

Cover Page

Order ID : Q1478

Project ID : Former Schlumberger STC PTC Site # D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q1478-01
Q1478-02
Q1478-03
Q1478-04
Q1478-05
Q1478-06
Q1478-07
Q1478-08
Q1478-13
Q1478-14
Q1478-15
Q1478-16

Client Sample Number

IDW-AQ-MW-19B-COMP-022825
IDW-AQ-DRUM-610-022825
IDW-AQ-IW-01-COMP-022825
IDW-AQ-DRUM-616-022825
IDW-AQ-IW-02-COMP-022825
IDW-AQ-DRUM-614-022825
IDW-AQ-IW-03-COMP-022825
IDW-AQ-DRUM-612-022825
IDW-SO-COMP-022825
IDW-SO-COMP-022825
IDW-SO-DRUM-582-022825
IDW-SO-DRUM-582-022825

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: 3/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site # D3868221

Project # N/A

Chemtech Project # Q1478

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 02/28/2025.

8 Water samples were received on 02/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Flash Point, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, pH, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PB166968TB [2,4,6-Tribromophenol - 124%], PB167016BL [2,4,6-Tribromophenol - 121%], PB167016BS [2,4,6-Tribromophenol - 111%], IDW-SO-COMP-022825 [2,4,6-Tribromophenol - 132%], IDW-SO-COMP-022825MSD [2,4 and 6-Tribromophenol - 136%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while IDW-SO-COMP-022825MS [2,4,6-Tribromophenol - 138%], this compound did not meet the NJDKQP criteria and in-house criteria but as per method two surrogates are allowed to failed, therefore no corrective action was taken.

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 {Q1478-13MSD} with File ID: BF141888.D recoveries met the acceptable requirements except for 1,4-Dichlorobenzene[68%], this compound did not meet the NJDKQP criteria but met the in-house criteria.



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The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF022725.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

The Continuous Calibration File ID BF141882.D met the requirements except for 2,4-Dinitrotoluene, Pentachlorophenol, 2,4,6-Tribromophenol and Nitrobenzene-d5, The associate samples have no positive hit for these compounds therefore no corrective action was taken. .

The Tuning criteria met requirements.

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: Q1478

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 % RSD is greater than 20% in the Initial Calibration (8270-BF022725.M) for 2,4- Dinitrotoluene, this compound is passing on Linear Regression. The Continuous Calibration File ID BF141882.D met the requirements except for 2,4- Dinitrotoluene, Pentachlorophenol, 2,4,6-Tribromophenol and Nitrobenzene-d5, The associate samples have no positive hit for these compounds 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. The Surrogate recoveries met the acceptable criteria except for PB166968TB [2,4,6- Tribromophenol - 124%], PB167016BL [2,4,6-Tribromophenol - 121%], PB167016BS [2,4,6-Tribromophenol - 111%], IDW-SO-COMP-022825 [2,4,6-Tribromophenol - 132%], IDW-SO-COMP-022825MSD [2,4 and 6-Tribromophenol - 136%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while IDW- SO-COMP-022825MS [2,4,6-Tribromophenol - 138%], this compound did not meet the NJDQKP criteria and in-house criteria but as per method two surrogates are allowed to failed, therefore no corrective action was taken.		✓	

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

		NA	NO	YES
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 MSD {Q1478-13MSD} with File ID: BF141888.D recoveries met the acceptable requirements except for 1,4-Dichlorobenzene[68%], this compound did not meet the NJDKQP criteria but met the in-house criteria. The Blank Spike met requirements for all samples .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
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 #: Q1478

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: 03/11/2025

LAB CHRONICLE

OrderID:	Q1478	OrderDate:	3/3/2025 10:28:22 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site # D3868221
Contact:	John Ynfante	Location:	H31,H41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1478-01	IDW-AQ-MW-19B-CO MP-022825	Water			02/28/25			02/28/25
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-03	IDW-AQ-IW-01-COMP -022825	Water			02/28/25			02/28/25
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-05	IDW-AQ-IW-02-COMP -022825	Water			02/28/25			02/28/25
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-07	IDW-AQ-IW-03-COMP -022825	Water			02/28/25			02/28/25
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1478-13	IDW-SO-COMP-02282 5	TCLP			02/28/25			02/28/25
			TCLP BNA	8270E		03/05/25	03/07/25	



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Hit Summary Sheet SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166968TB	PB166968TB	2-Fluorophenol	150	125	83		15 (10)	110 (139)
		Phenol-d6	150	119	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	89.6	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	185	124	*	15 (44)	110 (137)
PB167016BL	PB167016BL	Terphenyl-d14	100	82.8	83		30 (48)	130 (125)
		2-Fluorophenol	150	129	86		15 (10)	110 (139)
		Phenol-d6	150	122	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	107	107		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.1	94		30 (52)	130 (132)
PB167016BS	PB167016BS	2,4,6-Tribromophenol	150	182	121	*	15 (44)	110 (137)
		Terphenyl-d14	100	84.2	84		30 (48)	130 (125)
		2-Fluorophenol	150	117	78		15 (10)	110 (139)
		Phenol-d6	150	111	74		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.5	97		30 (49)	130 (133)
Q1478-13	IDW-SO-COMP-022825	2-Fluorobiphenyl	100	85.6	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	166	111	*	15 (44)	110 (137)
		Terphenyl-d14	100	88.5	88		30 (48)	130 (125)
		2-Fluorophenol	150	143	95		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
Q1478-13MS	IDW-SO-COMP-022825MS	Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.5	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	197	132	*	15 (44)	110 (137)
		Terphenyl-d14	100	82.1	82		30 (48)	130 (125)
		2-Fluorophenol	150	141	94		15 (10)	110 (139)
Q1478-13MSD	IDW-SO-COMP-022825MSD	Phenol-d6	150	132	88		15 (10)	110 (134)
		Nitrobenzene-d5	100	117	117		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	207	138	*	15 (44)	110 (137)
		Terphenyl-d14	100	87.8	88		30 (48)	130 (125)
		2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	127	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	114	114		30 (49)	130 (133)
		2-Fluorobiphenyl	100	104	104		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	205	136	*	15 (44)	110 (137)
		Terphenyl-d14	100	89.6	90		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1478-13MS		Client Sample ID: IDW-SO-COMP-022825MS		DataFile: BF141887.D							
Pyridine	500	0	250	ug/L	50				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	350	ug/L	70				70 (55)	130 (125)	
2-Methylphenol	500	0	440	ug/L	88				70 (60)	130 (131)	
3+4-Methylphenols	500	0	460	ug/L	92				20 (54)	160 (136)	
Hexachloroethane	500	0	340	ug/L	68				20 (19)	160 (146)	
Nitrobenzene	500	0	460	ug/L	92				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	410	ug/L	82				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	490	ug/L	98				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	530	ug/L	106				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	620	ug/L	124				70 (74)	130 (137)	
Hexachlorobenzene	500	0	500	ug/L	100				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1100	ug/L	110				20 (52)	160 (162)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1478-13MSD		Client Sample ID: IDW-SO-COMP-022825MSD		DataFile: BF141888.D							
Pyridine	500	0	230	ug/L	46	8			20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	340	ug/L	68	*	3		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	430	ug/L	86		2		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	450	ug/L	90		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	330	ug/L	66		3		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	450	ug/L	90		2		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	390	ug/L	78		5		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	510	ug/L	102		4		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	540	ug/L	108		2		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	600	ug/L	120		3		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	480	ug/L	96		4		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1000	ug/L	100		10		20 (52)	160 (162)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF141884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB167016BS	Pyridine	50	32.7	ug/L	65				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	39.2	ug/L	78				70 (76)	130 (103)	
	2-Methylphenol	50	38.5	ug/L	77				70 (69)	130 (109)	
	3+4-Methylphenols	50	39.2	ug/L	78				20 (67)	160 (106)	
	Hexachloroethane	50	38.9	ug/L	78				20 (76)	160 (118)	
	Nitrobenzene	50	42.0	ug/L	84				70 (58)	130 (106)	
	Hexachlorobutadiene	50	41.5	ug/L	83				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	41.6	ug/L	83				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	43.8	ug/L	88				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	51.9	ug/L	104				70 (60)	130 (115)	
	Hexachlorobenzene	50	43.6	ug/L	87				70 (73)	130 (106)	
	Pentachlorophenol	100	91.7	ug/L	92				20 (47)	160 (114)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167016BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q1478

SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: BF141883.D

Lab Sample ID: PB167016BL

Instrument ID: BNA_F

Date Extracted: 03/05/2025

Matrix: (soil/water) water

Date Analyzed: 03/07/2025

Level: (low/med) LOW

Time Analyzed: 09:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167016BS	PB167016BS	BF141884.D	03/07/2025
IDW-SO-COMP-022825	Q1478-13	BF141886.D	03/07/2025
IDW-SO-COMP-022825MS	Q1478-13MS	BF141887.D	03/07/2025
IDW-SO-COMP-022825MSD	Q1478-13MSD	BF141888.D	03/07/2025
PB166968TB	PB166968TB	BF141885.D	03/07/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q1478 SDG NO.: Q1478Lab File ID: BF141792.DDFTPP Injection Date: 02/27/2025Instrument ID: BNA_FDFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q1478 SDG NO.: Q1478Lab File ID: BF141881.DDFTPP Injection Date: 03/07/2025Instrument ID: BNA_FDFTPP Injection Time: 08:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33.4
70	Less than 2.0% of mass 69	0.2 (0.8) 1
127	10.0 - 80.0% of mass 198	46.6
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	29.9
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141882.D	03/07/2025	08:56
PB167016BL	PB167016BL	BF141883.D	03/07/2025	09:26
PB167016BS	PB167016BS	BF141884.D	03/07/2025	09:55
PB166968TB	PB166968TB	BF141885.D	03/07/2025	10:24
IDW-SO-COMP-022825	Q1478-13	BF141886.D	03/07/2025	11:00
IDW-SO-COMP-022825MS	Q1478-13MS	BF141887.D	03/07/2025	11:29
IDW-SO-COMP-022825MSD	Q1478-13MSD	BF141888.D	03/07/2025	11:59

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	205331	6.887	782990	8.17	424782	9.92
UPPER LIMIT	410662	7.387	1565980	8.669	849564	10.422
LOWER LIMIT	102666	6.387	391495	7.669	212391	9.422
EPA SAMPLE NO.						
01 PB167016BL	178277	6.88	706438	8.16	393220	9.92
02 PB167016BS	179491	6.89	716894	8.16	419936	9.92
03 PB166968TB	182324	6.88	717993	8.16	414320	9.92
04 IDW-SO-COMP-022825	139514	6.89	591635	8.16	324386	9.92
05 IDW-SO-COMP-022825MS	144619	6.89	567805	8.16	313240	9.92
06 IDW-SO-COMP-022825MSD	145924	6.89	573463	8.16	303593	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	725251	11.404	490278	14.045	391726	15.516
UPPER LIMIT	1450500	11.904	980556	14.545	783452	16.016
LOWER LIMIT	362626	10.904	245139	13.545	195863	15.016
EPA SAMPLE NO.						
01 PB167016BL	712186	11.40	610478	14.04	476523	15.51
02 PB167016BS	730268	11.40	514866	14.05	393279	15.52
03 PB166968TB	782696	11.40	660246	14.04	509683	15.51
04 IDW-SO-COMP-022825	557994	11.40	543144	14.04	421768	15.51
05 IDW-SO-COMP-022825MS	556123	11.40	435055	14.05	343670	15.51
06 IDW-SO-COMP-022825MSD	568957	11.40	412687	14.04	369642	15.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	03/05/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	03/05/25
Client Sample ID:	PB166968TB	SDG No.:	Q1478
Lab Sample ID:	PB166968TB	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
BF141885.D	1	03/05/25 13:00	03/07/25 10:24	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (10) - 110 (139)	83%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.6		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	185	*	15 (44) - 110 (137)	124%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	182000	6.881			
1146-65-2	Naphthalene-d8	718000	8.163			
15067-26-2	Acenaphthene-d10	414000	9.916			
1517-22-2	Phenanthrene-d10	783000	11.404			
1719-03-5	Chrysene-d12	660000	14.039			
1520-96-3	Perylene-d12	510000	15.509			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	03/05/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	03/05/25
Client Sample ID:	PB166968TB	SDG No.:	Q1478
Lab Sample ID:	PB166968TB	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
BF141885.D	1	03/05/25 13:00	03/07/25 10:24	PB167016

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\BF030725\
Data File : BF141885.D
Acq On : 07 Mar 2025 10:24
Operator : RC/JU
Sample : PB166968TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Quant Time: Mar 07 11:17:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	182324	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	717993	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	414320	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	782696	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	660246	20.000	ng	-0.01
86) Perylene-d12	15.509	264	509683	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1425570	124.867	ng	0.01
7) Phenol-d6	6.504	99	1763763	118.693	ng	0.00
23) Nitrobenzene-d5	7.445	82	1168595	104.035	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	721480	185.484	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2314579	89.576	ng	0.00
79) Terphenyl-d14	12.992	244	3380701	82.843	ng	0.00

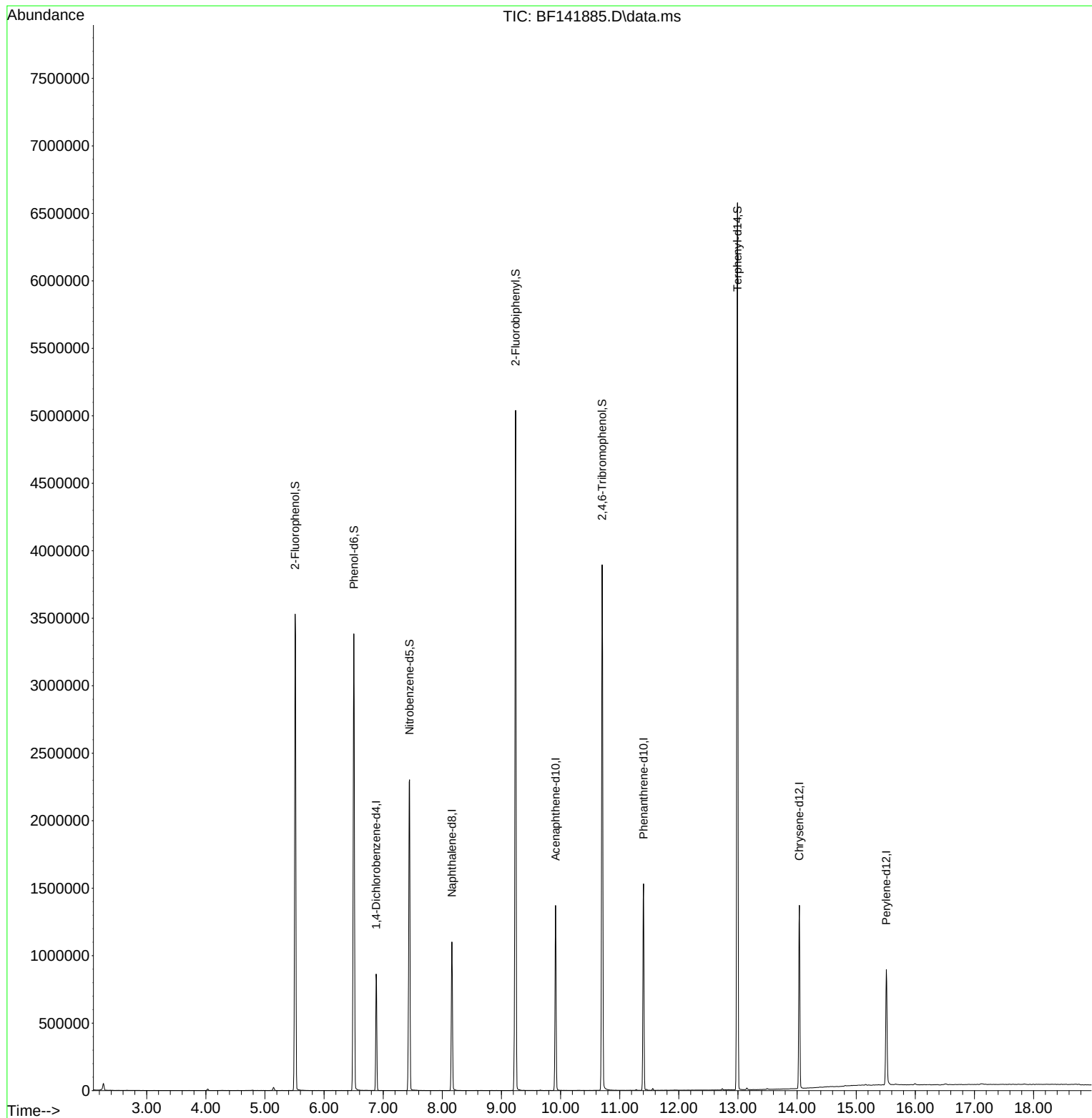
Target Compounds	Qvalue

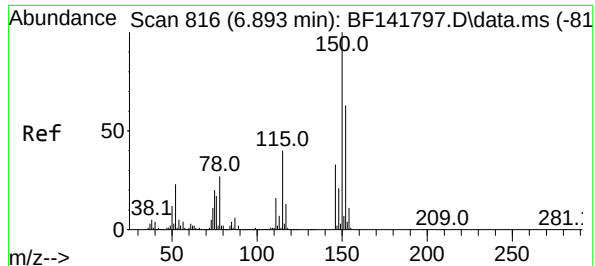
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141885.D
Acq On : 07 Mar 2025 10:24
Operator : RC/JU
Sample : PB166968TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166968TB

Quant Time: Mar 07 11:17:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

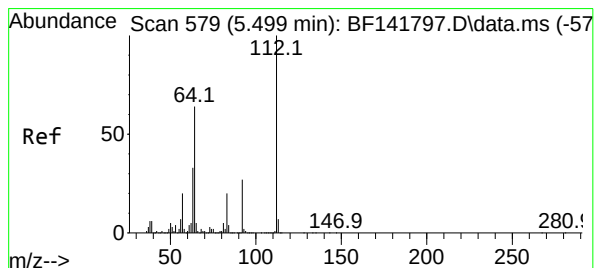
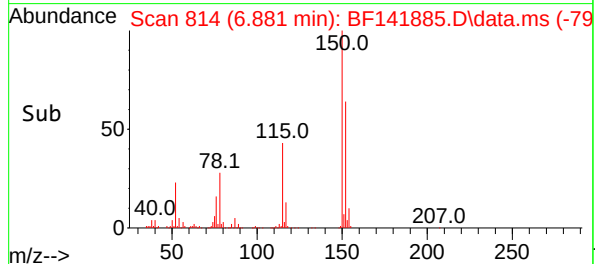
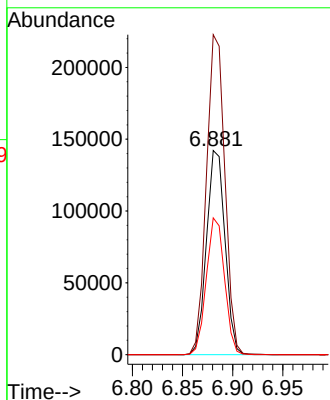
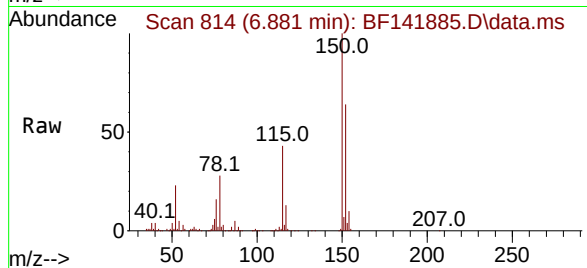




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 816
 Delta R.T. -0.012 min
 Lab File: BF141885.D
 Acq: 07 Mar 2025 10:24

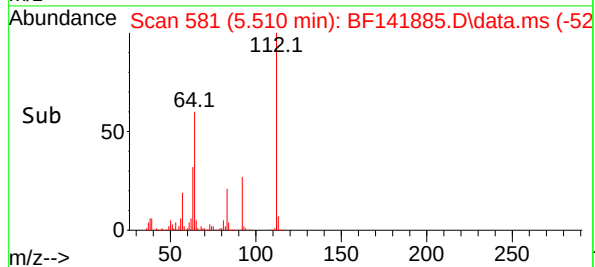
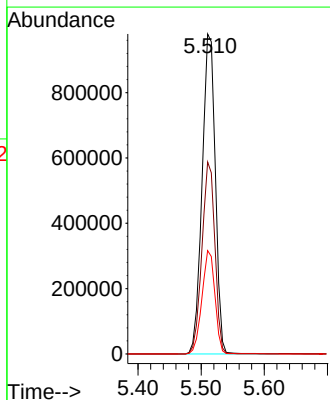
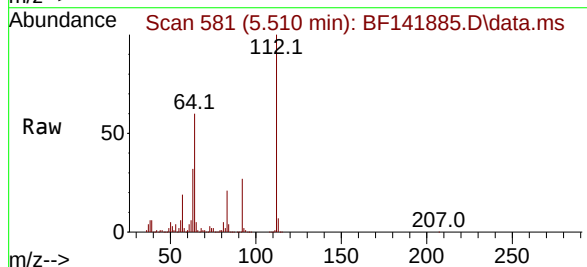
Instrument :
 BNA_F
 ClientSampleId :
 PB166968TB

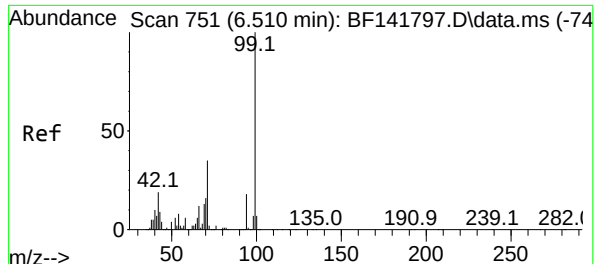
Tgt Ion:152 Resp: 182324
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.5 191.3
 115 67.0 51.4 77.2



#5
 2-Fluorophenol
 Concen: 124.867 ng
 RT: 5.510 min Scan# 581
 Delta R.T. 0.012 min
 Lab File: BF141885.D
 Acq: 07 Mar 2025 10:24

Tgt Ion:112 Resp: 1425570
 Ion Ratio Lower Upper
 112 100
 64 60.0 51.3 76.9
 63 32.3 26.2 39.4

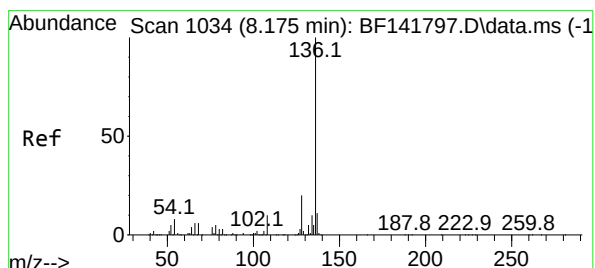
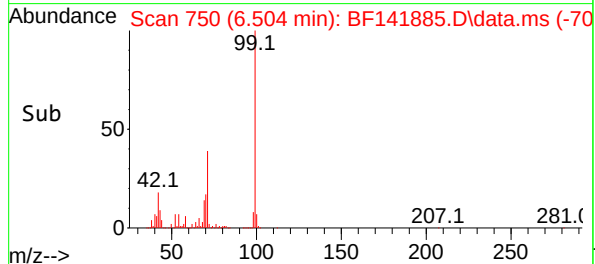
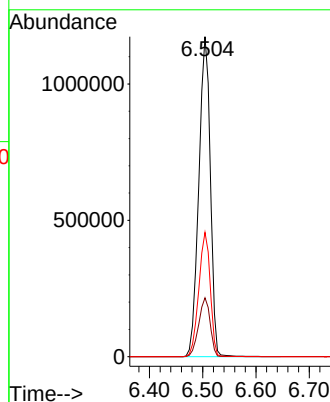
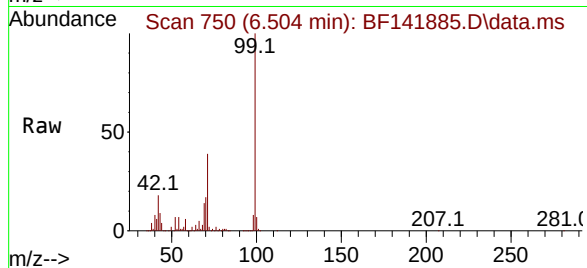




#7
Phenol-d6
Concen: 118.693 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

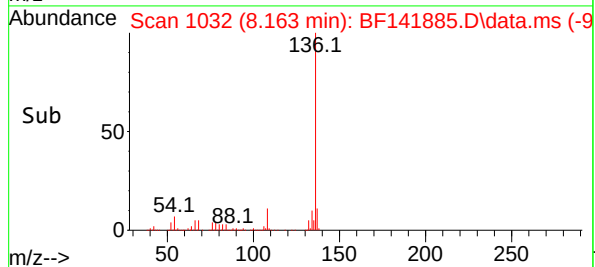
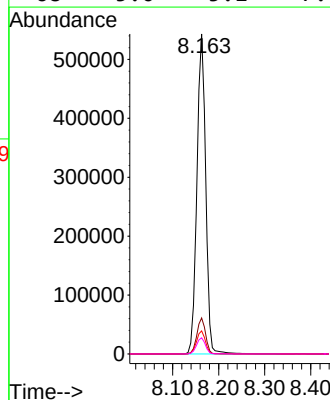
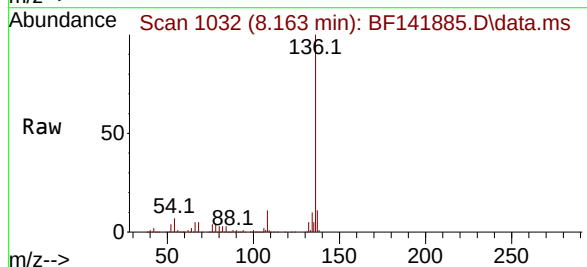
Instrument :
BNA_F
ClientSampleId :
PB166968TB

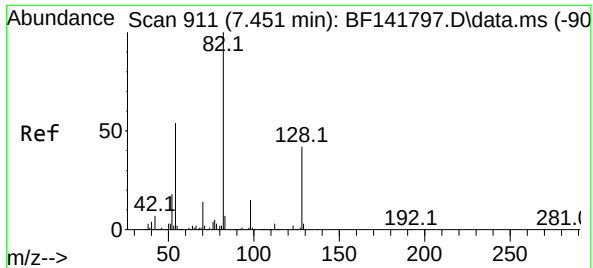
Tgt Ion: 99 Resp: 1763763
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 38.8 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion: 136 Resp: 717993
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.2 6.9 10.3
68 5.0 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 104.035 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141885.D

Acq: 07 Mar 2025 10:24

Instrument :

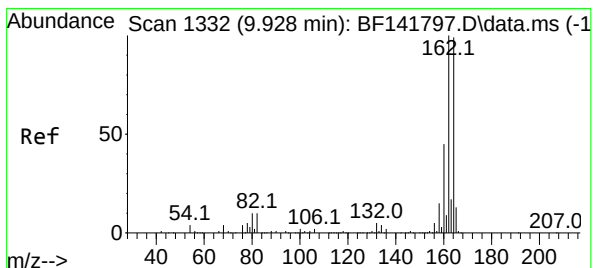
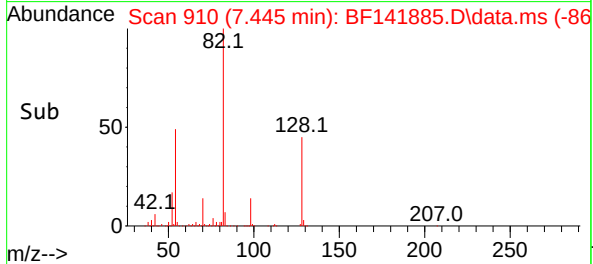
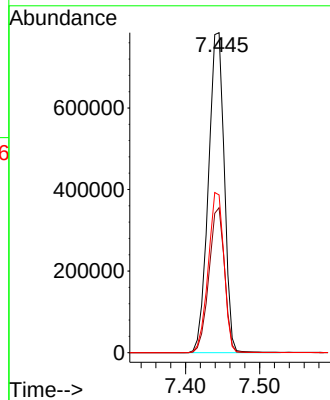
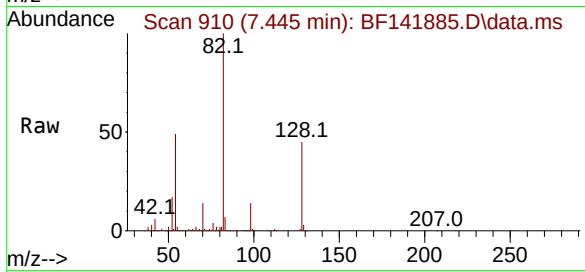
BNA_F

ClientSampleId :

PB166968TB

Tgt Ion: 82 Resp: 1168595

Ion	Ratio	Lower	Upper
82	100		
128	45.3	33.5	50.3
54	49.3	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

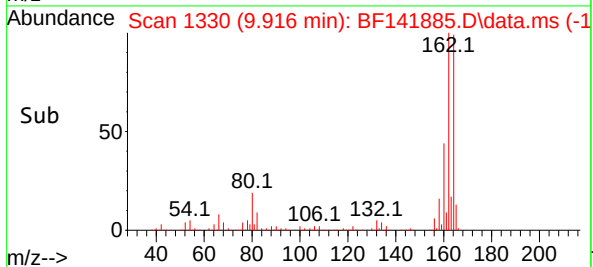
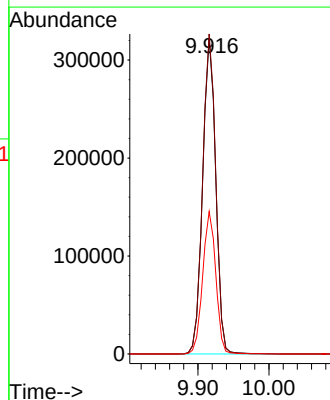
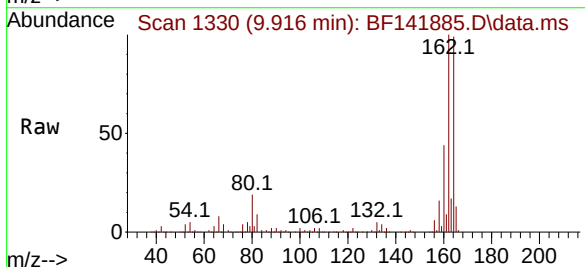
Delta R.T. -0.012 min

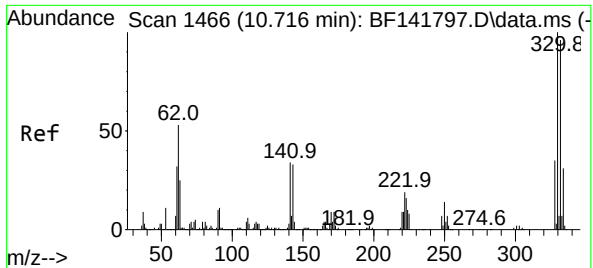
Lab File: BF141885.D

Acq: 07 Mar 2025 10:24

Tgt Ion: 164 Resp: 414320

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	45.1	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 185.484 ng

RT: 10.704 min Scan# 1466

Delta R.T. -0.012 min

Lab File: BF141885.D

Acq: 07 Mar 2025 10:24

Instrument :

BNA_F

ClientSampleId :

PB166968TB

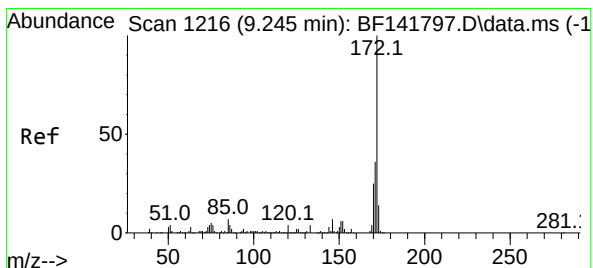
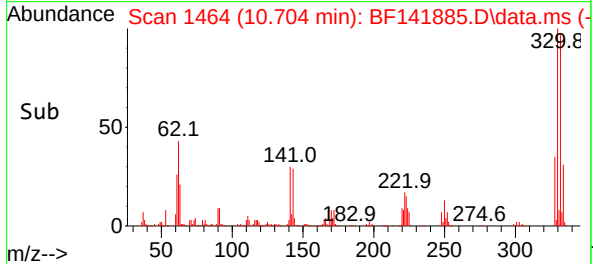
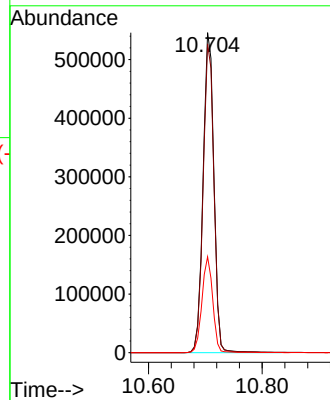
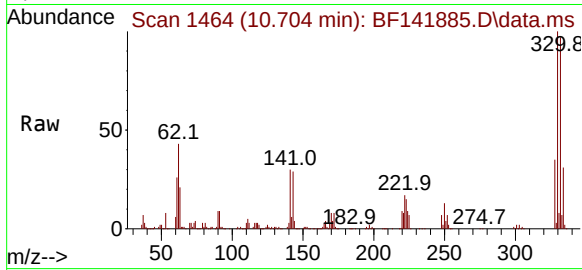
Tgt Ion:330 Resp: 721480

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

141 30.1 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 89.576 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141885.D

Acq: 07 Mar 2025 10:24

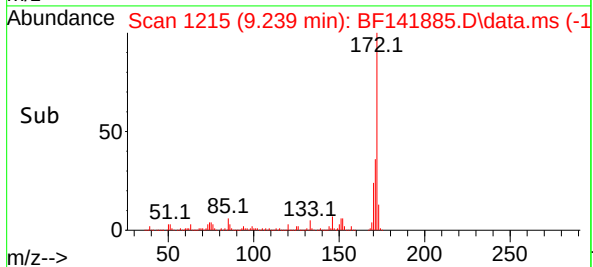
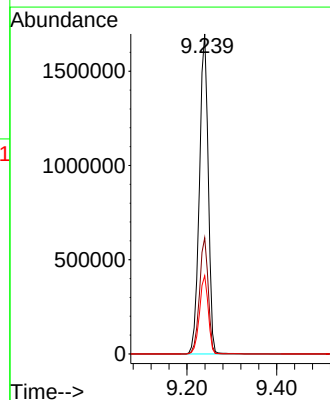
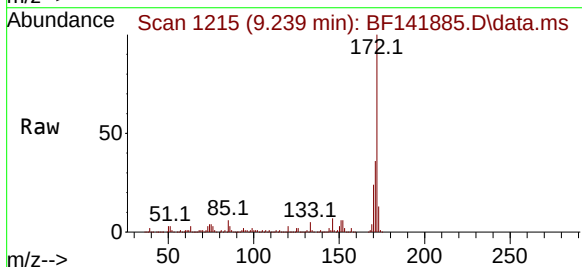
Tgt Ion:172 Resp: 2314579

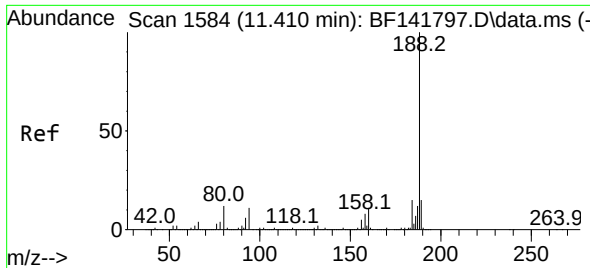
Ion Ratio Lower Upper

172 100

171 36.3 29.2 43.8

170 24.4 19.7 29.5

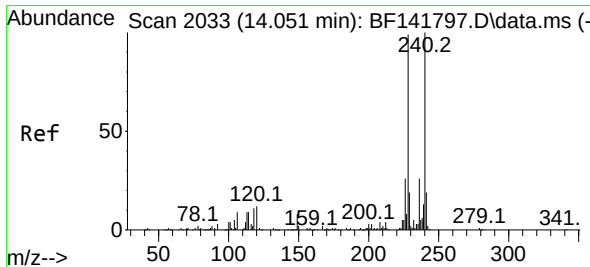
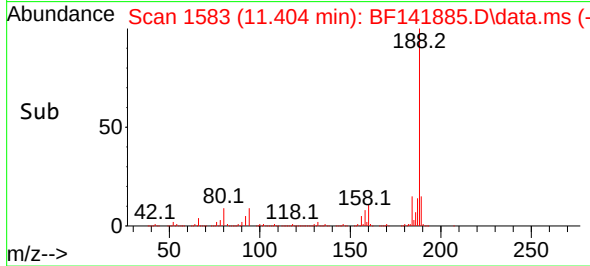
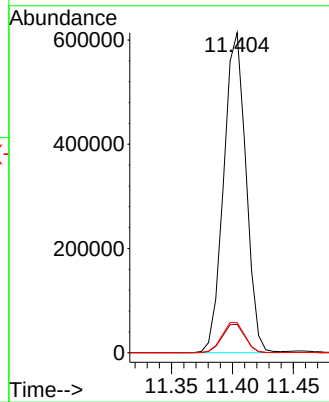
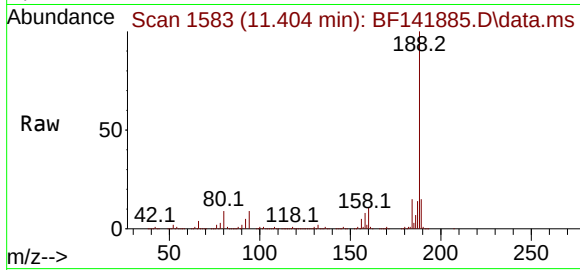




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

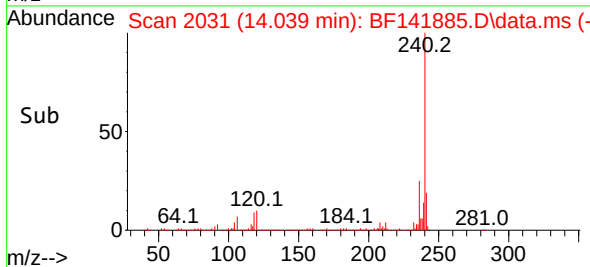
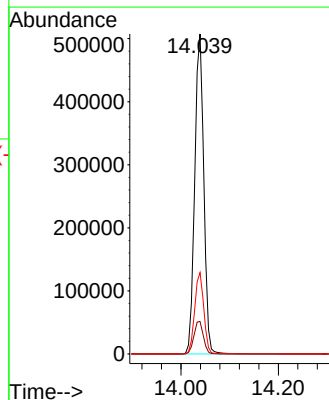
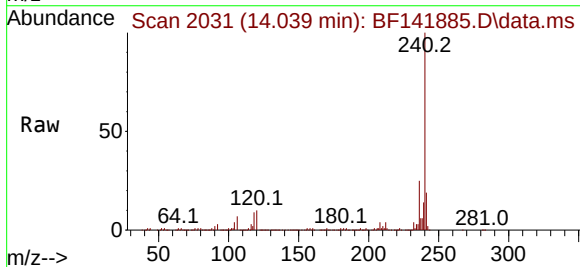
Instrument :
BNA_F
ClientSampleId :
PB166968TB

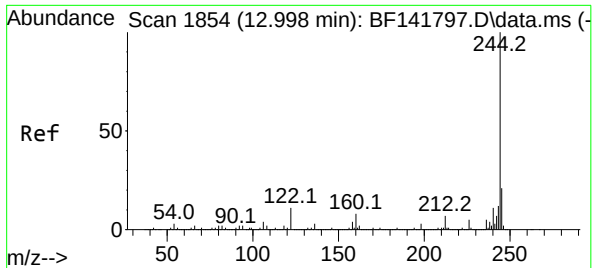
Tgt Ion:188 Resp: 782696
Ion Ratio Lower Upper
188 100
94 8.8 8.9 13.3#
80 9.4 9.7 14.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141885.D
Acq: 07 Mar 2025 10:24

Tgt Ion:240 Resp: 660246
Ion Ratio Lower Upper
240 100
120 10.1 9.7 14.5
236 25.4 21.0 31.4





#79

Terphenyl-d14

Concen: 82.843 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141885.D

Acq: 07 Mar 2025 10:24

Instrument :

BNA_F

ClientSampleId :

PB166968TB

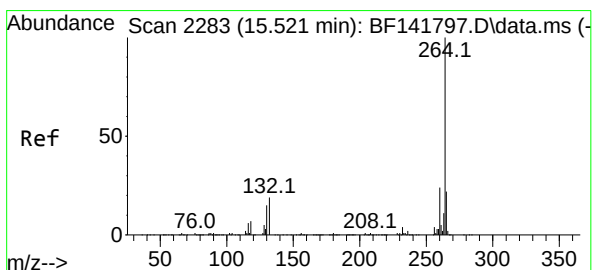
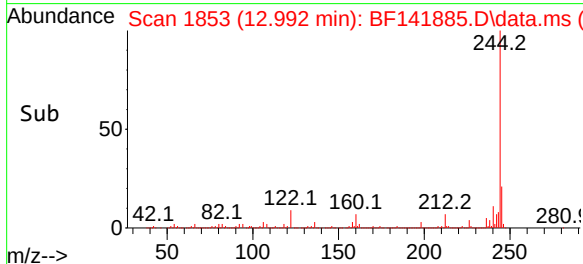
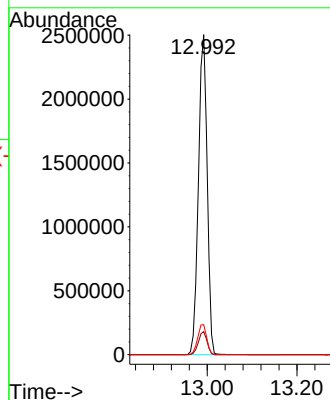
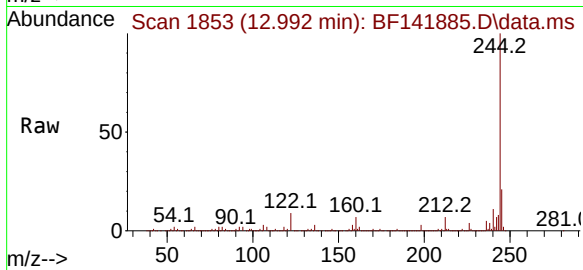
Tgt Ion:244 Resp: 3380701

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.4 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141885.D

Acq: 07 Mar 2025 10:24

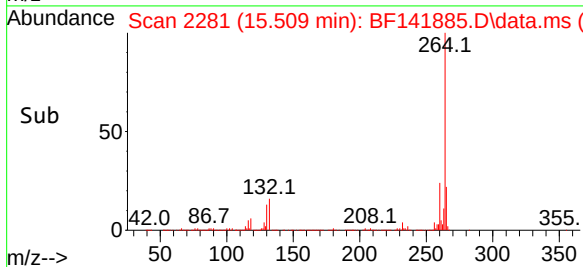
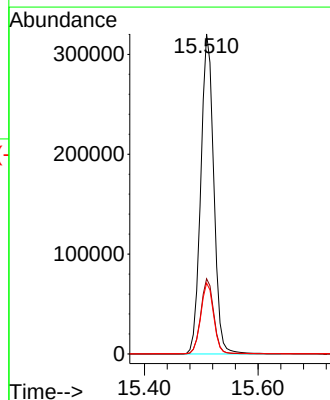
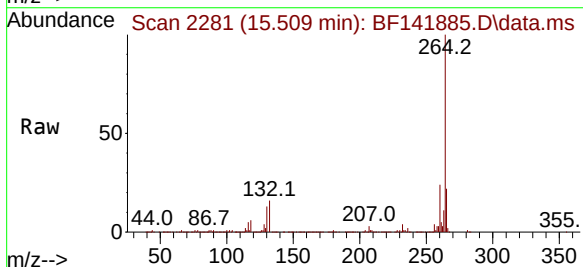
Tgt Ion:264 Resp: 509683

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.2 17.4 26.0



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-13	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
BF141886.D	1	03/05/25 13:00	03/07/25 11:00	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	197	*	15 (44) - 110 (137)	132%	SPK: 150
1718-51-0	Terphenyl-d14	82.1		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000	6.886			
1146-65-2	Naphthalene-d8	592000	8.163			
15067-26-2	Acenaphthene-d10	324000	9.916			
1517-22-2	Phenanthrene-d10	558000	11.404			
1719-03-5	Chrysene-d12	543000	14.039			
1520-96-3	Perylene-d12	422000	15.509			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-13	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
BF141886.D	1	03/05/25 13:00	03/07/25 11:00	PB167016

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\BF030725\
Data File : BF141886.D
Acq On : 07 Mar 2025 11:00
Operator : RC/JU
Sample : Q1478-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Quant Time: Mar 07 11:17:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	139514	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	591635	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	324386	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	557994	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	543144	20.000	ng	-0.01
86) Perylene-d12	15.509	264	421768	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1247685	142.820	ng	0.01
7) Phenol-d6	6.504	99	1451371	127.641	ng	0.00
23) Nitrobenzene-d5	7.445	82	1022693	110.491	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	601225	197.421	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1951276	96.452	ng	0.00
79) Terphenyl-d14	12.992	244	2755910	82.093	ng	0.00

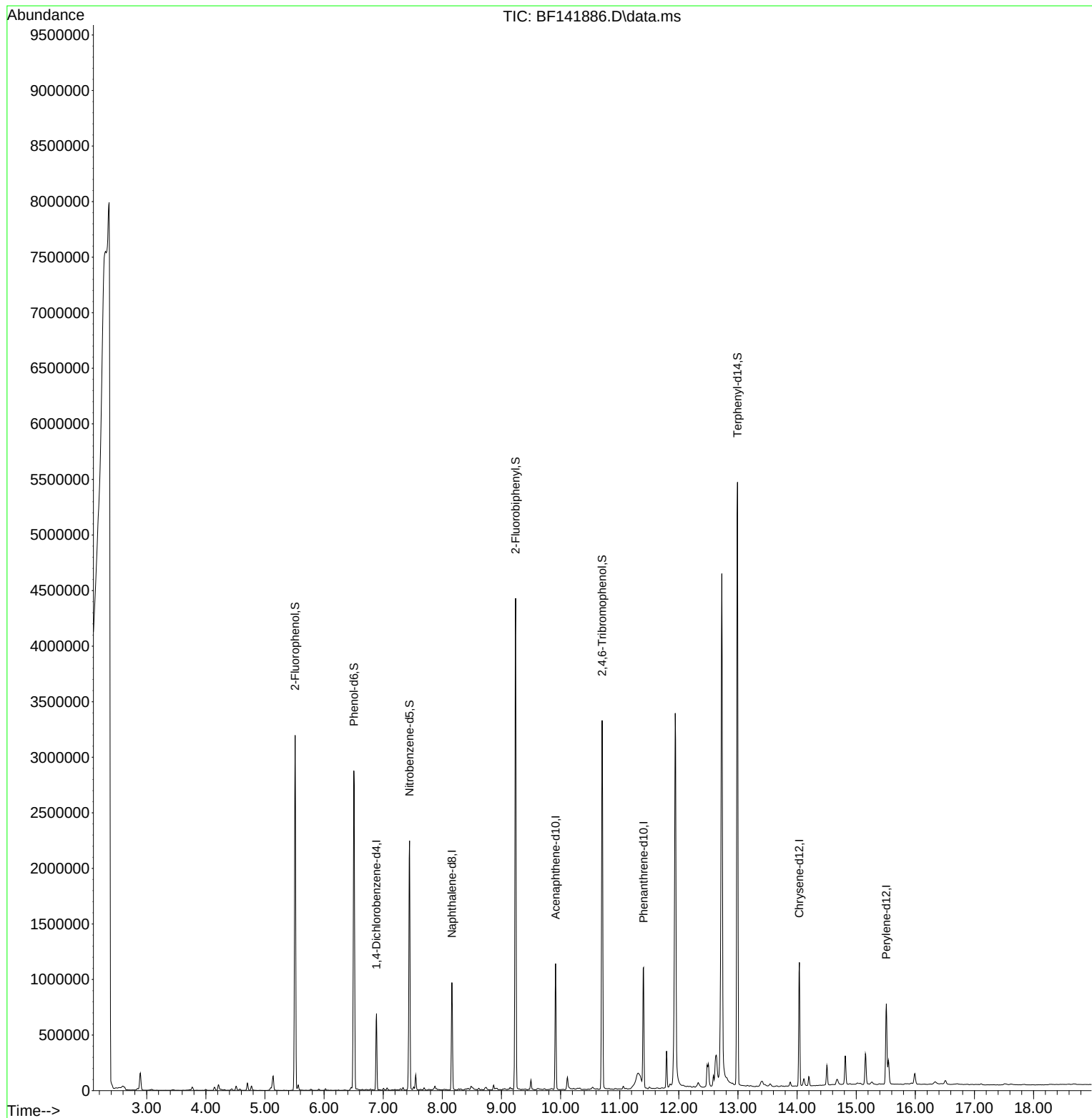
Target Compounds	Qvalue

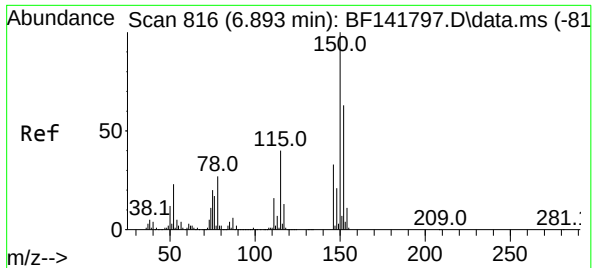
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141886.D
Acq On : 07 Mar 2025 11:00
Operator : RC/JU
Sample : Q1478-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

Quant Time: Mar 07 11:17:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

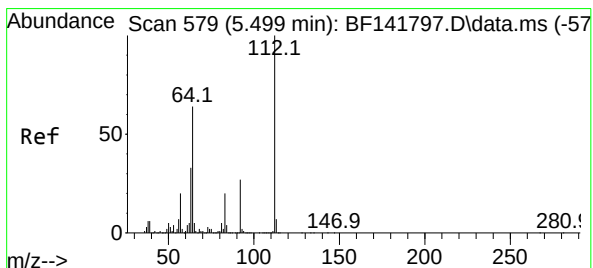
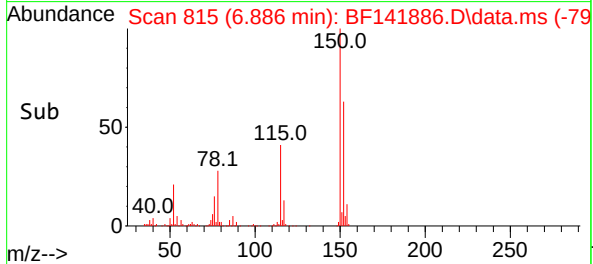
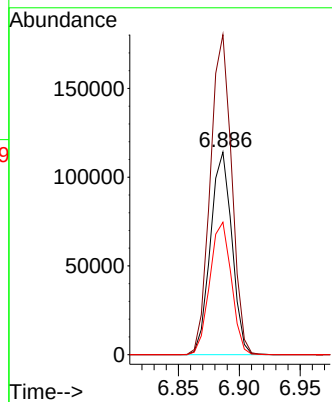
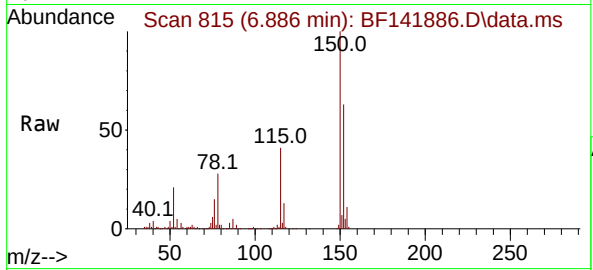




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

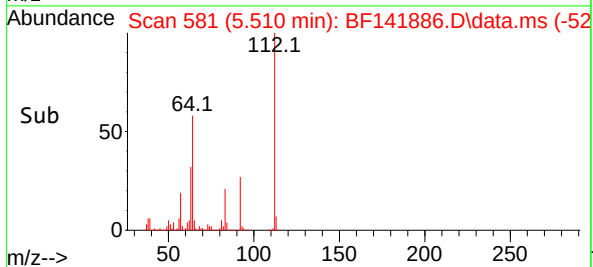
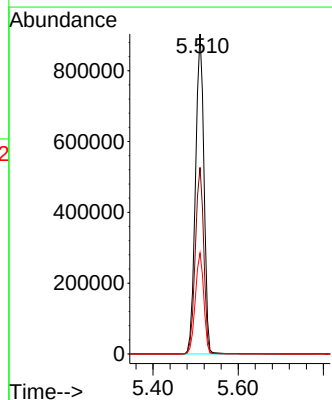
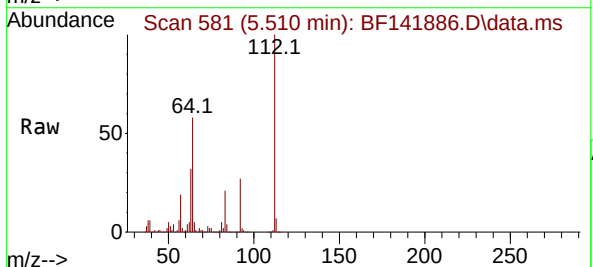
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

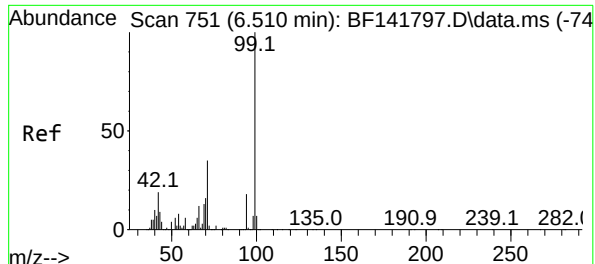
Tgt Ion:152 Resp: 139514
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 65.4 51.4 77.2



#5
2-Fluorophenol
Concen: 142.820 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion:112 Resp: 1247685
Ion Ratio Lower Upper
112 100
64 58.3 51.3 76.9
63 31.5 26.2 39.4

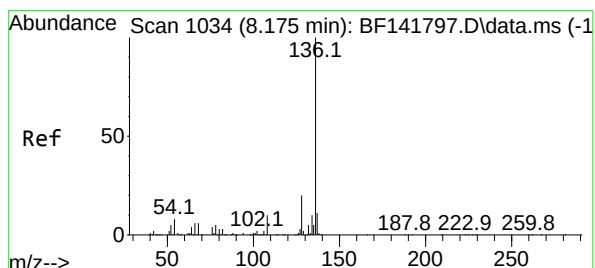
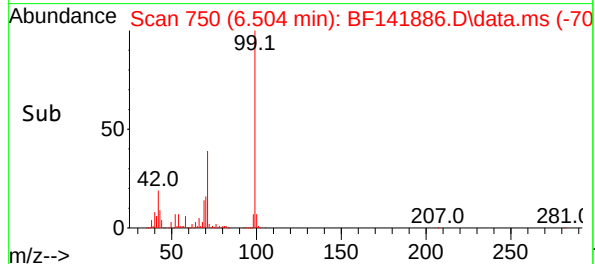
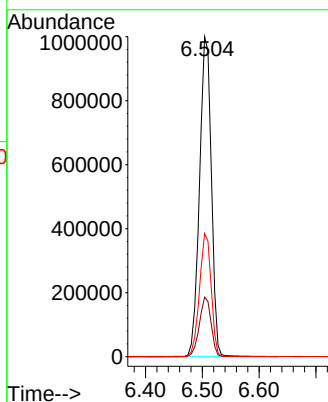
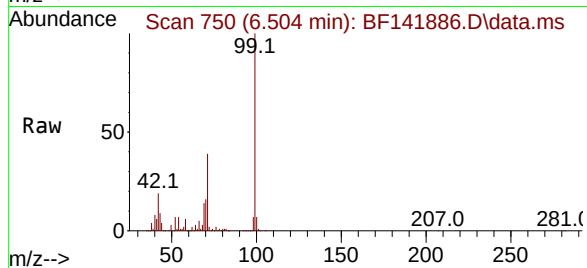




#7
Phenol-d6
Concen: 127.641 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

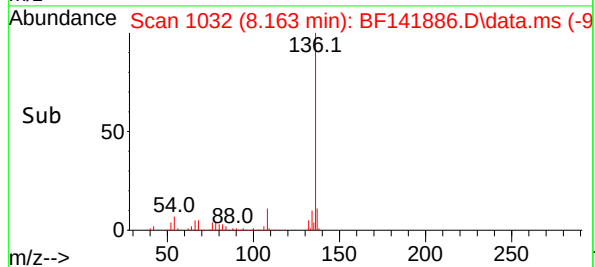
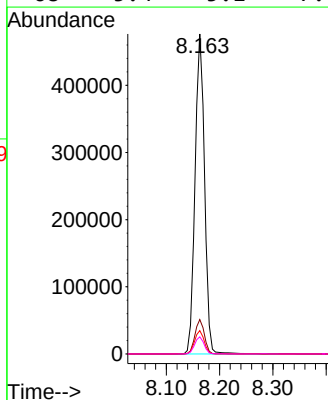
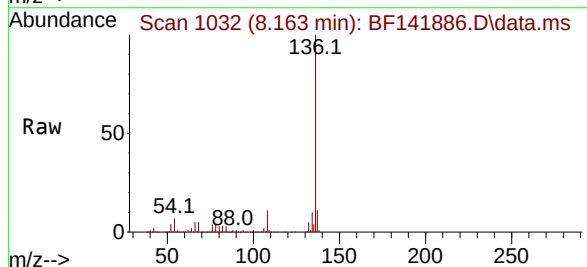
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825

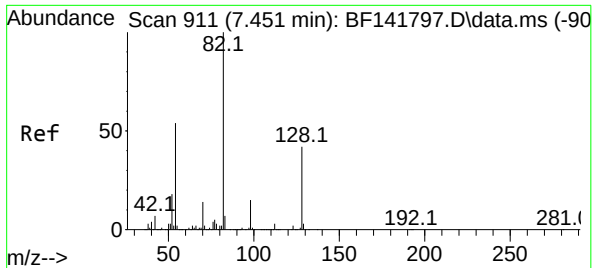
Tgt Ion: 99 Resp: 1451371
Ion Ratio Lower Upper
99 100
42 18.6 15.2 22.8
71 38.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141886.D
Acq: 07 Mar 2025 11:00

Tgt Ion: 136 Resp: 591635
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.3 6.9 10.3
68 5.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 110.491 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

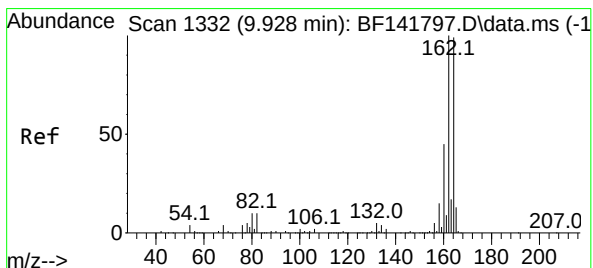
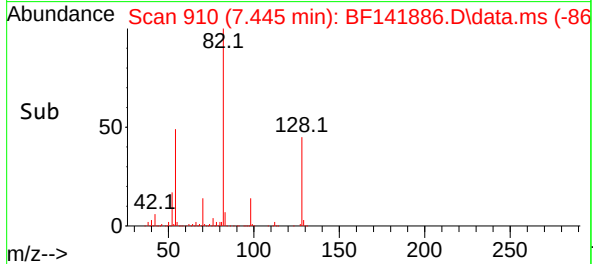
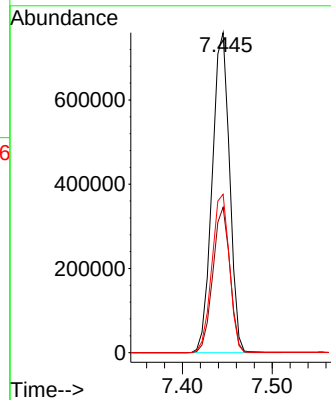
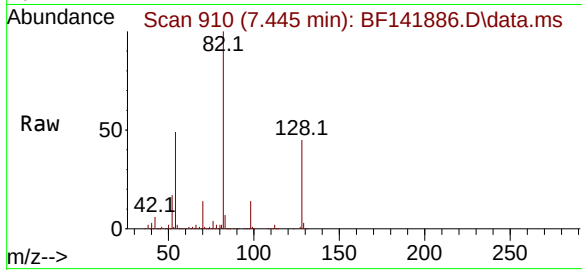
BNA_F

ClientSampleId :

IDW-SO-COMP-022825

Tgt Ion: 82 Resp: 1022693

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.5	50.3
54	49.5	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

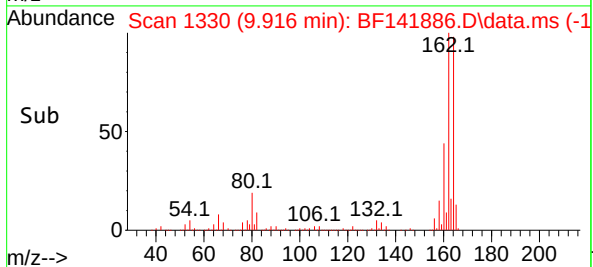
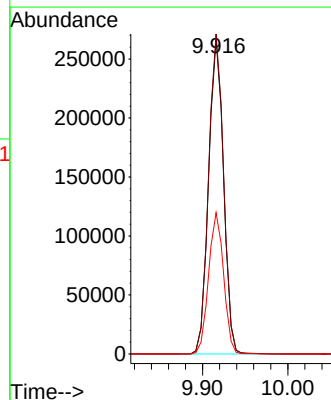
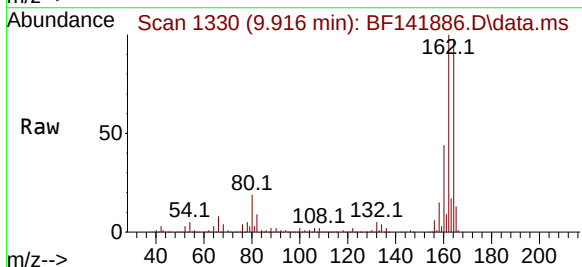
Delta R.T. -0.012 min

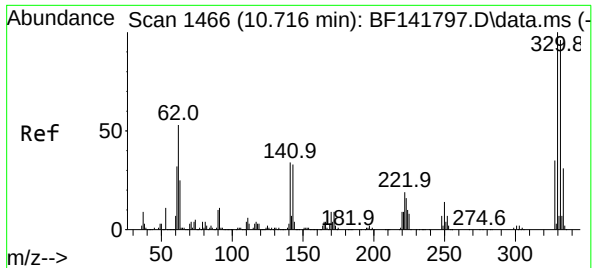
Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Tgt Ion: 164 Resp: 324386

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.0	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 197.421 ng

RT: 10.704 min Scan# 1466

Delta R.T. -0.012 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

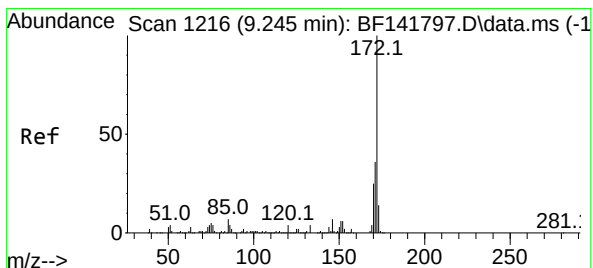
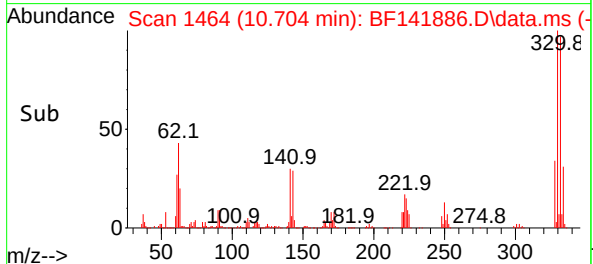
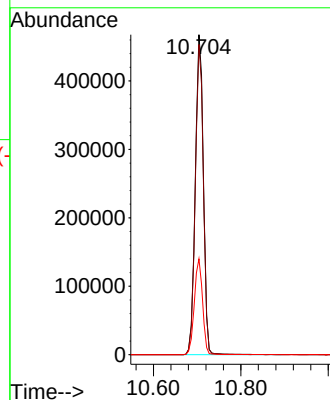
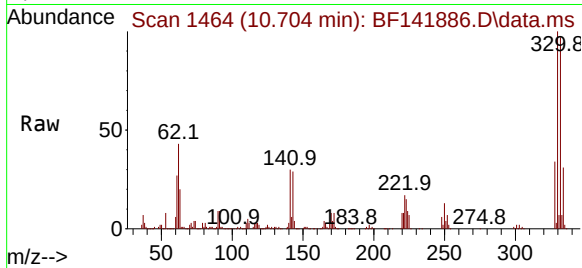
Tgt Ion:330 Resp: 601225

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

141 30.5 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 96.452 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

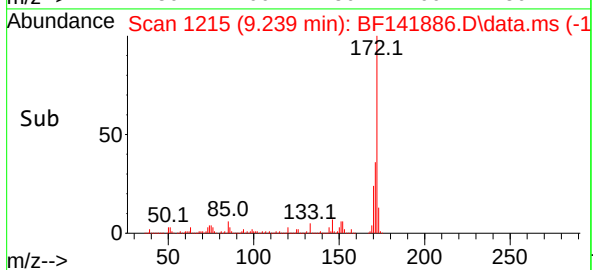
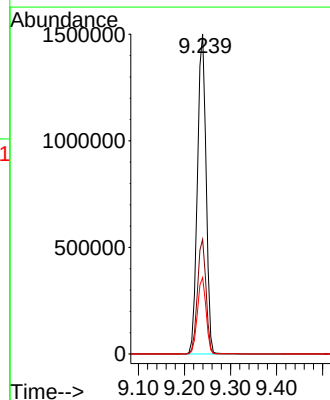
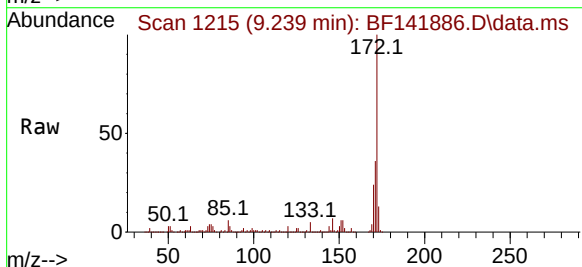
Tgt Ion:172 Resp: 1951276

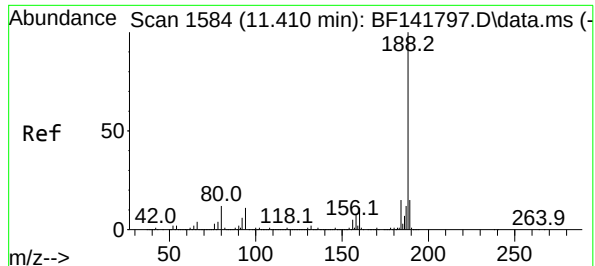
Ion Ratio Lower Upper

172 100

171 35.8 29.2 43.8

170 23.9 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

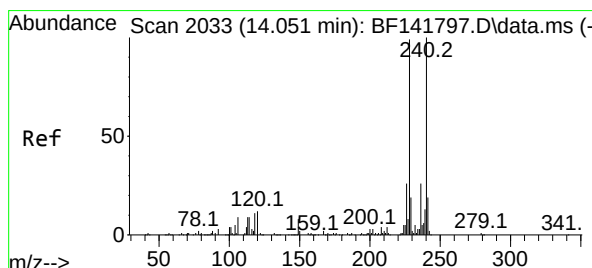
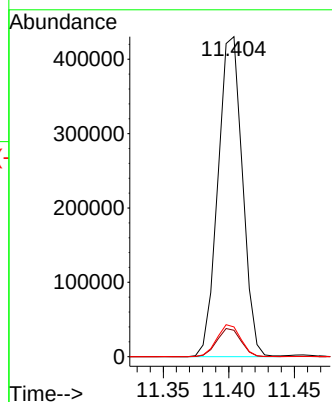
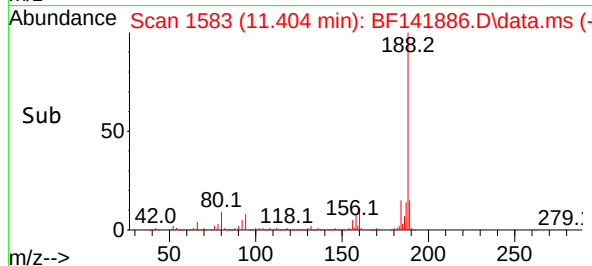
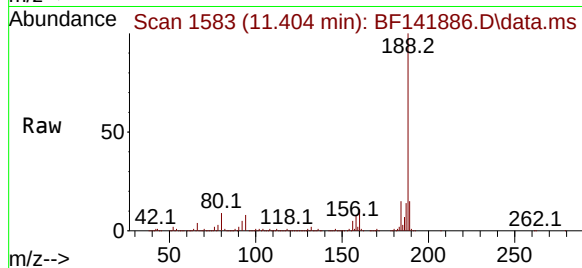
Tgt Ion:188 Resp: 557994

Ion Ratio Lower Upper

188 100

94 8.3 8.9 13.3#

80 9.3 9.7 14.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

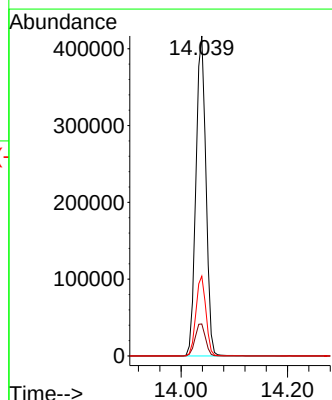
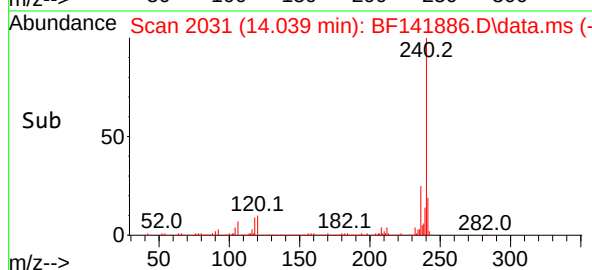
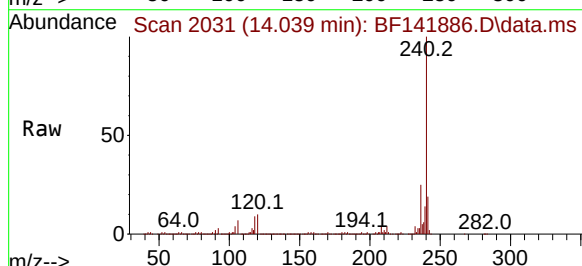
Tgt Ion:240 Resp: 543144

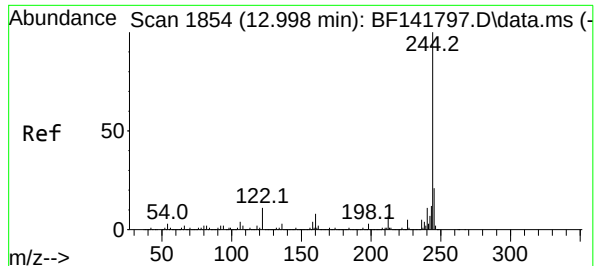
Ion Ratio Lower Upper

240 100

120 10.0 9.7 14.5

236 24.9 21.0 31.4





#79

Terphenyl-d14

Concen: 82.093 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825

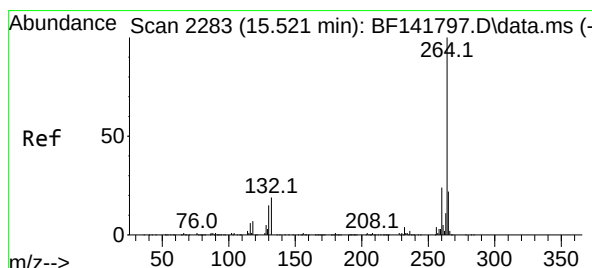
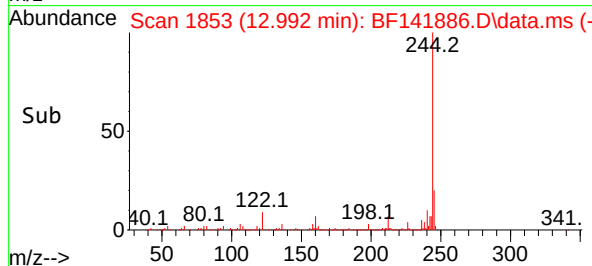
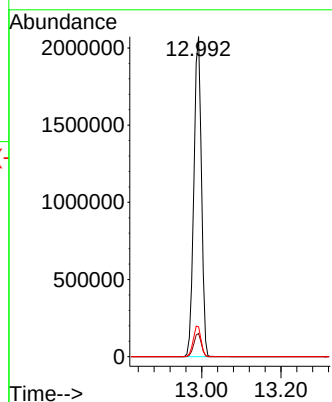
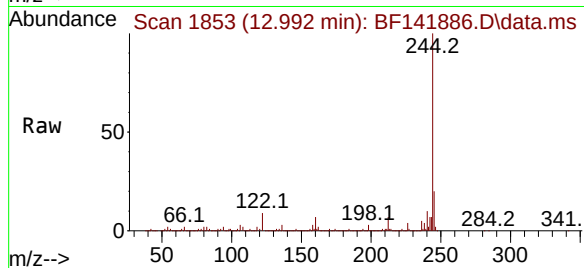
Tgt Ion:244 Resp: 2755910

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.4 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141886.D

Acq: 07 Mar 2025 11:00

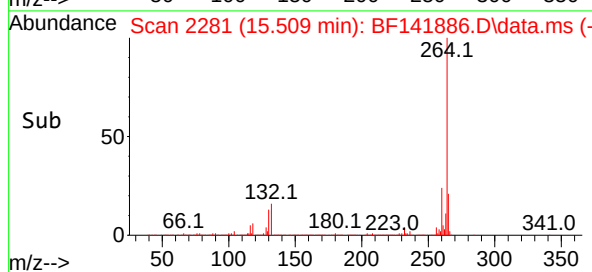
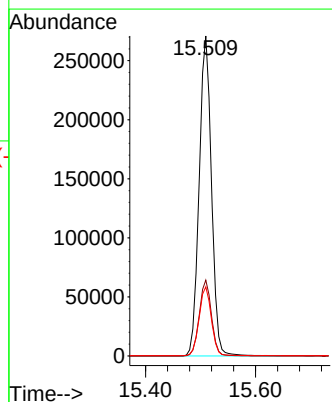
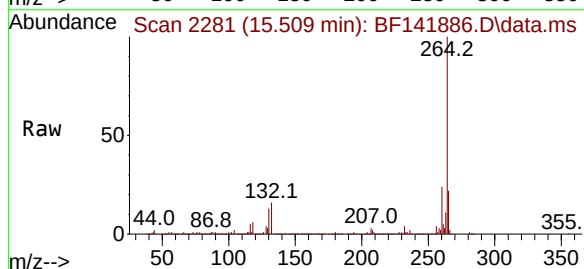
Tgt Ion:264 Resp: 421768

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.4 26.0





CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF022725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 28 01:48:16 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.613	0.554	0.576	0.596	0.545	0.554	0.541	0.568	4.81	
3)	Pyridine	1.403	1.412	1.486	1.476	1.380	1.389	1.350	1.414	3.54	
4)	n-Nitrosodimet...	0.634	0.666	0.689	0.730	0.674	0.686	0.683	0.680	4.21	
5) S	2-Fluorophenol	1.348	1.315	1.326	1.286	1.185	1.176	1.131	1.252	6.91	
6)	Aniline	1.746	1.727	1.805	1.809	1.642	1.625	1.509	1.695	6.42	
7) S	Phenol-d6	1.750	1.707	1.728	1.684	1.541	1.523	1.477	1.630	6.90	
8)	2-Chlorophenol	1.442	1.406	1.439	1.412	1.299	1.266	1.220	1.355	6.72	
9)	Benzaldehyde	1.151	1.088	1.024	0.982	0.874	0.824	0.694	0.948	16.84	
10) C	Phenol	1.854	1.823	1.866	1.819	1.641	1.625	1.564	1.742	7.26	
11)	bis(2-Chloroet...	1.377	1.376	1.392	1.339	1.279	1.265	1.265	1.328	4.26	
12)	1,3-Dichlorobe...	1.544	1.520	1.541	1.504	1.378	1.361	1.308	1.451	6.80	
13) C	1,4-Dichlorobe...	1.554	1.533	1.549	1.512	1.390	1.377	1.317	1.462	6.66	
14)	1,2-Dichlorobe...	1.493	1.444	1.476	1.401	1.286	1.270	1.186	1.365	8.63	
15)	Benzyl Alcohol	1.347	1.353	1.374	1.366	1.258	1.241	1.180	1.303	5.82	
16)	2,2'-oxybis(1-...	2.139	2.094	2.149	2.079	1.930	1.910	1.814	2.016	6.47	
17)	2-Methylphenol	1.155	1.132	1.165	1.164	1.079	1.084	1.049	1.118	4.22	
18)	Hexachloroethane	0.559	0.542	0.575	0.578	0.533	0.530	0.513	0.547	4.39	
19) P	n-Nitroso-di-n...	1.133	1.136	1.105	1.120	1.087	1.009	1.007	0.975	1.072	6.01
20)	3+4-Methylphenols	1.507	1.510	1.506	1.442	1.304	1.281	1.198	1.392	9.29	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.539	0.517	0.512	0.497	0.456	0.455	0.434	0.487	8.04	
23) S	Nitrobenzene-d5	0.248	0.271	0.318	0.341	0.332	0.340	0.339	0.313	12.10	
24)	Nitrobenzene	0.273	0.303	0.346	0.363	0.349	0.357	0.354	0.335	10.07	
25)	Isophorone	0.702	0.682	0.690	0.682	0.642	0.659	0.649	0.672	3.35	
26) C	2-Nitrophenol	0.079	0.090	0.116	0.144	0.145	0.155	0.158	0.127	25.21	
27)	2,4-Dimethylph...	0.258	0.250	0.256	0.254	0.238	0.238	0.236	0.247	3.87	
28)	bis(2-Chloroet...	0.463	0.448	0.450	0.435	0.404	0.408	0.394	0.429	6.19	
29) C	2,4-Dichloroph...	0.280	0.288	0.296	0.298	0.277	0.281	0.275	0.285	3.20	
30)	1,2,4-Trichlor...	0.328	0.321	0.327	0.319	0.298	0.301	0.292	0.312	4.71	
31)	Naphthalene	1.140	1.097	1.100	1.043	0.960	0.950	0.906	1.028	8.74	
32)	Benzoic acid		0.099	0.145	0.191	0.200	0.215	0.226	0.179	26.89	
33)	4-Chloroaniline	0.402	0.392	0.398	0.379	0.350	0.356	0.360	0.377	5.66	
34) C	Hexachlorobuta...	0.199	0.193	0.202	0.199	0.188	0.191	0.187	0.194	2.98	
35)	Caprolactam	0.087	0.086	0.090	0.091	0.085	0.089	0.086	0.088	2.77	
36) C	4-Chloro-3-met...	0.333	0.316	0.329	0.326	0.300	0.310	0.303	0.317	4.16	
37)	2-Methylnaphth...	0.762	0.725	0.723	0.677	0.621	0.619	0.591	0.674	9.66	
38)	1-Methylnaphth...	0.734	0.688	0.697	0.652	0.594	0.594	0.570	0.647	9.67	

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

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03	
41) P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87	
42) S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80	
43) C	2,4,6-Trichlor...	0.355	0.368	0.381	0.398	0.366	0.368	0.377	0.373	3.65	
44)	2,4,5-Trichlor...	0.348	0.364	0.388	0.383	0.364	0.380	0.360	0.369	3.89	
45) S	2-Fluorobiphenyl	1.443	1.387	1.346	1.237	1.128	1.141	1.049	1.247	11.93	
46)	1,1'-Biphenyl	1.694	1.659	1.630	1.519	1.413	1.419	1.323	1.522	9.38	
47)	2-Chloronaphth...	1.211	1.184	1.201	1.135	1.058	1.071	1.006	1.124	7.10	
48)	2-Nitroaniline	0.152	0.187	0.246	0.300	0.297	0.319	0.323	0.260	26.00	
49)	Acenaphthylene	1.847	1.809	1.798	1.711	1.560	1.596	1.472	1.685	8.54	
50)	Dimethylphthalate	1.431	1.405	1.405	1.363	1.262	1.285	1.224	1.339	6.09	
51)	2,6-Dinitrotol...	0.136	0.184	0.231	0.257	0.251	0.265	0.261	0.226	21.50	
52) C	Acenaphthene	1.217	1.201	1.197	1.150	1.068	1.084	1.039	1.137	6.37	
53)	3-Nitroaniline	0.146	0.193	0.243	0.277	0.264	0.282	0.280	0.241	21.68	
54) P	2,4-Dinitrophenol		0.049	0.066	0.093	0.096	0.112	0.116	0.089	29.73	
55)	Dibenzofuran	1.850	1.794	1.765	1.663	1.532	1.542	1.436	1.654	9.40	
56) P	4-Nitrophenol	0.129	0.159	0.197	0.228	0.215	0.229	0.227	0.198	19.87	
57)	2,4-Dinitrotol...	0.151	0.198	0.265	0.313	0.310	0.325	0.320	0.269	25.57	
58)	Fluorene	1.433	1.367	1.313	1.228	1.128	1.134	1.072	1.239	10.97	
59)	2,3,4,6-Tetrac...	0.313	0.314	0.336	0.339	0.309	0.322	0.315	0.321	3.66	
60)	Diethylphthalate	1.429	1.413	1.428	1.383	1.259	1.275	1.212	1.343	6.78	
61)	4-Chlorophenyl...	0.691	0.665	0.654	0.620	0.572	0.583	0.562	0.621	8.09	
62)	4-Nitroaniline	0.149	0.187	0.229	0.267	0.248	0.265	0.256	0.229	19.54	
63)	Azobenzene	1.544	1.503	1.505	1.437	1.320	1.325	1.262	1.414	7.81	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.043	0.063	0.087	0.090	0.100	0.103	0.081	28.86	
66) c	n-Nitrosodiphe...	0.702	0.681	0.689	0.665	0.631	0.623	0.607	0.657	5.56	
67)	4-Bromophenyl-...	0.241	0.237	0.239	0.238	0.227	0.230	0.224	0.234	2.86	
68)	Hexachlorobenzene	0.253	0.249	0.255	0.251	0.240	0.242	0.237	0.247	2.79	
69)	Atrazine	0.213	0.208	0.196	0.179	0.149	0.139		0.181	17.11	
70) C	Pentachlorophenol	0.137	0.146	0.161	0.169	0.159	0.164	0.160	0.156	7.07	
71)	Phenanthrene	1.186	1.152	1.134	1.073	1.001	1.001	0.940	1.070	8.58	
72)	Anthracene	1.203	1.156	1.155	1.068	1.002	0.990	0.931	1.072	9.54	
73)	Carbazole	1.074	1.010	1.014	0.955	0.882	0.871	0.821	0.947	9.69	
74)	Di-n-butylphth...	1.335	1.291	1.291	1.208	1.128	1.114	1.035	1.200	9.30	
75) C	Fluoranthene	1.285	1.216	1.192	1.089	0.992	0.981	0.917	1.096	12.66	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.342	0.198	0.259	0.214	0.181	0.316	0.252	26.09	
78)	Pyrene	1.698	1.687	1.815	1.796	1.738	1.734	1.656	1.732	3.32	
79) S	Terphenyl-d14	1.250	1.233	1.297	1.259	1.230	1.227	1.157	1.236	3.43	
80)	Butylbenzylpht...	0.546	0.579	0.643	0.668	0.650	0.667	0.652	0.629	7.54	
81)	Benzo(a)anthra...	1.367	1.387	1.384	1.312	1.244	1.262	1.292	1.321	4.46	
82)	3,3'-Dichlorob...	0.406	0.380	0.382	0.393	0.364	0.364	0.365	0.379	4.27	
83)	Chrysene	1.303	1.184	1.235	1.265	1.185	1.209	1.144	1.218	4.42	
84)	Bis(2-ethylhex...	0.702	0.696	0.788	0.832	0.811	0.828	0.827	0.783	7.59	
85) c	Di-n-octyl pht...	0.903	0.922	1.109	1.307	1.304	1.318	1.348	1.173	16.59	

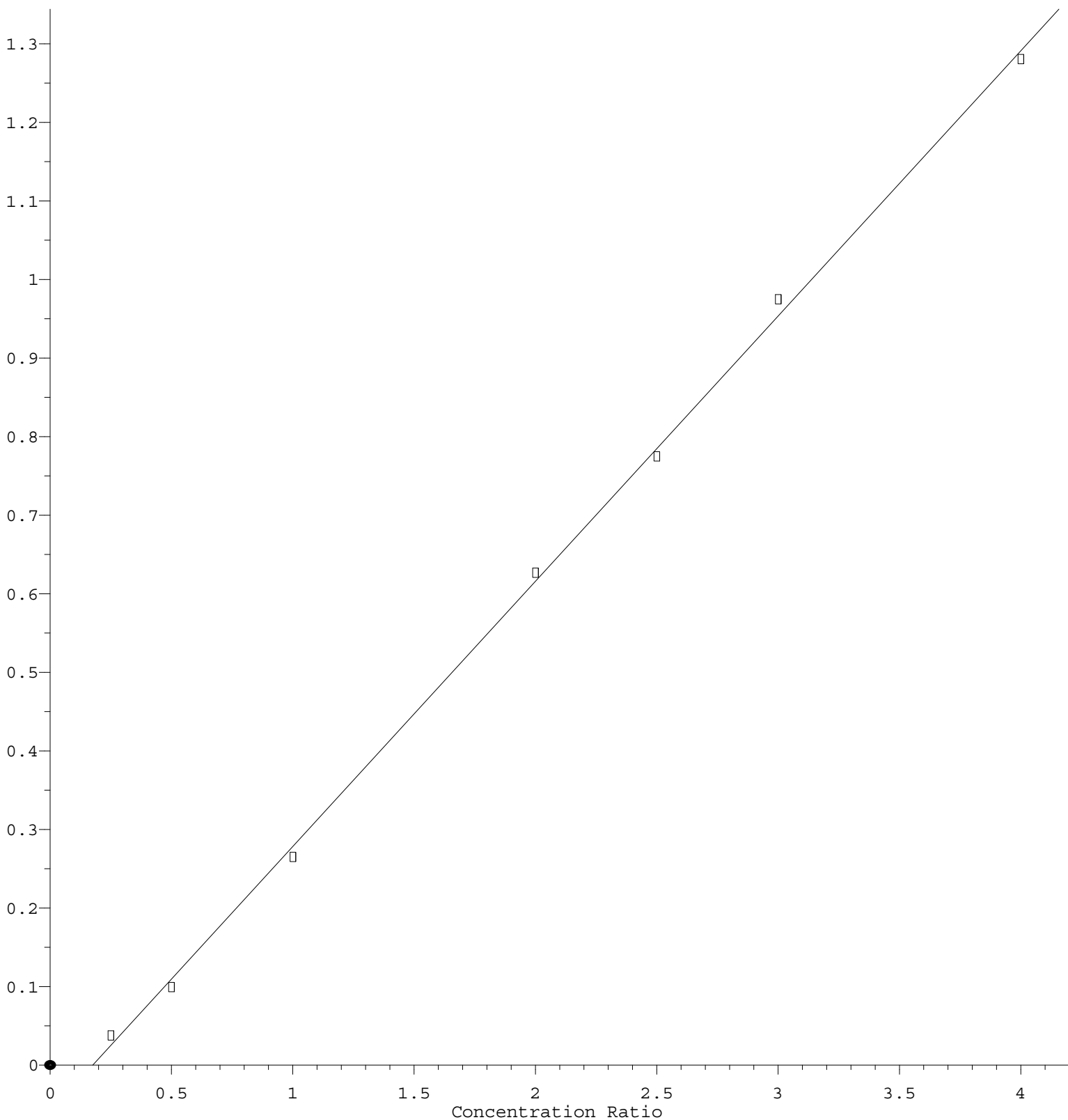
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.097	1.126	1.240	1.346	1.337	1.371	1.397	1.274	9.52	
88)	Benzo(b)fluora...	1.442	1.396	1.533	1.306	1.232	1.370	1.256	1.362	7.81	
89)	Benzo(k)fluora...	1.274	1.240	1.098	1.214	1.165	1.040	1.074	1.158	7.70	
90) C	Benzo(a)pyrene	1.113	1.083	1.133	1.119	1.060	1.080	1.060	1.093	2.68	
91)	Dibenzo(a,h)an...	0.902	0.931	1.025	1.109	1.094	1.101	1.115	1.040	8.63	
92)	Benzo(g,h,i)pe...	0.898	0.929	1.034	1.130	1.129	1.156	1.179	1.065	10.60	

(#) = Out of Range

2,4-Dinitrotoluene

Response Ratio



$$\text{Response} = 3.378\text{e-}001 * \text{Amt} - 5.953\text{e-}002$$

Coef of Det (r^2) = 0.999067 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M

Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141793.D
Acq On : 27 Feb 2025 15:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration

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

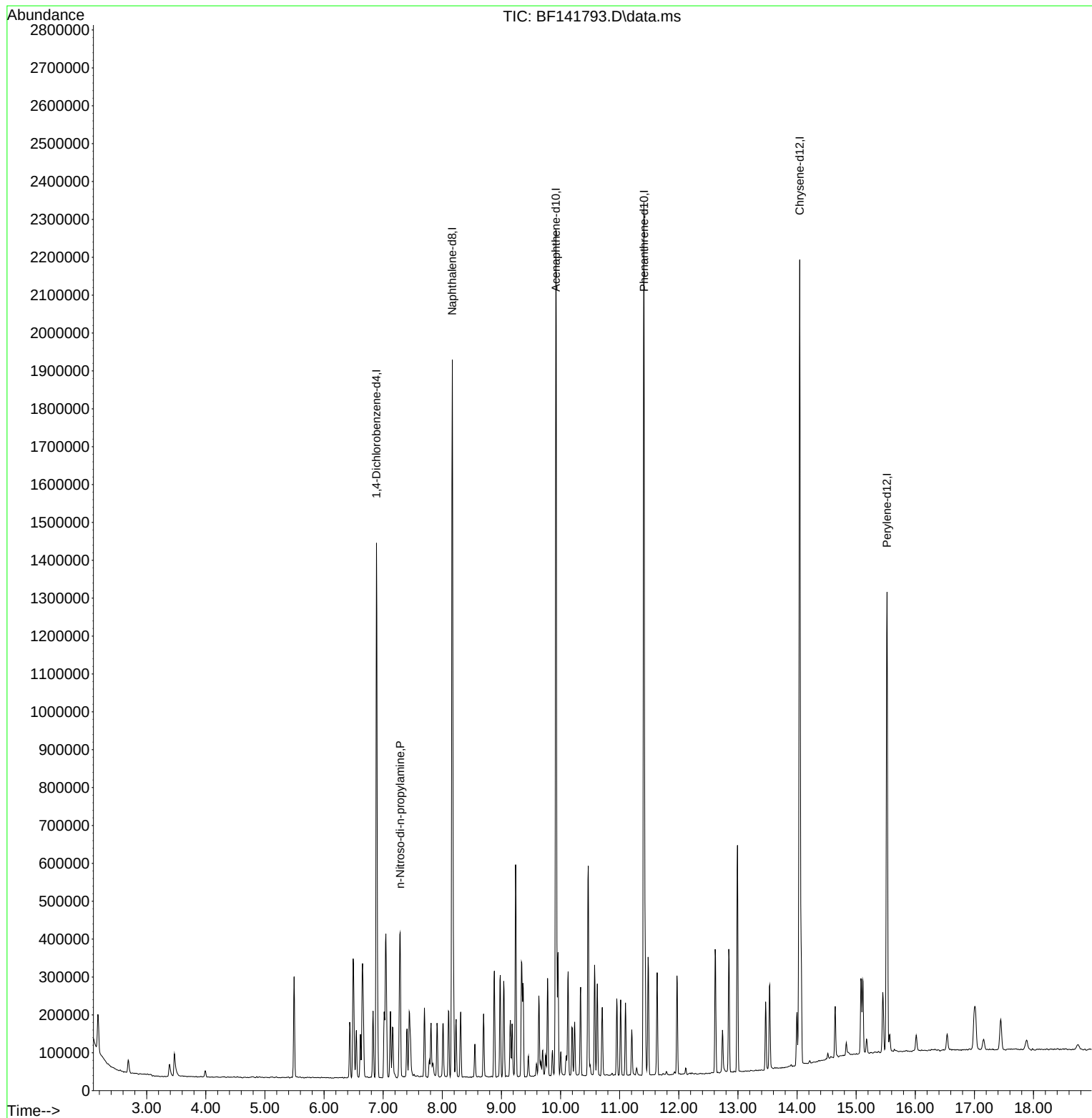
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	282413	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1147711	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	650007	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1119232	20.000	ng	0.00
76) Chrysene-d12	14.045	240	894958	20.000	ng	0.00
86) Perylene-d12	15.521	264	684814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	39992	2.936	ng	100

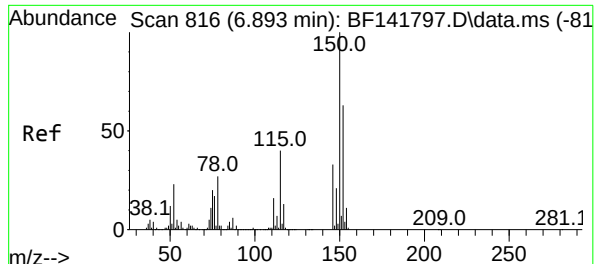
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141793.D
Acq On : 27 Feb 2025 15:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

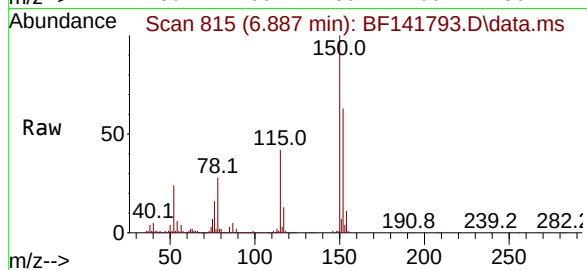
Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration



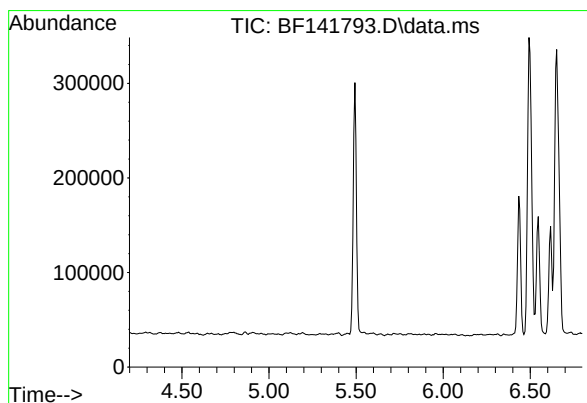
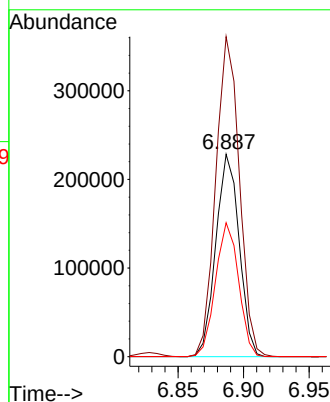
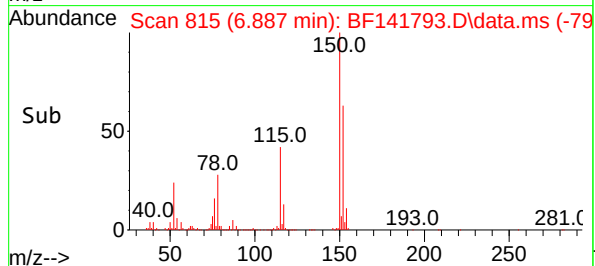


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



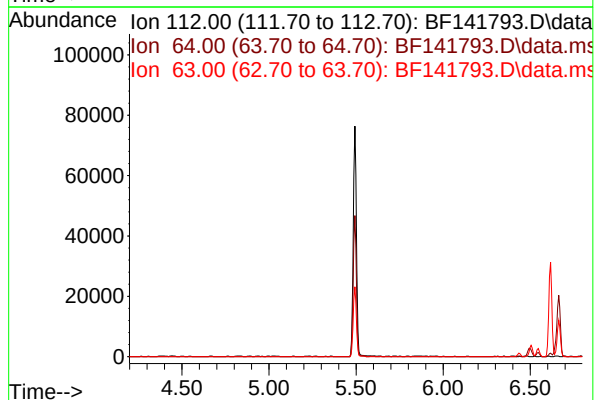
Tgt Ion:152 Resp: 282413
Ion Ratio Lower Upper
152 100
150 158.1 127.5 191.3
115 66.2 51.4 77.2

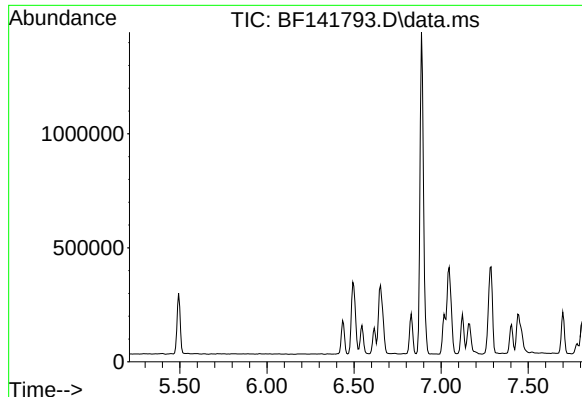


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

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

Tgt Ion: 112
Sig Exp Ratio
112 100
64 64.1
63 32.8





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

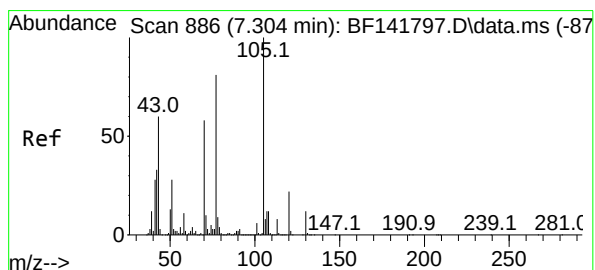
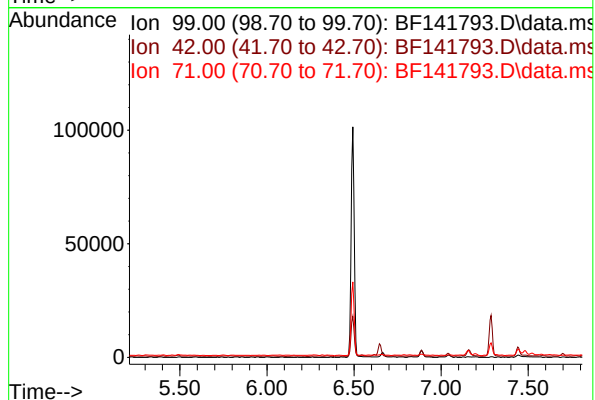
Tgt Ion: 99

Sig Exp Ratio

99 100

42 19.0

71 35.2



#19

n-Nitroso-di-n-propylamine

Concen: 2.936 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.018 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Tgt Ion: 70 Resp: 39992

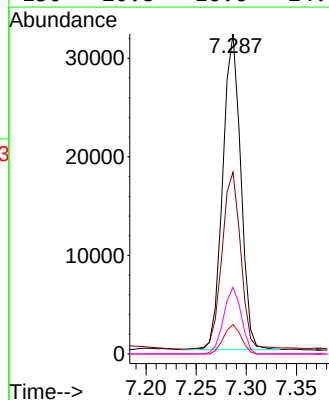
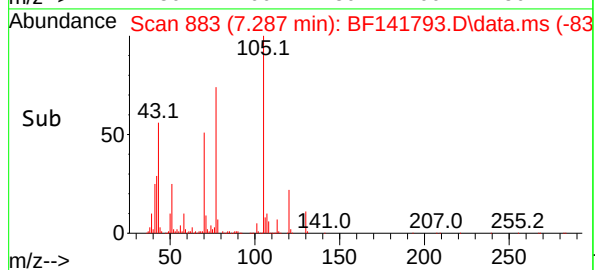
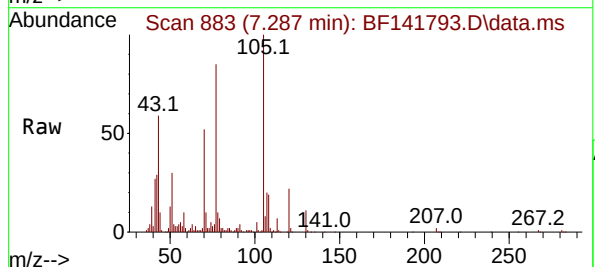
Ion Ratio Lower Upper

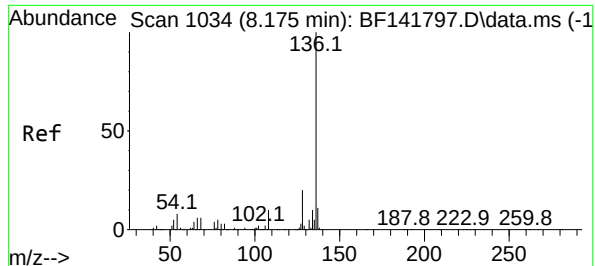
70 100

42 56.8 45.4 68.0

101 9.2 7.8 11.8

130 20.8 16.6 24.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141793.D

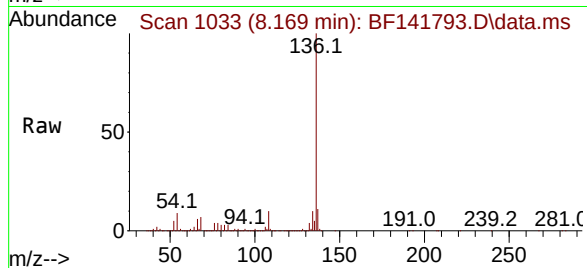
Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 1147711

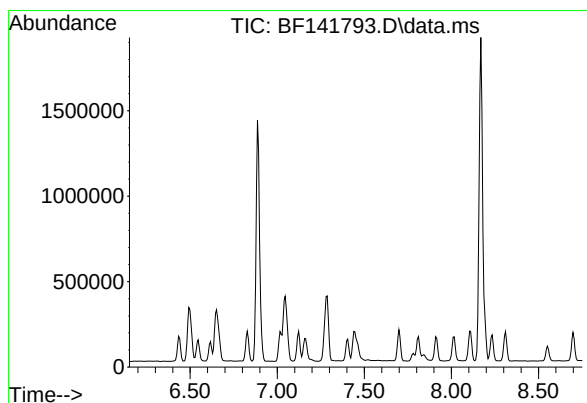
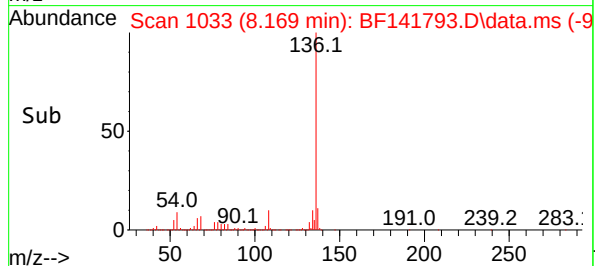
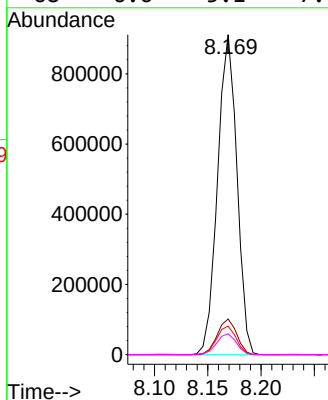
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.9 6.9 10.3

68 6.6 5.1 7.7



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

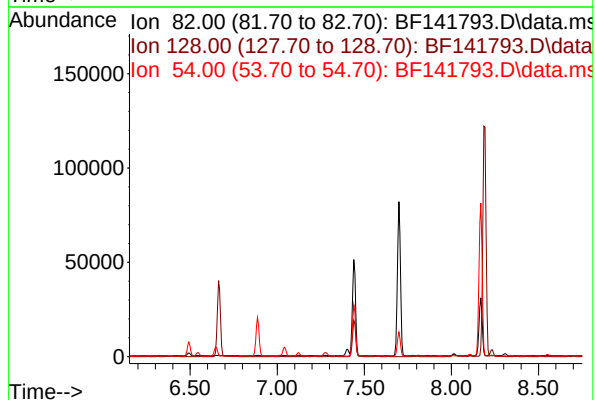
Tgt Ion: 82

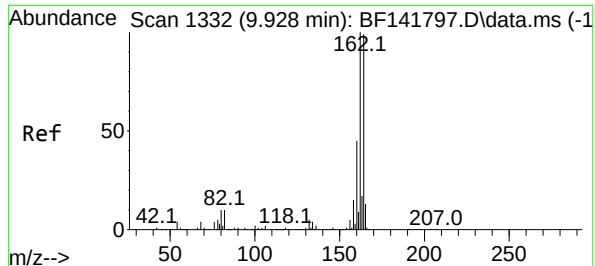
Sig Exp Ratio

82 100

128 41.9

54 53.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

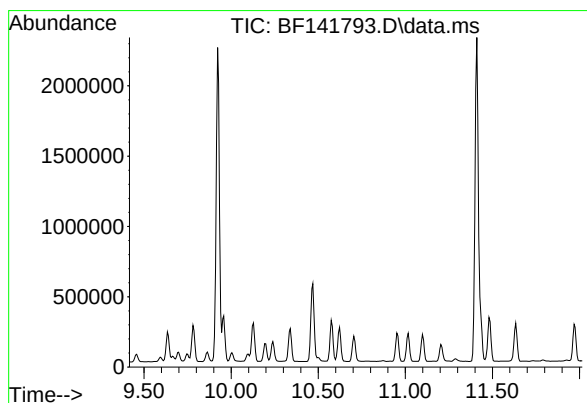
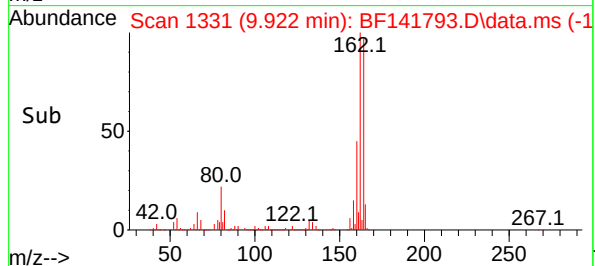
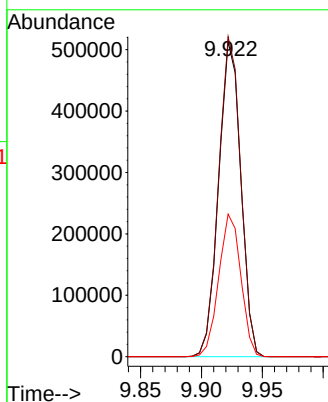
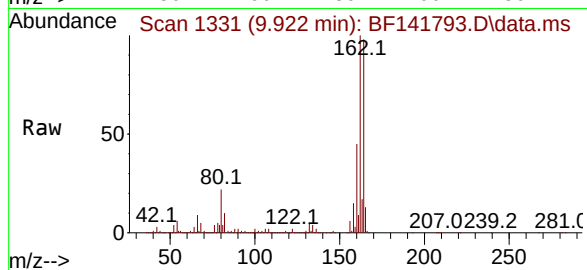
Tgt Ion:164 Resp: 650007

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

160 45.3 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

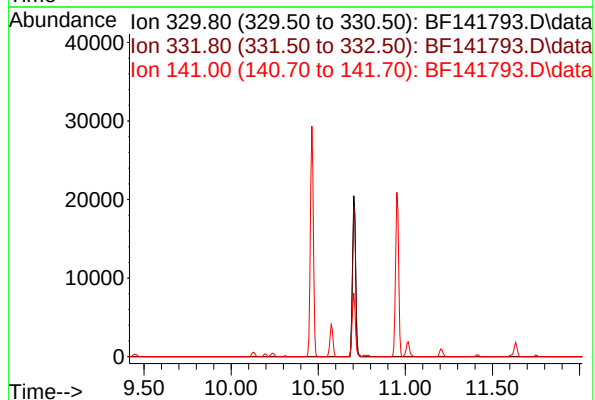
Tgt Ion: 330

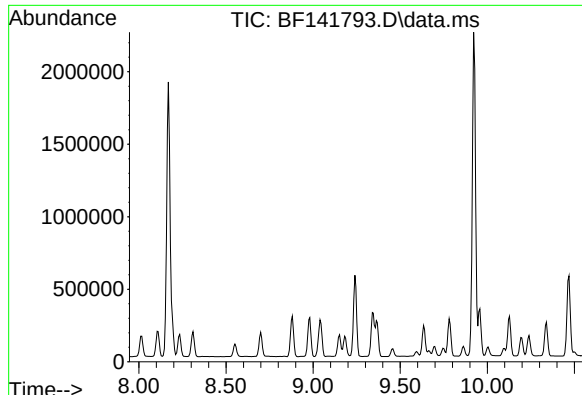
Sig Exp Ratio

330 100

332 95.8

141 36.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

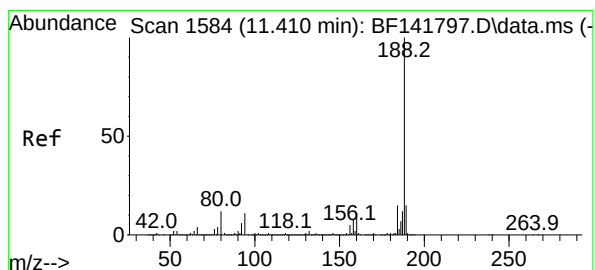
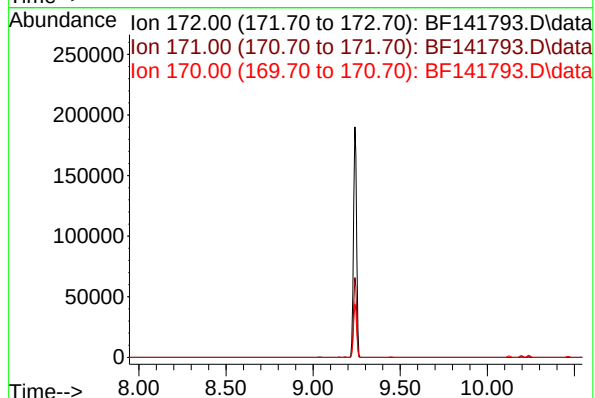
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.5

170 24.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF141793.D

Acq: 27 Feb 2025 15:17

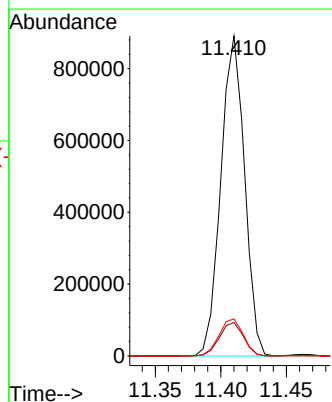
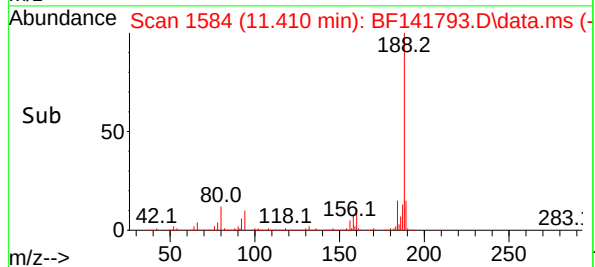
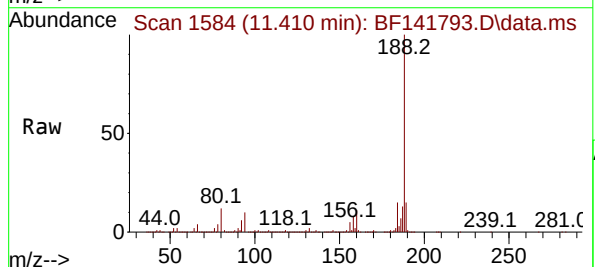
Tgt Ion:188 Resp: 1119232

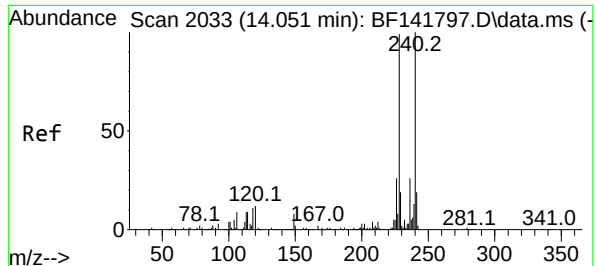
Ion Ratio Lower Upper

188 100

94 10.5 8.9 13.3

80 11.6 9.7 14.5

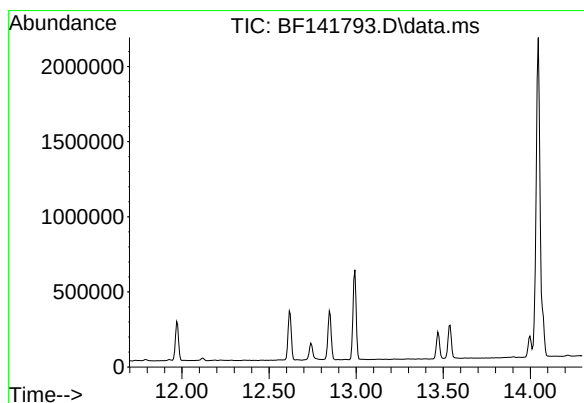
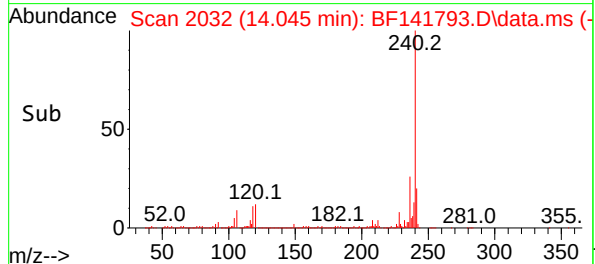
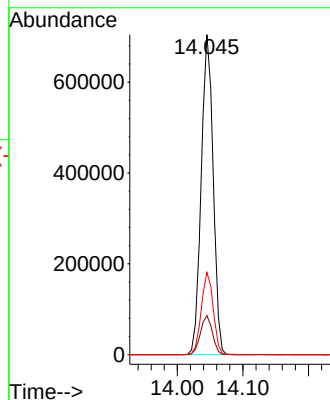
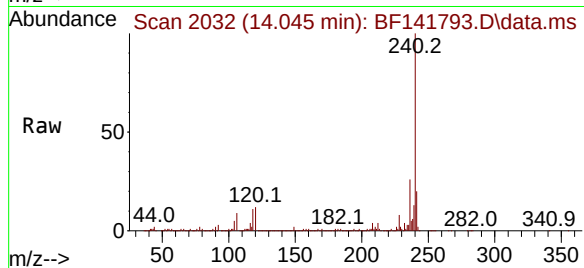




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

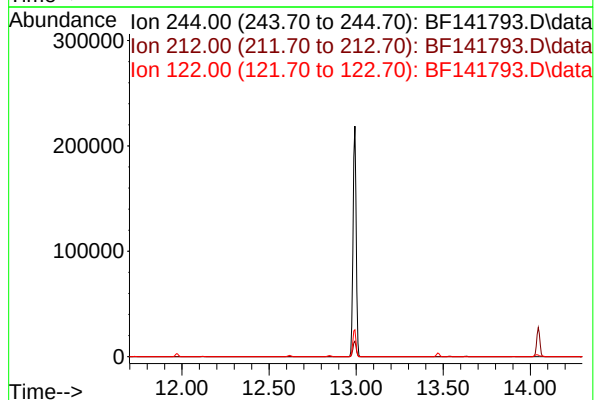
Tgt Ion:240 Resp: 894958
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.7 21.0 31.4



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

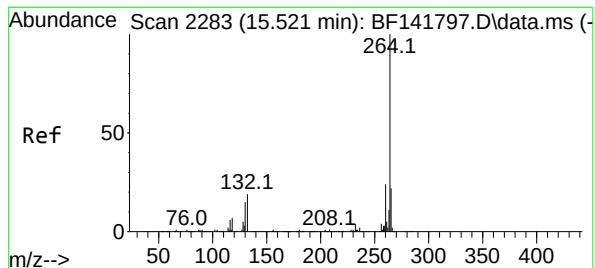
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.5
122 11.3



Ion 212.00 (211.70 to 212.70): BF141793.D\data

Ion 122.00 (121.70 to 122.70): BF141793.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141793.D

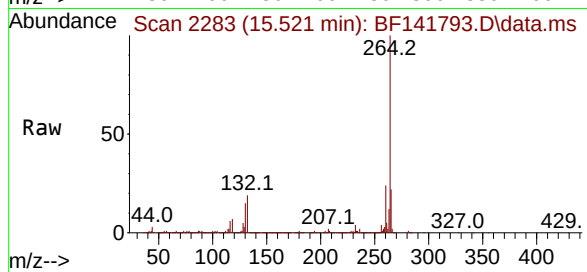
Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



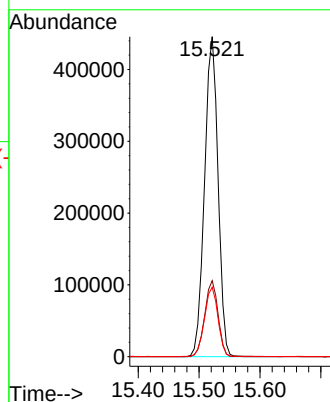
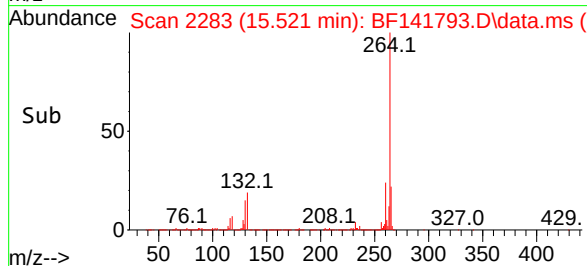
Tgt Ion:264 Resp: 684814

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141794.D
 Acq On : 27 Feb 2025 15:46
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

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

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	281554	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1128074	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	643922	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1101046	20.000	ng	0.00
76) Chrysene-d12	14.045	240	852555	20.000	ng	0.00
86) Perylene-d12	15.521	264	648925	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	189803	10.766	ng	0.00
7) Phenol-d6	6.493	99	246391	10.737	ng	-0.02
23) Nitrobenzene-d5	7.440	82	139940	7.929	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	56406	9.331	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	464621	11.570	ng	0.00
79) Terphenyl-d14	12.992	244	532855	10.112	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	43124	5.391	ng	98
3) Pyridine	3.458	79	98722	4.960	ng	97
4) n-Nitrosodimethylamine	3.381	42	44659	4.663	ng	# 97
6) Aniline	6.546	93	122918m	5.180	ng	
8) 2-Chlorophenol	6.663	128	101533	5.324	ng	98
9) Benzaldehyde	6.434	77	81024	6.070	ng	99
10) Phenol	6.504	94	130523m	5.339	ng	
11) bis(2-Chloroethyl)ether	6.616	93	96953	5.187	ng	100
12) 1,3-Dichlorobenzene	6.828	146	108688	5.321	ng	99
13) 1,4-Dichlorobenzene	6.904	146	109382	5.315	ng	99
14) 1,2-Dichlorobenzene	7.057	146	105070	5.468	ng	98
15) Benzyl Alcohol	7.016	79	94845	5.172	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	150528	5.303	ng	100
17) 2-Methylphenol	7.122	107	81304	5.165	ng	97
18) Hexachloroethane	7.404	117	39359	5.110	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	79943	5.300	ng	99
20) 3+4-Methylphenols	7.275	107	106084	5.412	ng	93
22) Acetophenone	7.287	105	152122	5.537	ng	# 97
24) Nitrobenzene	7.463	77	76930	4.071	ng	96
25) Isophorone	7.698	82	197960	5.221	ng	99
26) 2-Nitrophenol	7.781	139	22354	6.947	ng	97
27) 2,4-Dimethylphenol	7.810	122	72631	5.211	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	130473	5.395	ng	98
29) 2,4-Dichlorophenol	8.016	162	79008	4.914	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	92399	5.244	ng	98
31) Naphthalene	8.192	128	321546	5.546	ng	98
33) 4-Chloroaniline	8.234	127	113407	5.335	ng	98
34) Hexachlorobutadiene	8.310	225	56205	5.134	ng	99
35) Caprolactam	8.557	113	24467	4.946	ng	95
36) 4-Chloro-3-methylphenol	8.698	107	93983	5.262	ng	97
37) 2-Methylnaphthalene	8.881	142	214971	5.653	ng	97
38) 1-Methylnaphthalene	8.981	142	207097	5.676	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	98100	5.275	ng	97
41) Hexachlorocyclopentadiene	9.034	237	34990	4.508	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	57097	4.753	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	55979	4.706	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141794.D
 Acq On : 27 Feb 2025 15:46
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	272648	5.563	ng	97
47) 2-Chloronaphthalene	9.369	162	194915	5.388	ng	97
48) 2-Nitroaniline	9.457	65	24463	6.586	ng	98
49) Acenaphthylene	9.781	152	297257	5.481	ng	98
50) Dimethylphthalate	9.639	163	230425	5.344	ng	99
51) 2,6-Dinitrotoluene	9.698	165	21902	5.327	ng	98
52) Acenaphthene	9.957	154	195912	5.353	ng	97
53) 3-Nitroaniline	9.863	138	23458	5.471	ng	# 83
55) Dibenzofuran	10.128	168	297756	5.590	ng	96
56) 4-Nitrophenol	10.004	139	20838	3.272	ng	91
57) 2,4-Dinitrotoluene	10.098	165	24255	5.755	ng	# 96
58) Fluorene	10.469	166	230713	5.782	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	50417	4.873	ng	99
60) Diethylphthalate	10.339	149	230060	5.322	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	111169	5.561	ng	98
62) 4-Nitroaniline	10.469	138	24006	3.260	ng	# 84
63) Azobenzene	10.622	77	248519	5.460	ng	98
66) n-Nitrosodiphenylamine	10.575	169	193204	5.344	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	66312	5.156	ng	99
68) Hexachlorobenzene	11.016	284	69598	5.125	ng	100
69) Atrazine	11.098	200	58634	5.897	ng	98
70) Pentachlorophenol	11.204	266	37669	4.373	ng	99
71) Phenanthrene	11.433	178	326529	5.544	ng	99
72) Anthracene	11.481	178	331149	5.610	ng	98
73) Carbazole	11.633	167	295693	5.673	ng	98
74) Di-n-butylphthalate	11.969	149	367349	5.560	ng	99
75) Fluoranthene	12.622	202	353684	5.861	ng	97
78) Pyrene	12.845	202	361938	4.903	ng	98
80) Butylbenzylphthalate	13.469	149	116439	4.341	ng	99
81) Benzo(a)anthracene	14.033	228	291373	5.174	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	86483	5.353	ng	97
83) Chrysene	14.069	228	277632	5.348	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	149689	4.482	ng	99
85) Di-n-octyl phthalate	14.645	149	192390	3.848	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	178035	4.309	ng	99
88) Benzo(b)fluoranthene	15.086	252	233991	5.294	ng	98
89) Benzo(k)fluoranthene	15.116	252	206614	5.499	ng	100
90) Benzo(a)pyrene	15.451	252	180486	5.091	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	146279	4.337	ng	97
92) Benzo(g,h,i)perylene	17.445	276	145755	4.218	ng	99

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

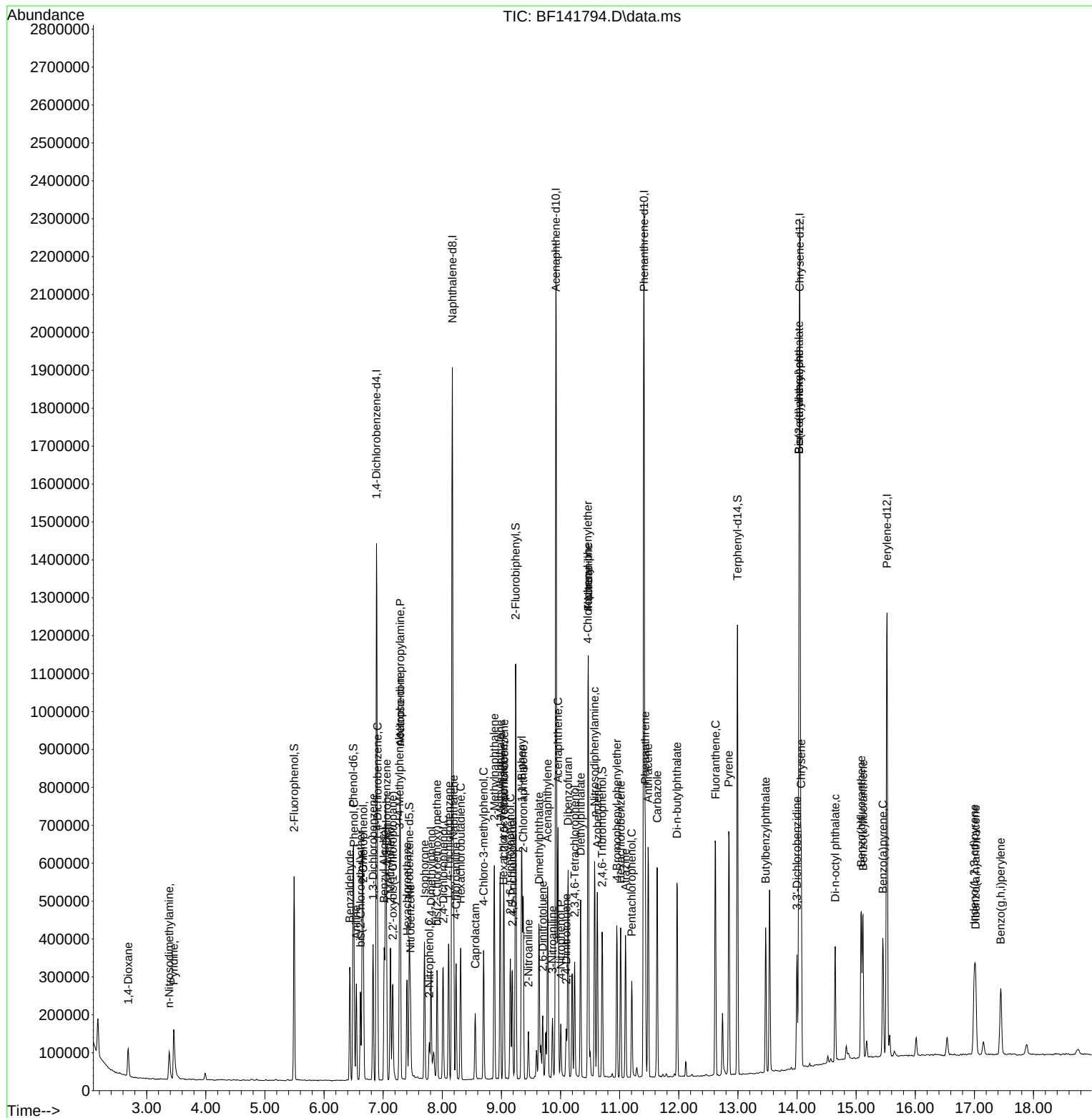
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141794.D
 Acq On : 27 Feb 2025 15:46
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

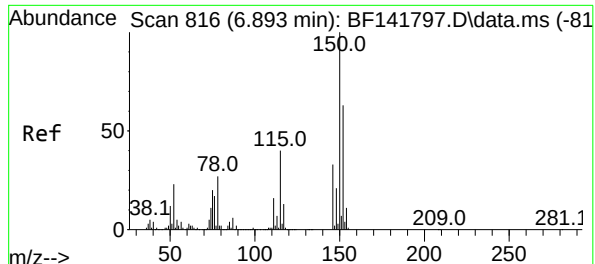
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations APPROVED

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

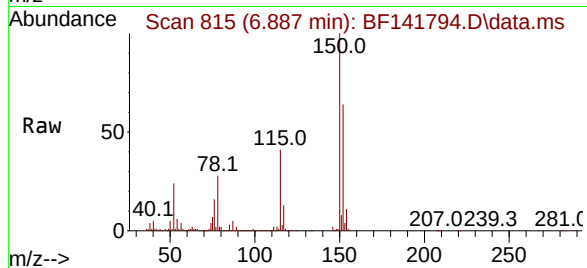
Quant Time: Feb 28 01:23:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

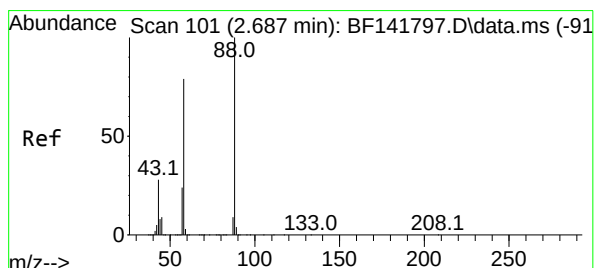
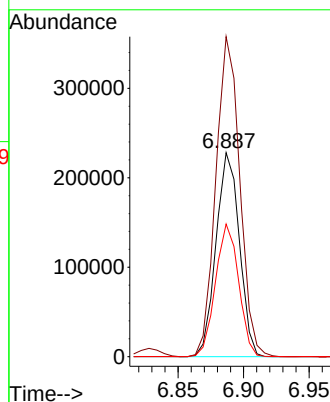
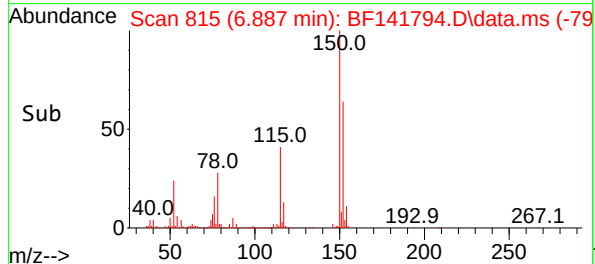
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 281554
Ion Ratio Lower Upper
152 100
150 156.8 127.5 191.3
115 65.0 51.4 77.2

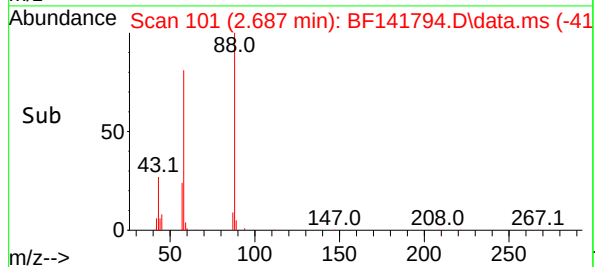
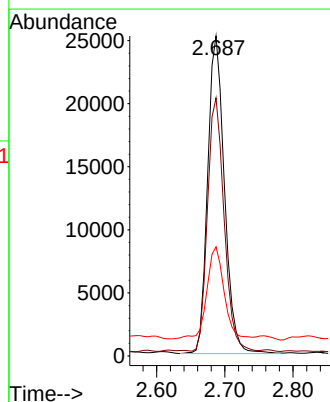
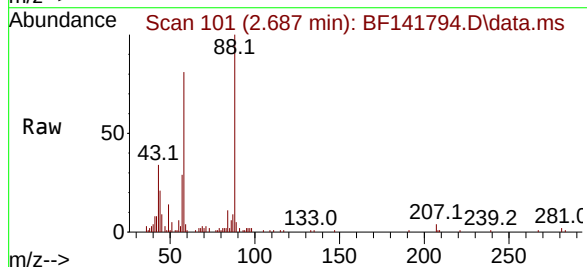
Manual Integrations
APPROVED

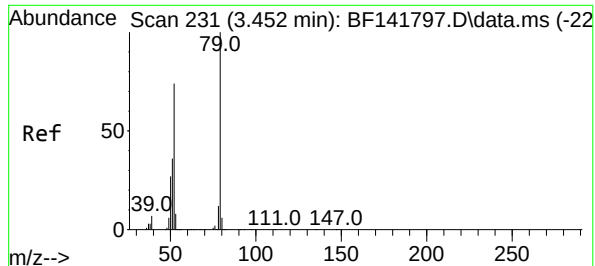
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

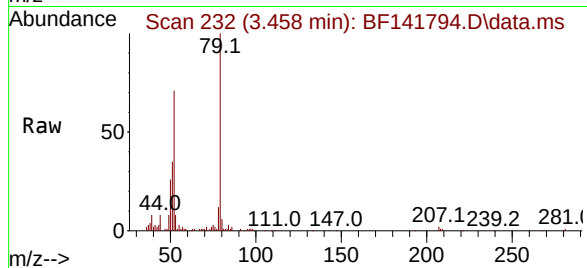
Tgt Ion: 88 Resp: 43124
Ion Ratio Lower Upper
88 100
58 78.5 63.9 95.9
43 29.6 23.0 34.6





#3
Pyridine
Concen: 4.960 ng
RT: 3.458 min Scan# 219
Delta R.T. 0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

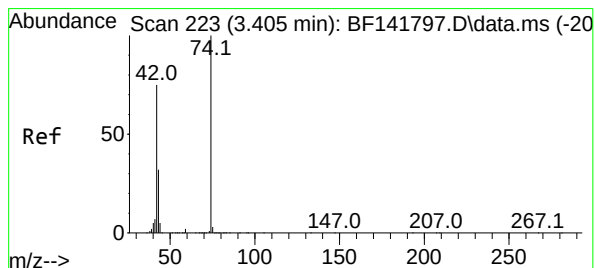
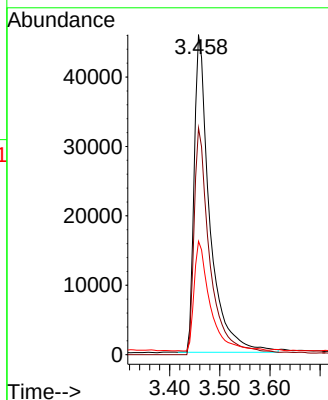
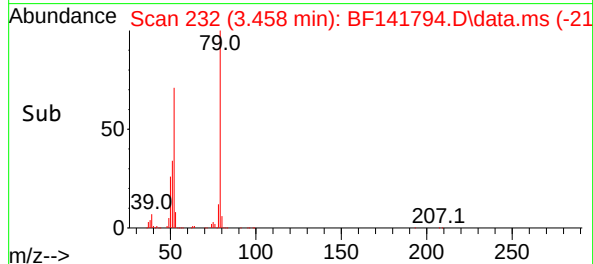
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



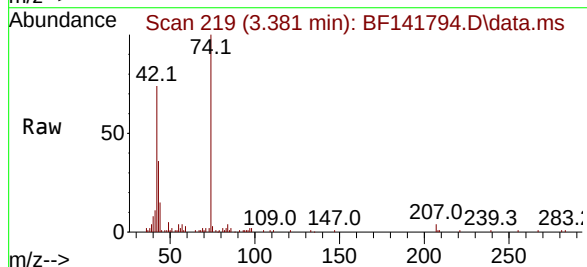
Tgt Ion: 79 Resp: 9872
Ion Ratio Lower Upper
79 100
52 70.9 59.0 88.4
51 35.5 29.0 43.4

Manual Integrations
APPROVED

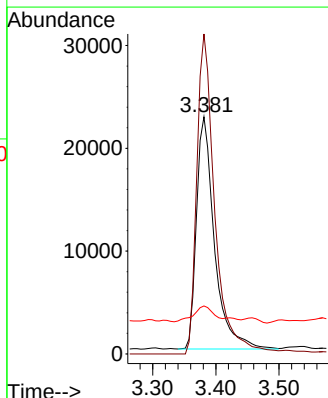
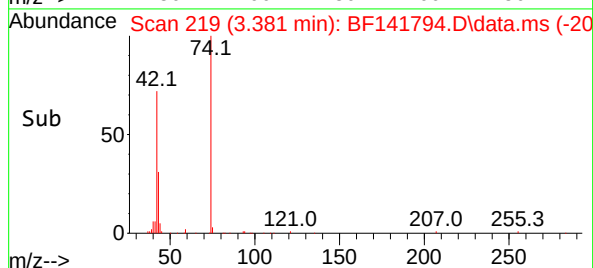
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

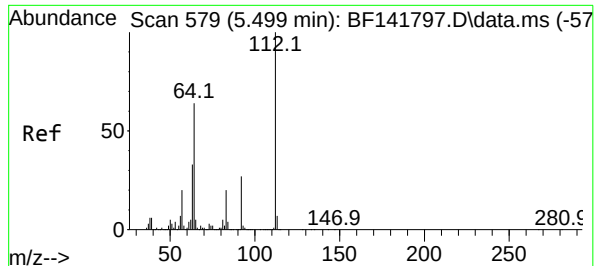


#4
n-Nitrosodimethylamine
Concen: 4.663 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



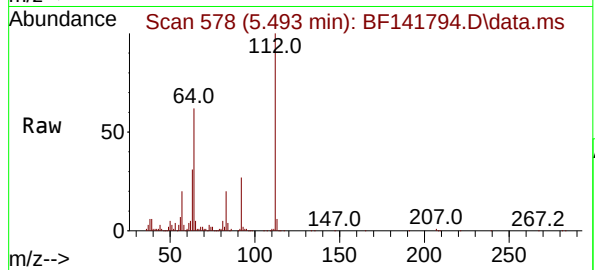
Tgt Ion: 42 Resp: 44659
Ion Ratio Lower Upper
42 100
74 134.9 107.1 160.7
44 20.2 6.6 9.8





#5
2-Fluorophenol
Concen: 10.766 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

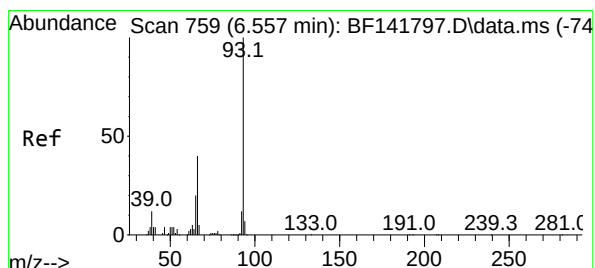
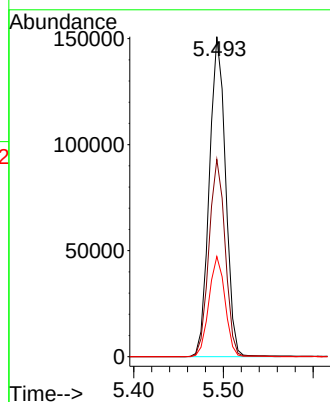
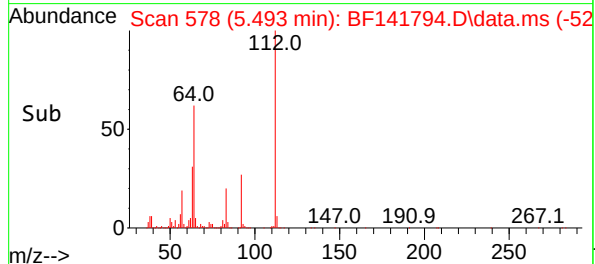
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 112 Resp: 18980
Ion Ratio Lower Upper
112 100
64 61.7 51.3 76.9
63 31.3 26.2 39.4

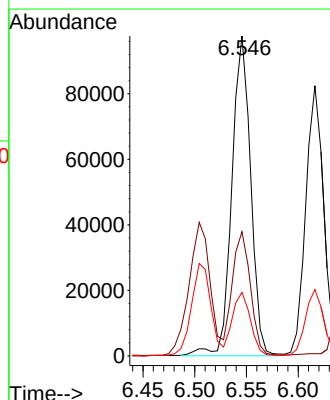
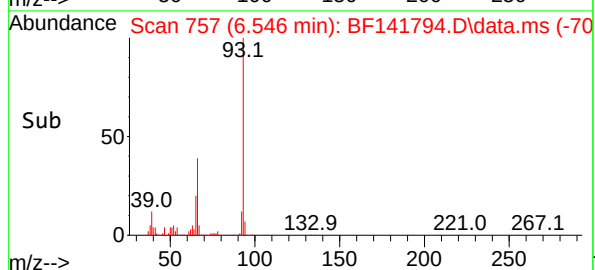
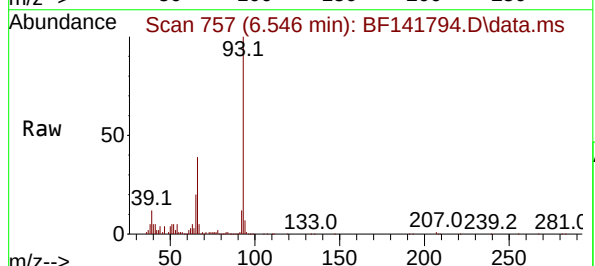
Manual Integrations
APPROVED

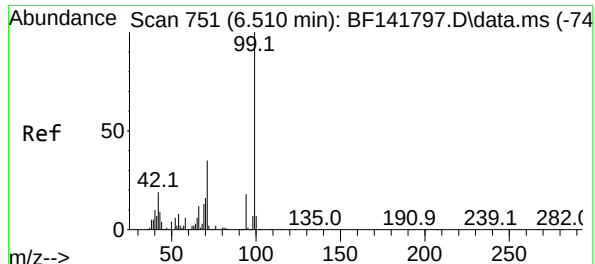
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion: 93 Resp: 122918
Ion Ratio Lower Upper
93 100
66 38.8 32.3 48.5
65 19.9 15.9 23.9





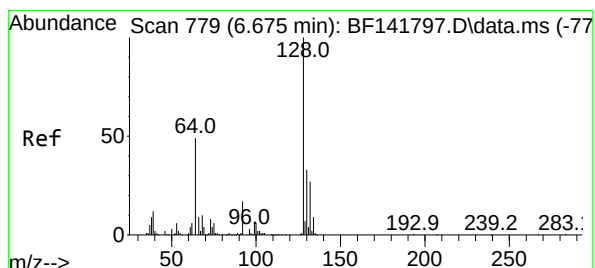
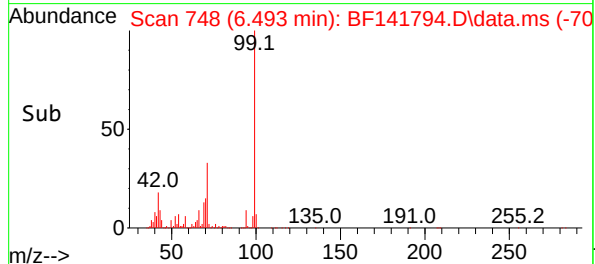
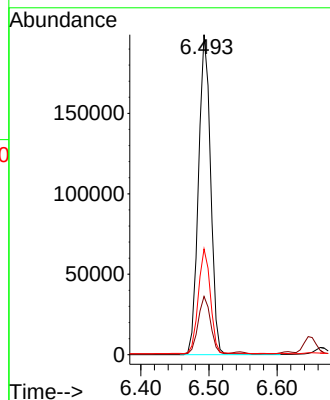
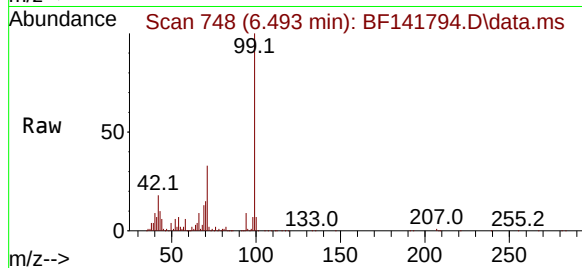
#7
Phenol-d6
Concen: 10.737 ng
RT: 6.493 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 24639
Ion Ratio Lower Upper
99 100
42 18.2 15.2 22.8
71 33.0 28.2 42.2

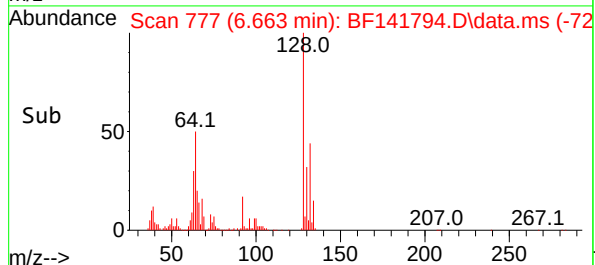
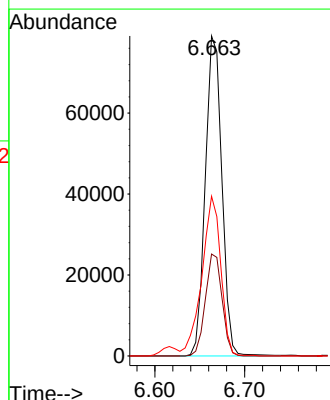
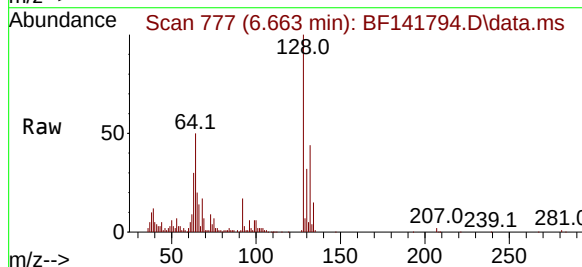
Manual Integrations
APPROVED

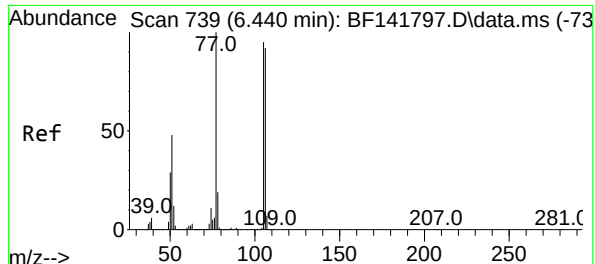
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

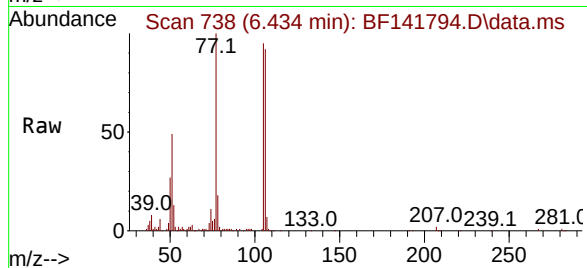
Tgt Ion:128 Resp: 101533
Ion Ratio Lower Upper
128 100
130 31.8 12.6 52.6
64 49.9 31.1 71.1





#9
Benzaldehyde
Concen: 6.070 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

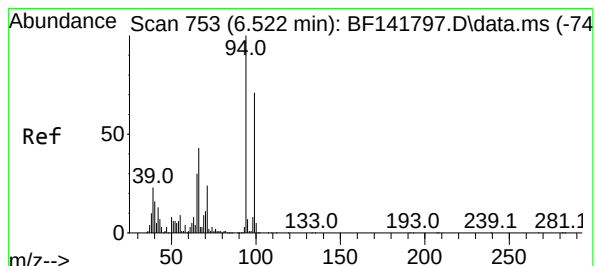
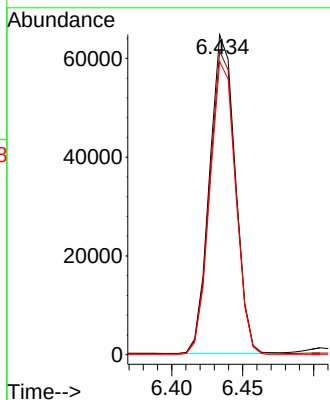
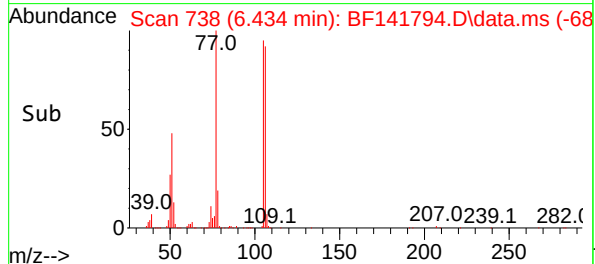
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 77 Resp: 81024
Ion Ratio Lower Upper
77 100
105 94.9 75.3 115.3
106 91.6 72.3 112.3

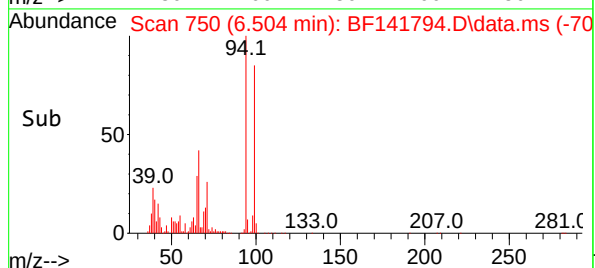
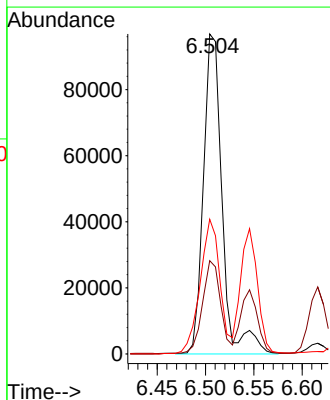
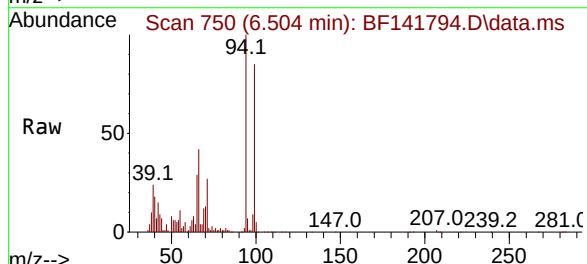
Manual Integrations
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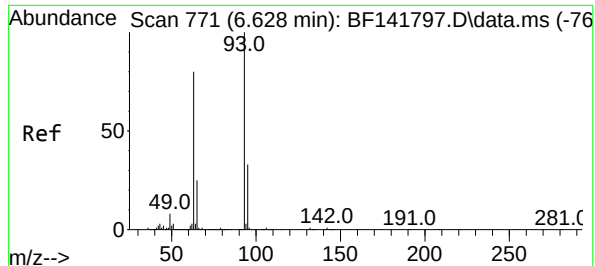
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion: 94 Resp: 130523
Ion Ratio Lower Upper
94 100
65 29.1 10.2 50.2
66 42.1 23.2 63.2





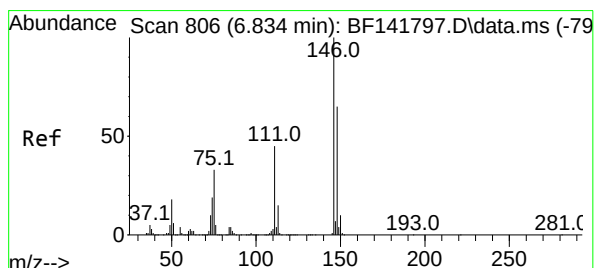
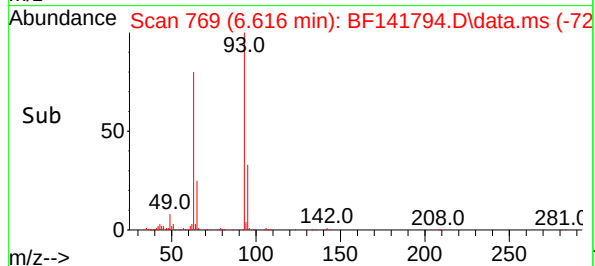
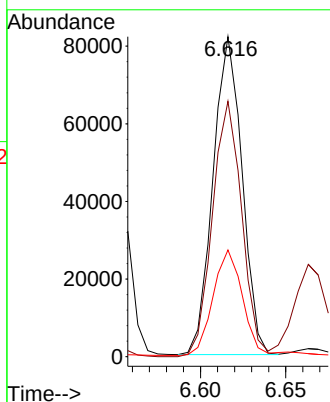
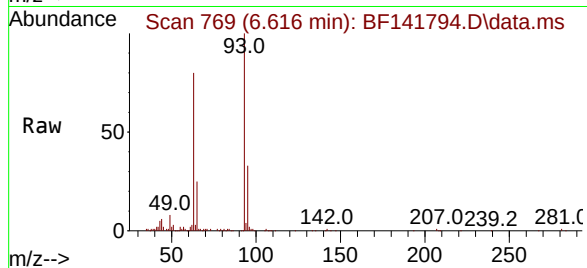
#11
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 6.616 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 9695
Ion Ratio Lower Upper
93 100
63 79.8 59.3 99.3
95 33.3 13.2 53.2

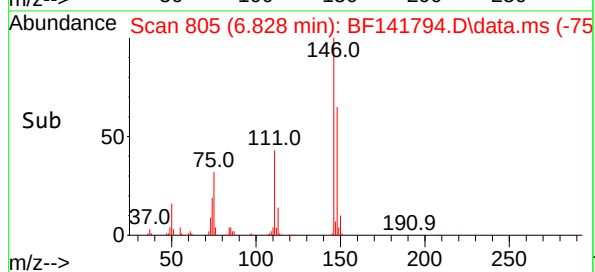
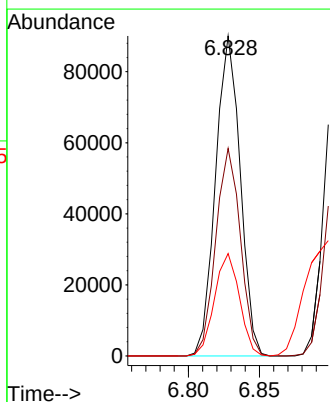
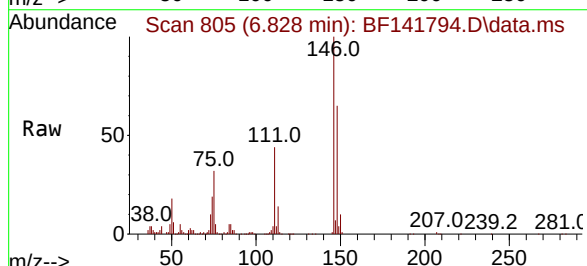
Manual Integrations
APPROVED

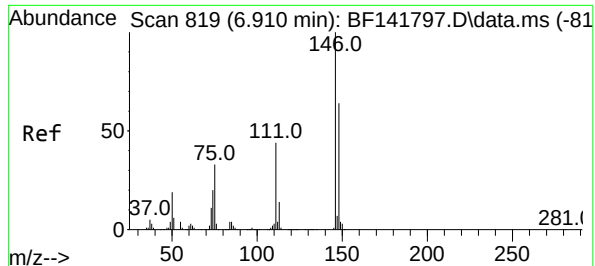
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:146 Resp: 108688
Ion Ratio Lower Upper
146 100
148 64.9 51.8 77.6
75 32.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 5.315 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 10938

Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.2

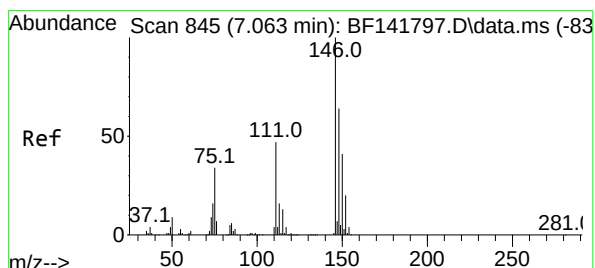
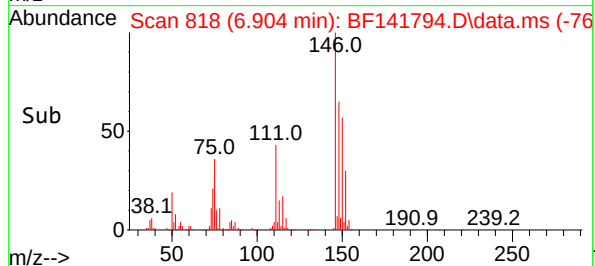
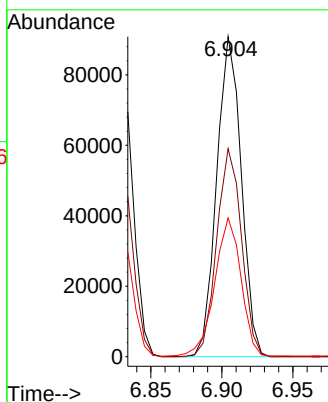
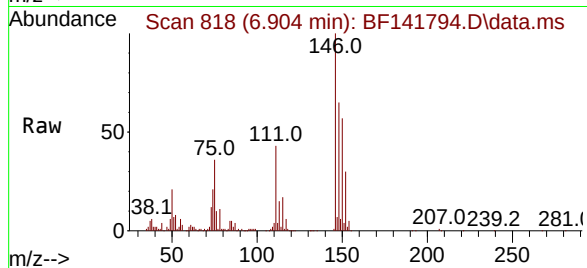
111 43.4 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 5.468 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

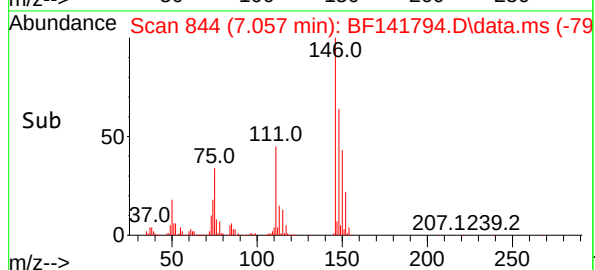
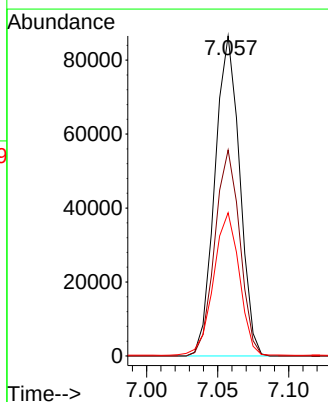
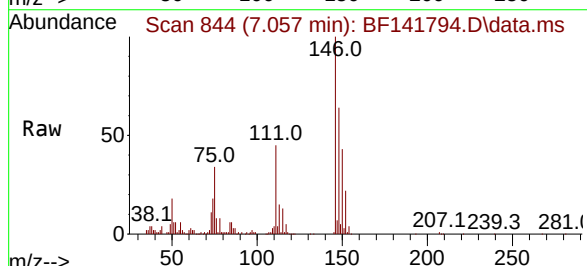
Tgt Ion:146 Resp: 105070

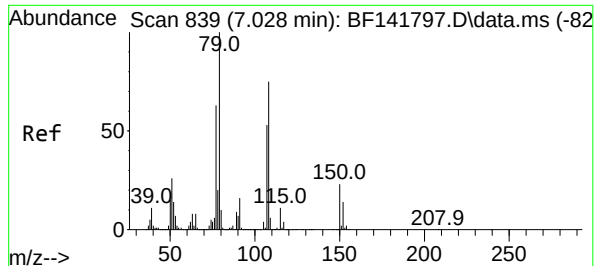
Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

111 44.8 37.8 56.6





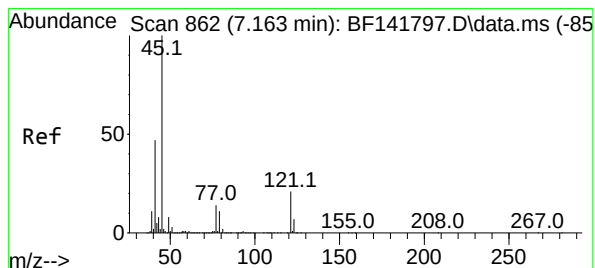
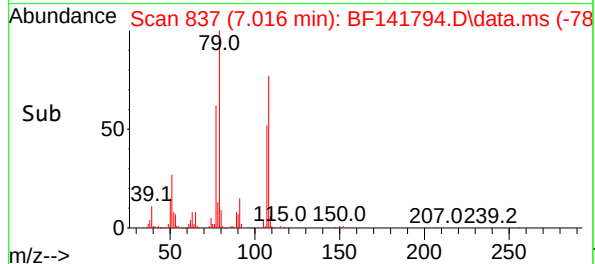
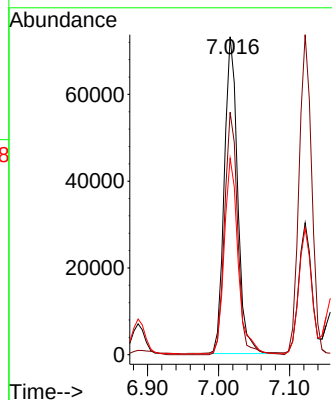
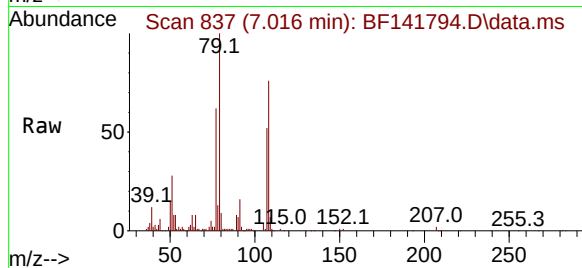
#15
Benzyl Alcohol
Concen: 5.172 ng
RT: 7.016 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 9484
Ion Ratio Lower Upper
79 100
108 76.3 60.2 90.2
77 61.8 50.2 75.2

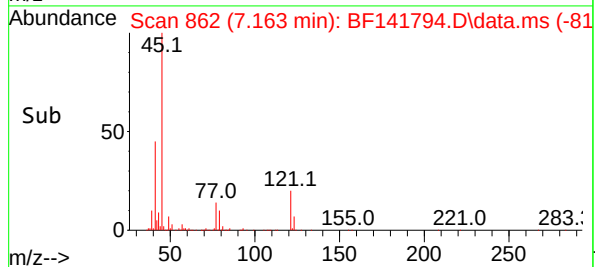
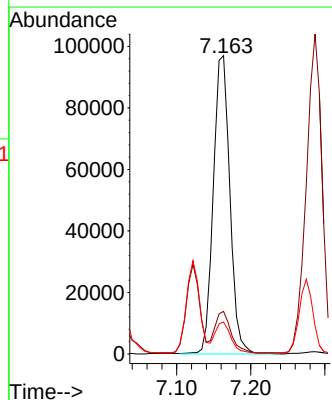
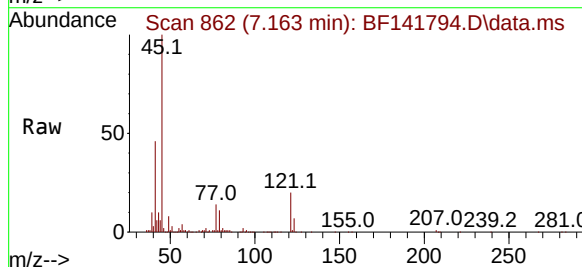
Manual Integrations
APPROVED

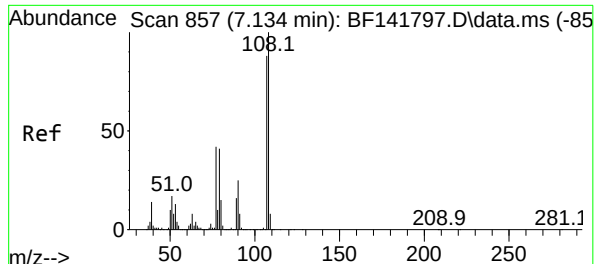
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

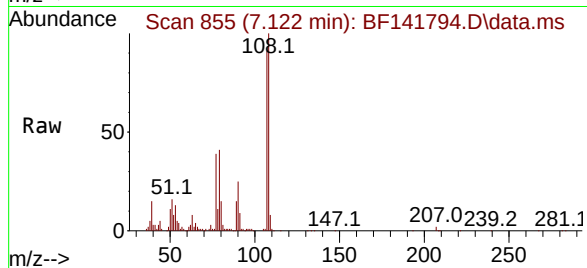
Tgt Ion: 45 Resp: 150528
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.4
79 10.7 0.0 30.9





#17
2-Methylphenol
Concen: 5.165 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

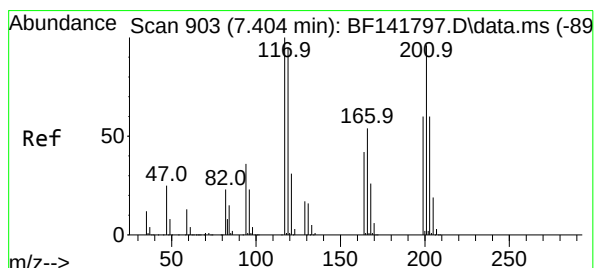
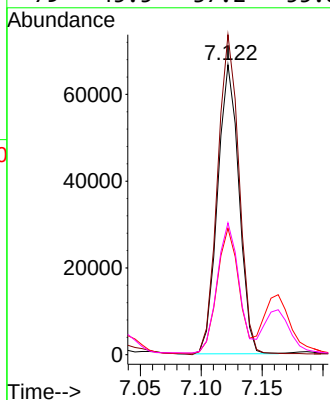
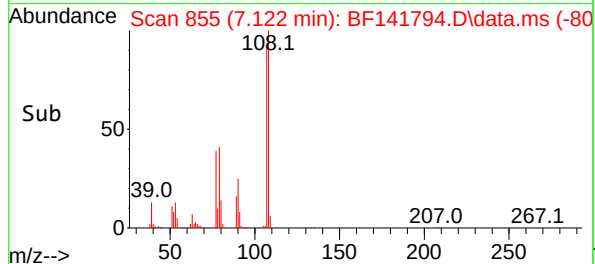
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:107 Resp: 81304
Ion Ratio Lower Upper
107 100
108 110.4 90.6 135.8
77 43.6 37.7 56.5
79 45.5 37.2 55.8

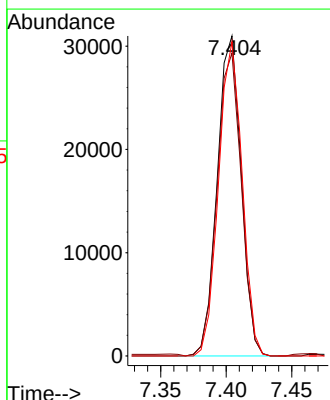
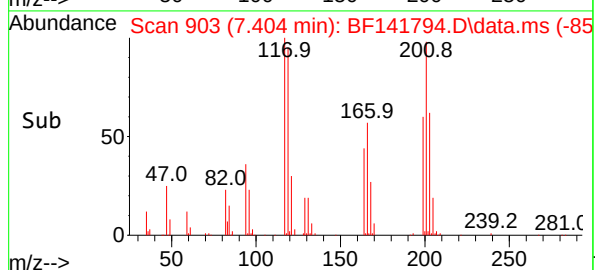
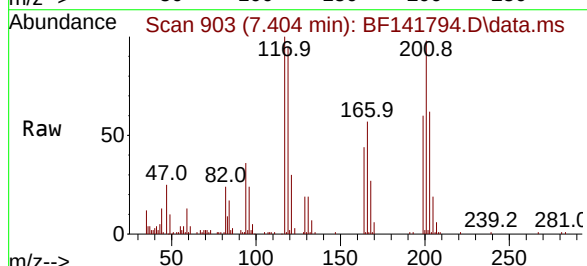
Manual Integrations
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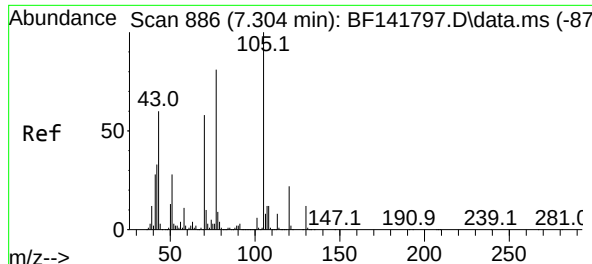
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:117 Resp: 39359
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.8
201 98.2 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 5.300 ng

RT: 7.287 min Scan# 881

Delta R.T. -0.018 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 7994

Ion Ratio Lower Upper

70 100

42 57.7 45.4 68.0

101 9.6 7.8 11.8

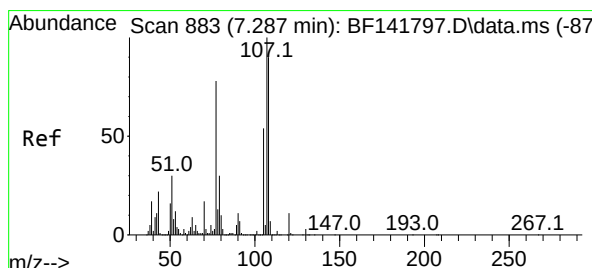
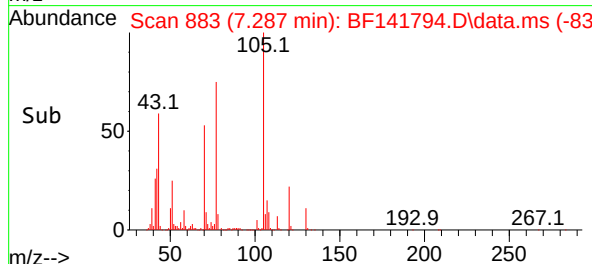
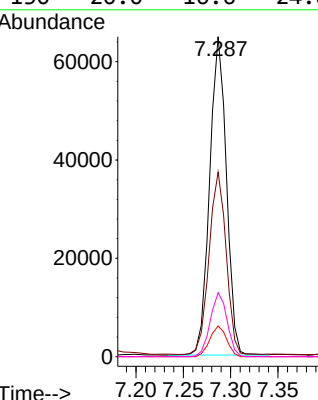
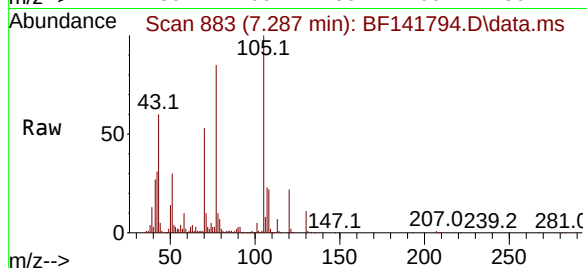
130 20.0 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 5.412 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 106084

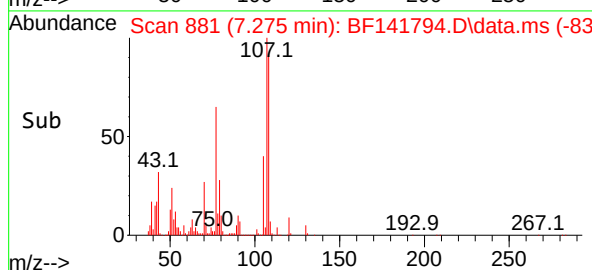
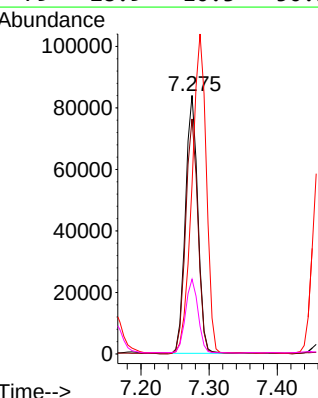
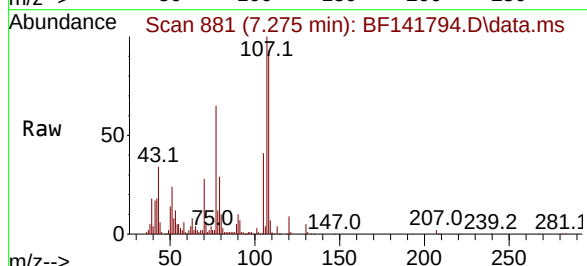
Ion Ratio Lower Upper

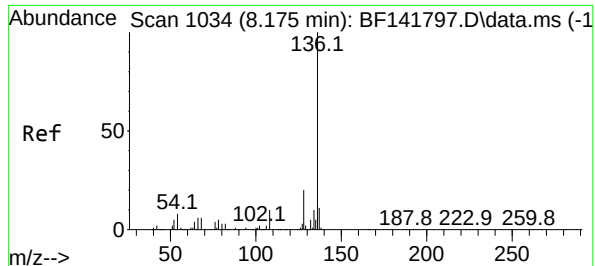
107 100

108 90.9 69.7 109.7

77 65.5 58.3 98.3

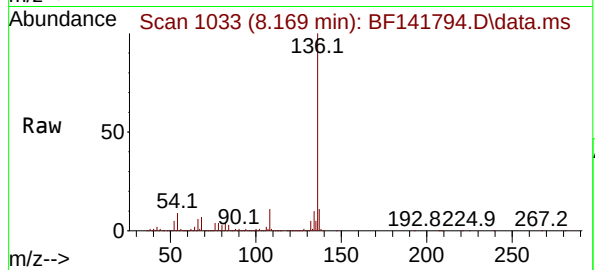
79 28.9 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

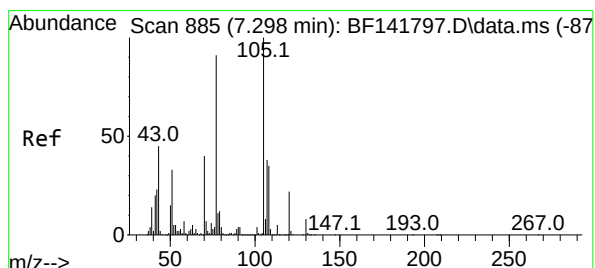
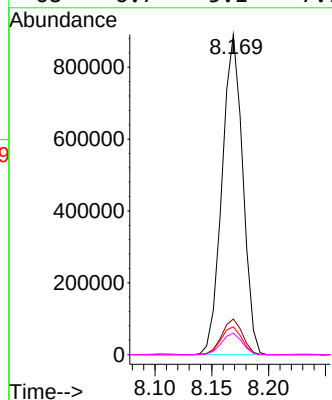
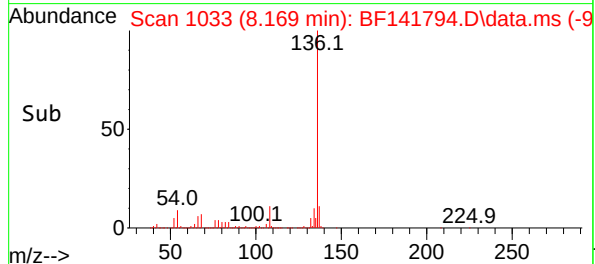
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:136 Resp: 1128074
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.7 6.9 10.3
68 6.7 5.1 7.7

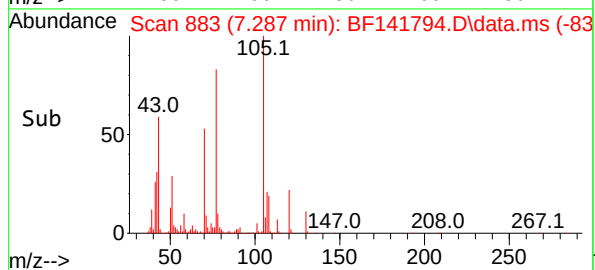
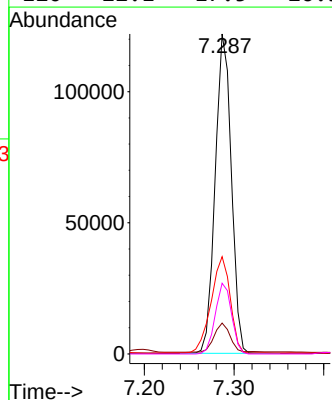
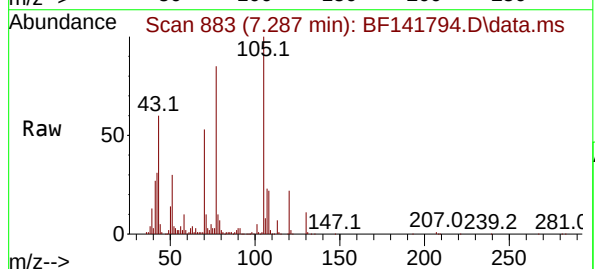
Manual Integrations
APPROVED

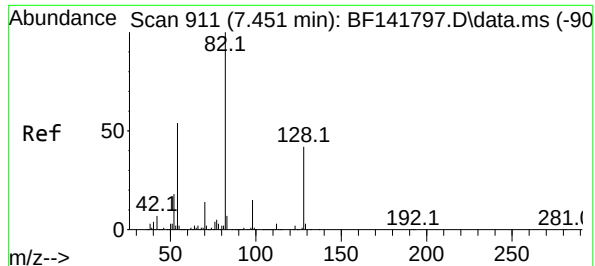
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:105 Resp: 152122
Ion Ratio Lower Upper
105 100
71 9.7 5.4 8.0#
51 30.4 26.1 39.1
120 22.1 17.5 26.3





#23

Nitrobenzene-d5

Concen: 7.929 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 139940

Ion Ratio Lower Upper

82 100

128 38.6 33.5 50.3

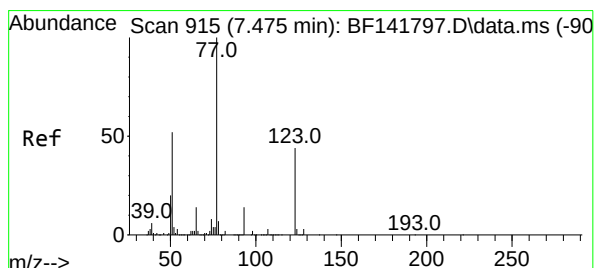
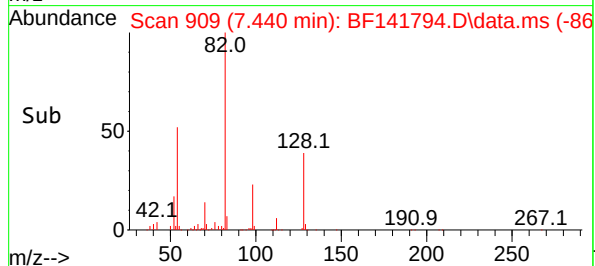
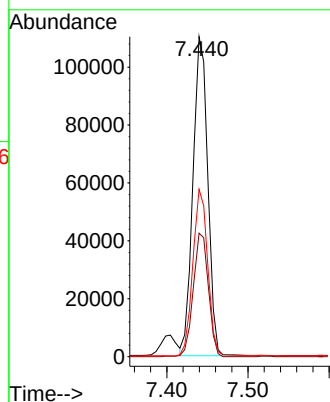
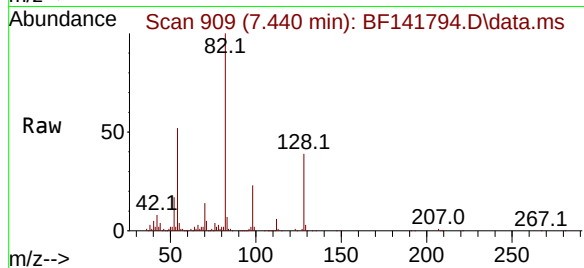
54 52.3 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 4.071 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

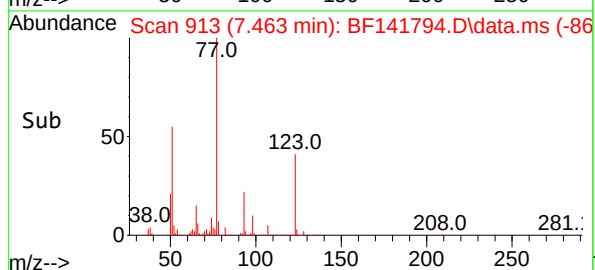
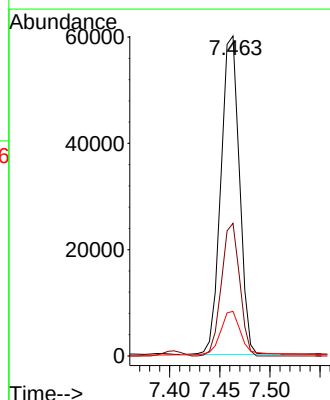
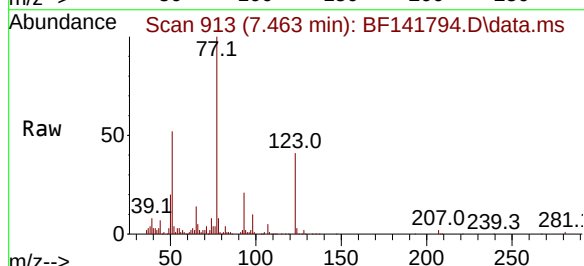
Tgt Ion: 77 Resp: 76930

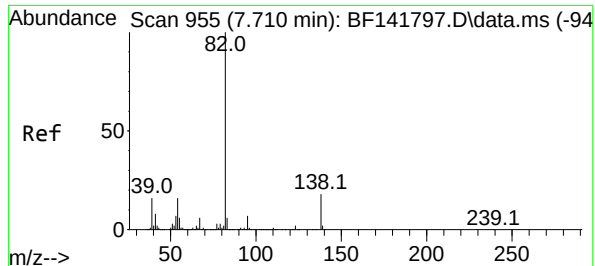
Ion Ratio Lower Upper

77 100

123 41.5 35.8 53.8

65 13.9 11.2 16.8





#25

Isophorone

Concen: 5.221 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 197960

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.8

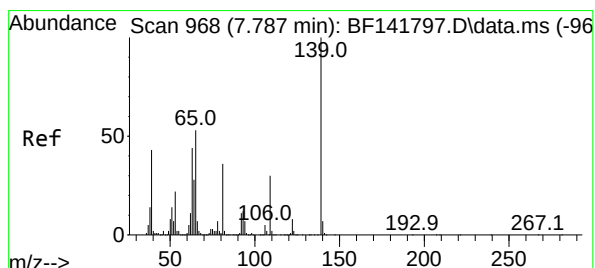
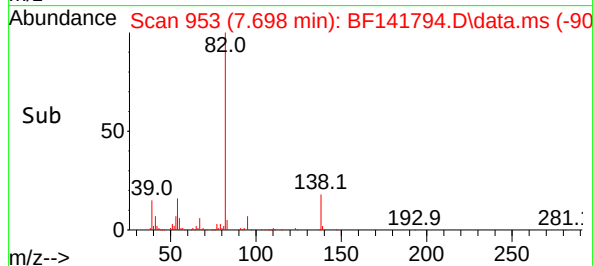
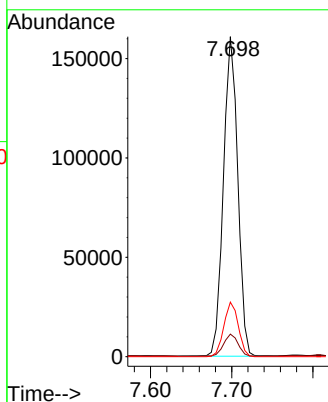
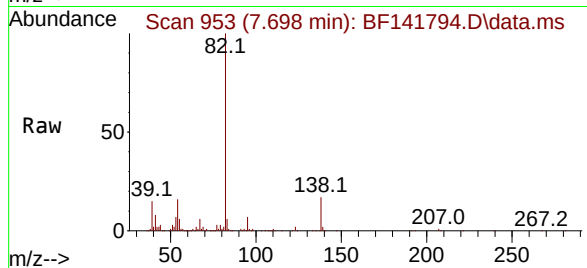
138 17.0 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#26

2-Nitrophenol

Concen: 6.947 ng

RT: 7.781 min Scan# 967

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

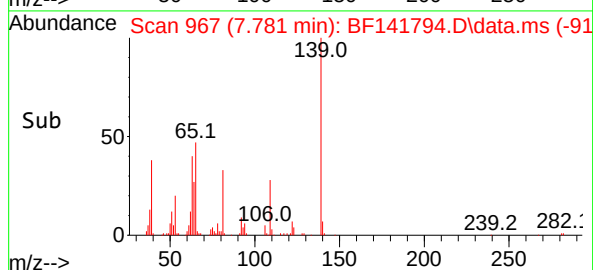
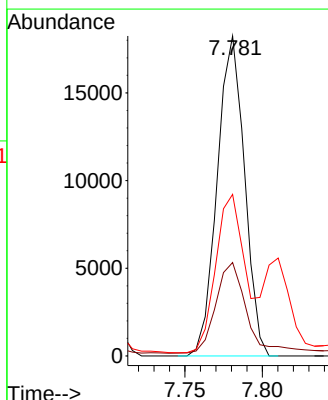
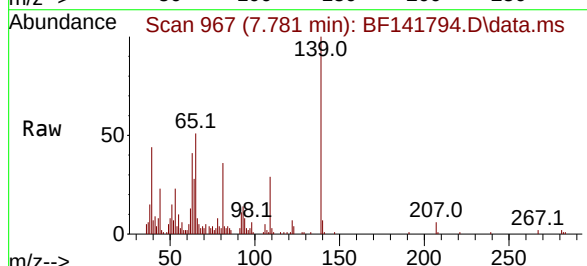
Tgt Ion:139 Resp: 22354

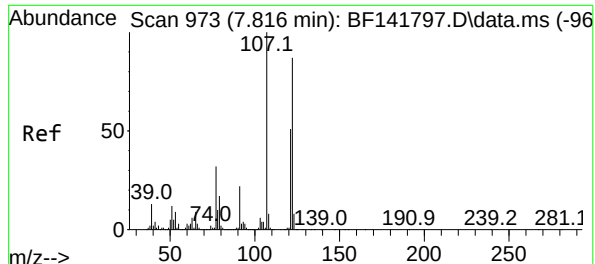
Ion Ratio Lower Upper

139 100

109 29.2 24.1 36.1

65 50.5 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 5.211 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141794.D

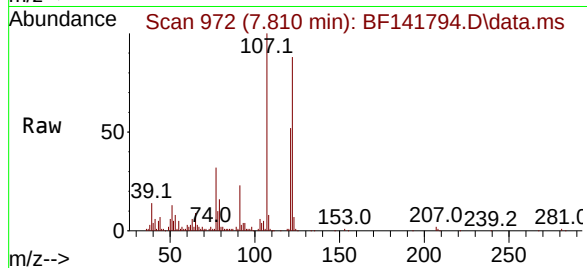
Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



Tgt Ion:122 Resp: 7263

Ion Ratio Lower Upper

122 100

107 113.3 92.5 138.7

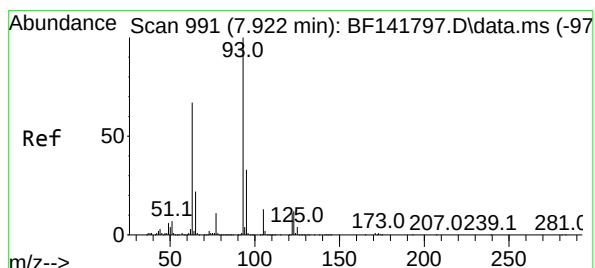
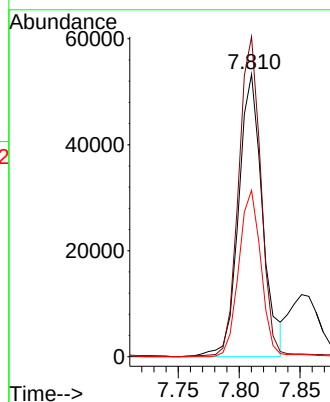
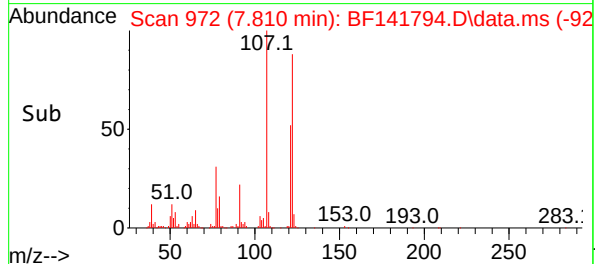
121 59.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.395 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

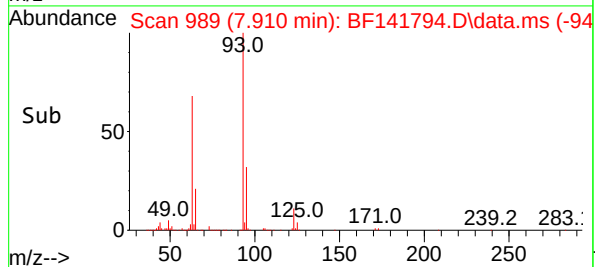
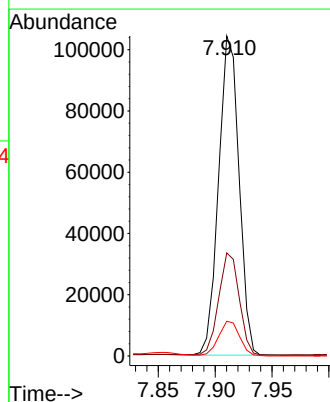
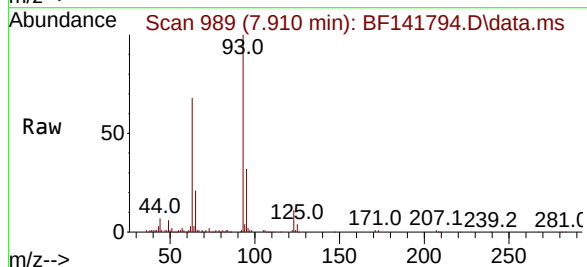
Tgt Ion: 93 Resp: 130473

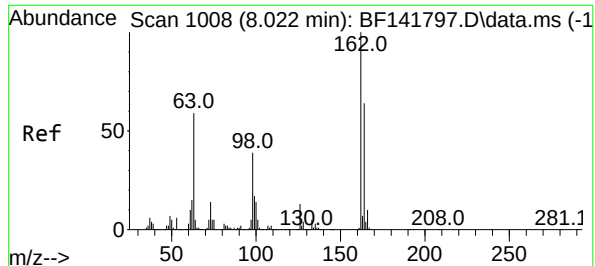
Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

123 10.9 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 4.914 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

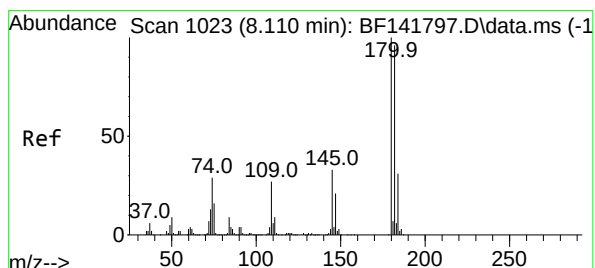
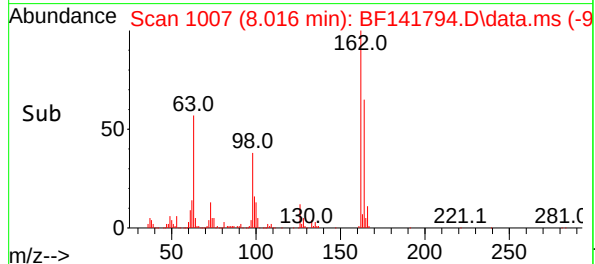
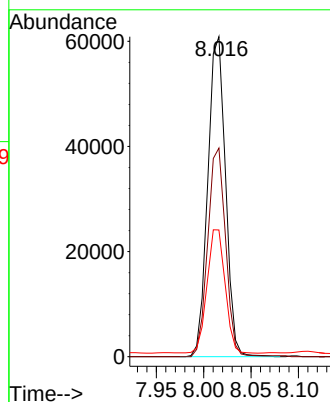
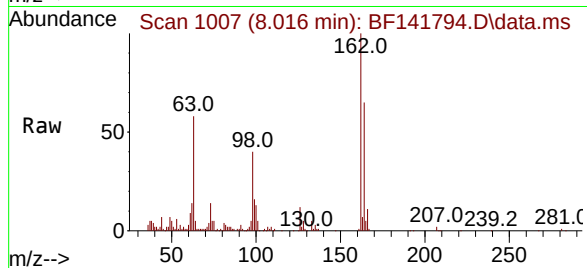
SSTDICC005

Tgt Ion:	162	Resp:	79000
Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.3	84.3
98	39.6	19.6	59.6

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 5.244 ng

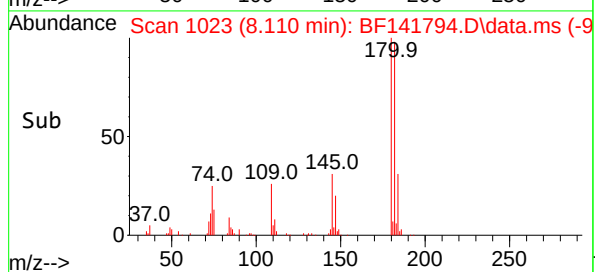
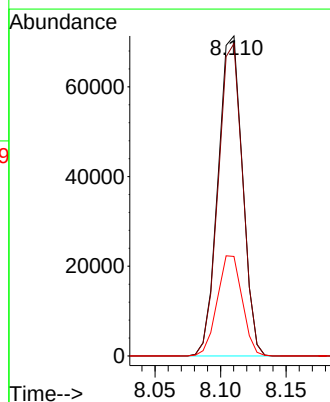
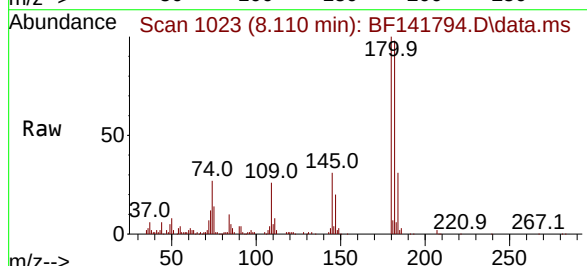
RT: 8.110 min Scan# 1023

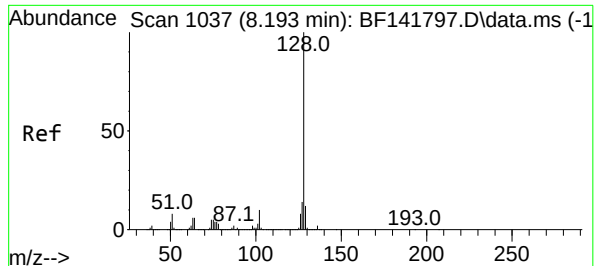
Delta R.T. -0.000 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

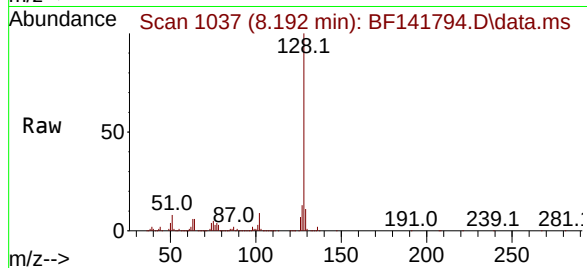
Tgt Ion:	180	Resp:	92399
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.8	115.2
145	31.1	26.4	39.6





#31
Naphthalene
Concen: 5.546 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

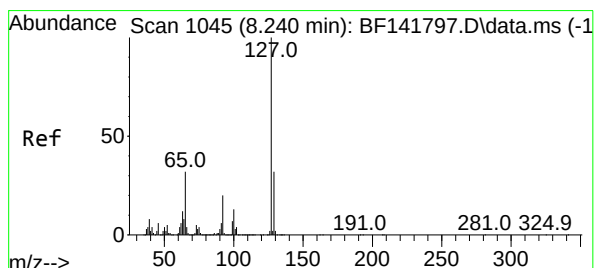
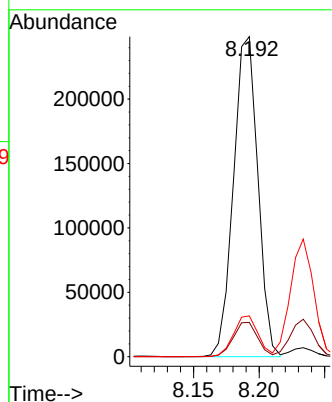
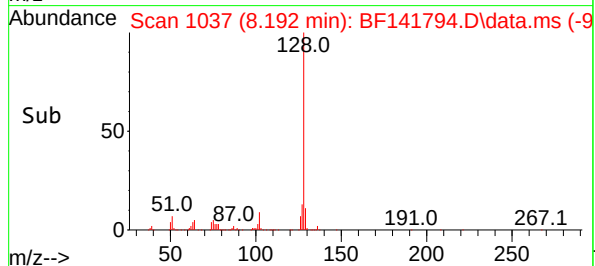
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 321540
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 12.8 11.0 16.4

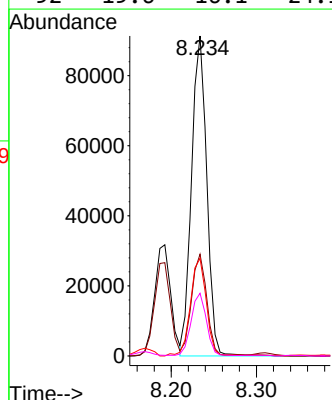
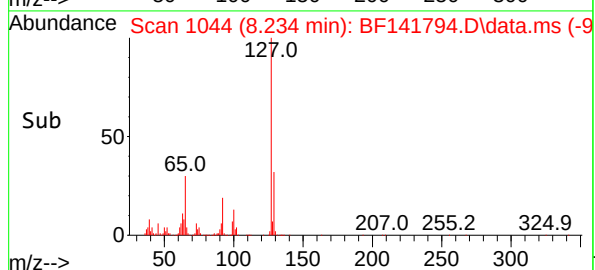
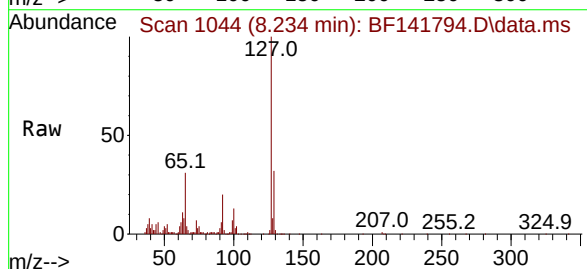
Manual Integrations
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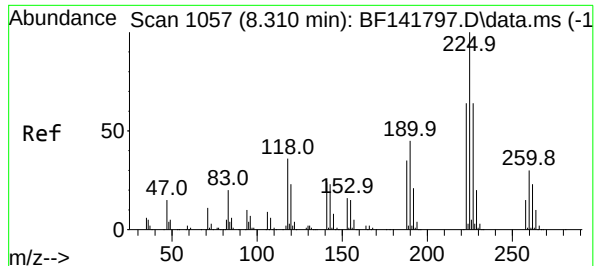
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

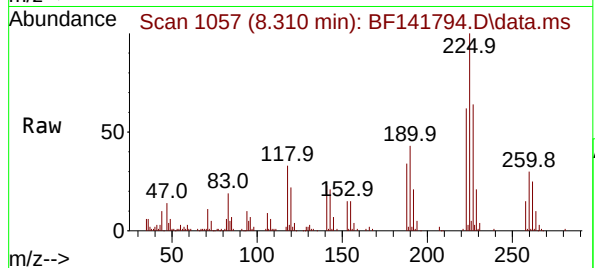
Tgt Ion:127 Resp: 113407
Ion Ratio Lower Upper
127 100
129 31.8 26.1 39.1
65 30.5 25.7 38.5
92 19.6 16.1 24.1





#34
Hexachlorobutadiene
Concen: 5.134 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

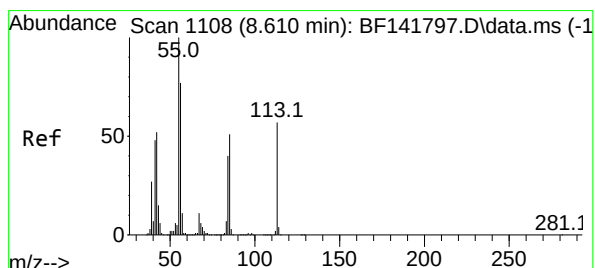
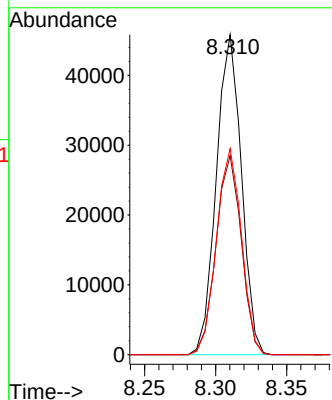
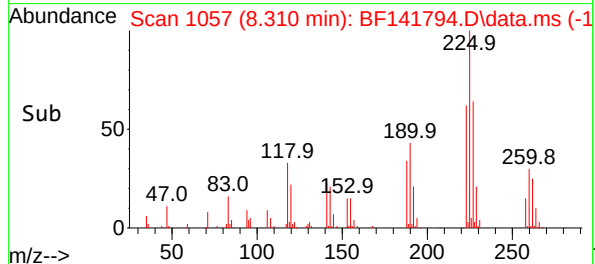
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:225 Resp: 56205
Ion Ratio Lower Upper
225 100
223 62.2 51.4 77.2
227 64.4 51.6 77.4

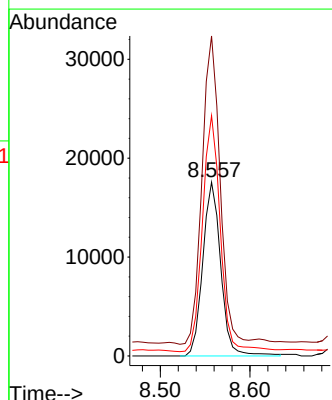
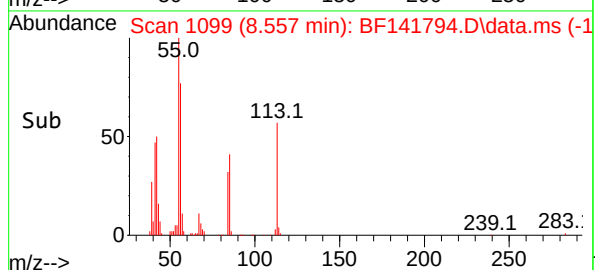
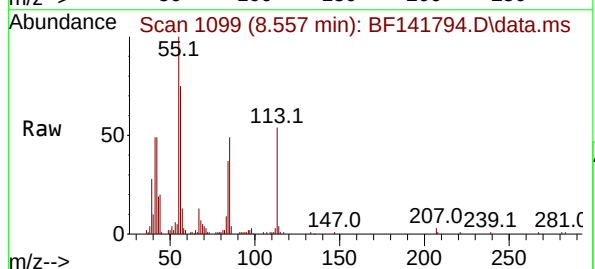
Manual Integrations
APPROVED

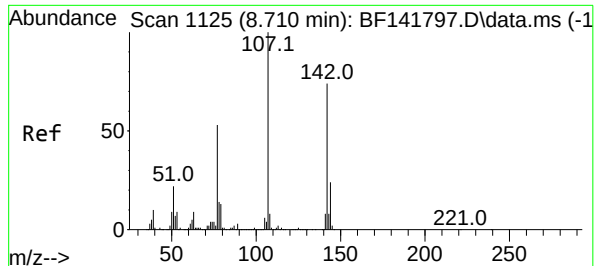
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:113 Resp: 24467
Ion Ratio Lower Upper
113 100
55 184.1 155.6 195.6
56 138.2 114.6 154.6





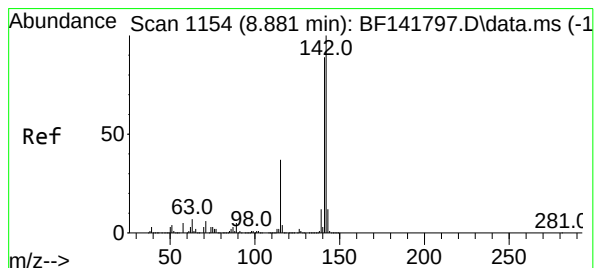
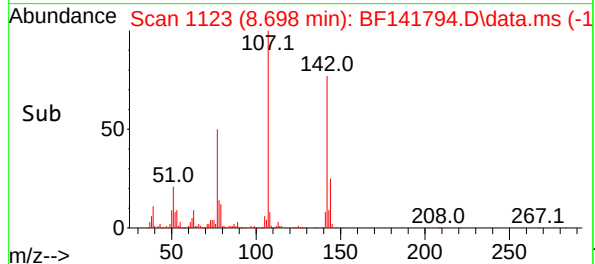
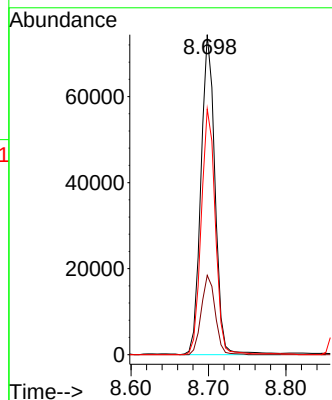
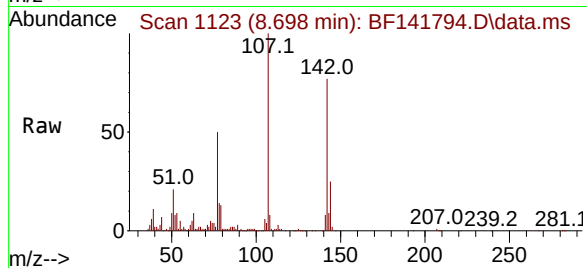
#36
4-Chloro-3-methylphenol
Concen: 5.262 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 9398
Ion Ratio Lower Upper
107 100
144 24.8 19.4 29.0
142 76.8 59.4 89.0

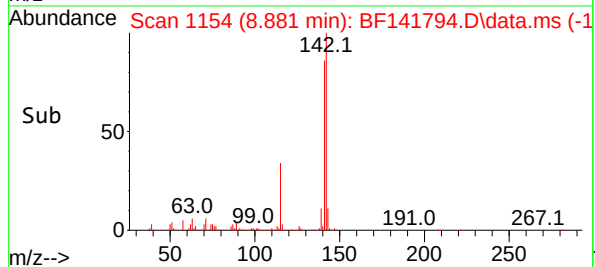
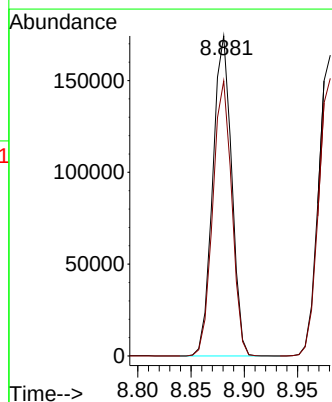
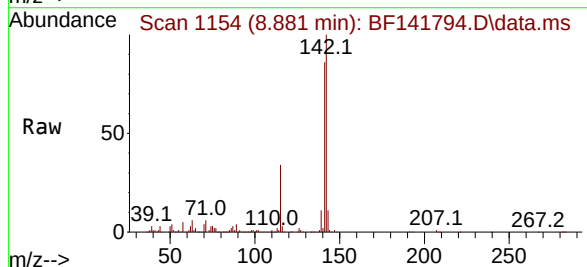
Manual Integrations
APPROVED

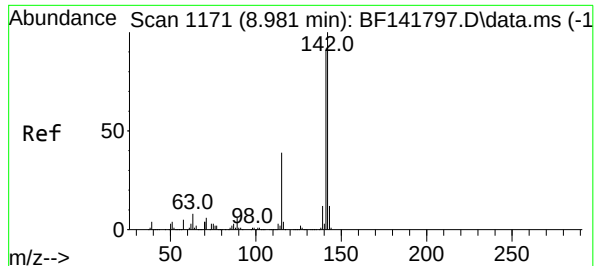
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

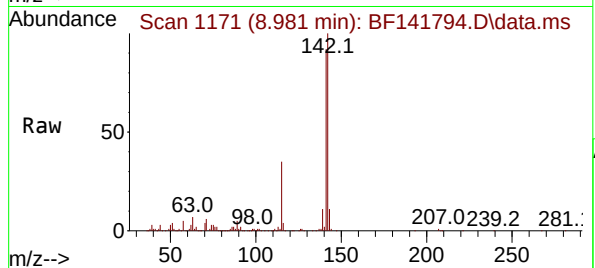
Tgt Ion:142 Resp: 214971
Ion Ratio Lower Upper
142 100
141 86.0 71.1 106.7





#38
1-Methylnaphthalene
Concen: 5.676 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

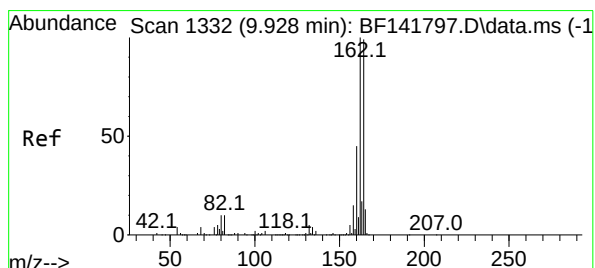
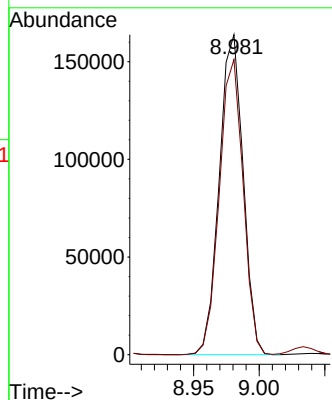
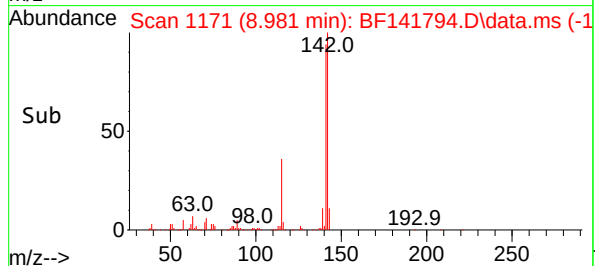
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:142 Resp: 207097
Ion Ratio Lower Upper
142 100
141 92.3 73.1 109.7

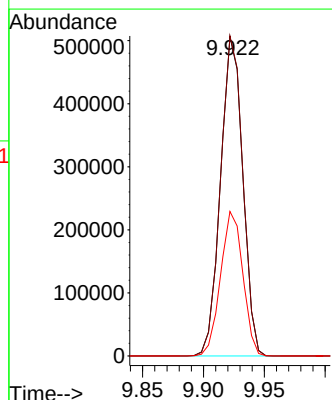
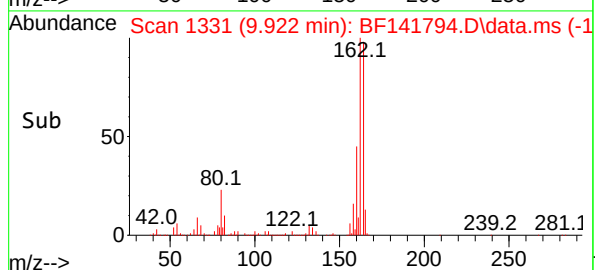
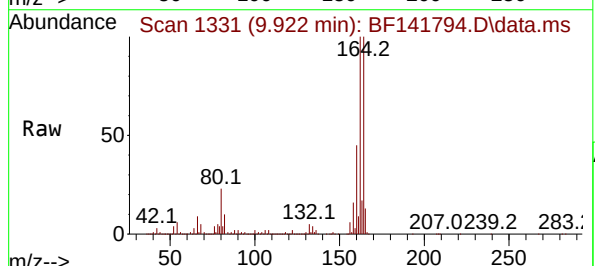
Manual Integrations
APPROVED

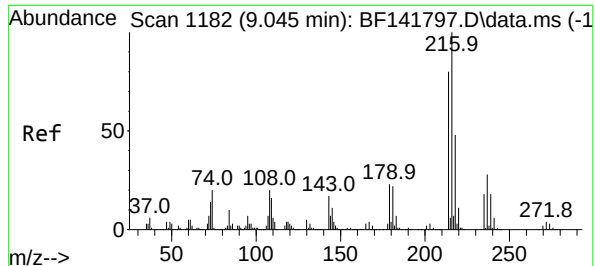
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:164 Resp: 643922
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 45.3 36.3 54.5





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.275 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 98100

Ion Ratio Lower Upper

216 100

214 77.2 63.5 95.3

179 21.5 18.1 27.1

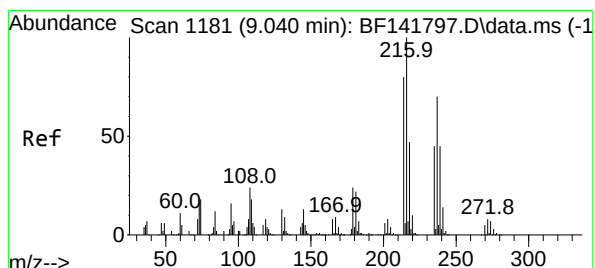
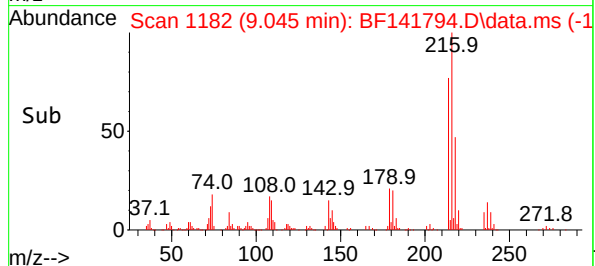
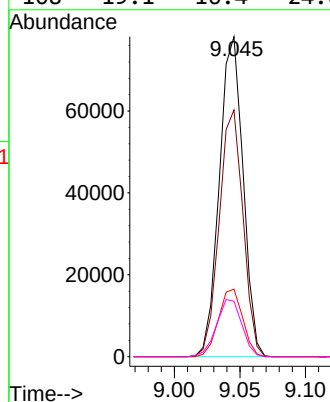
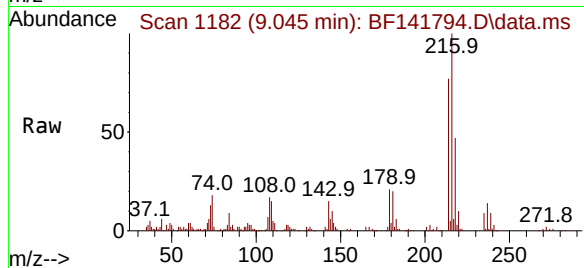
108 19.1 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#41

Hexachlorocyclopentadiene

Concen: 4.508 ng

RT: 9.034 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

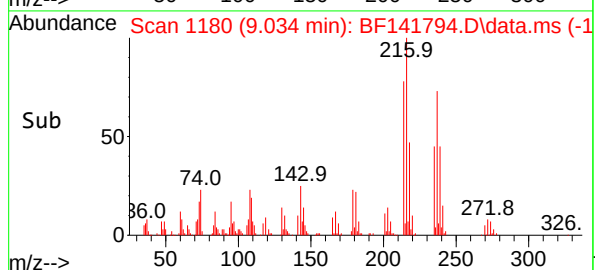
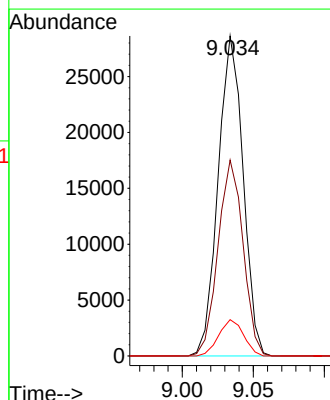
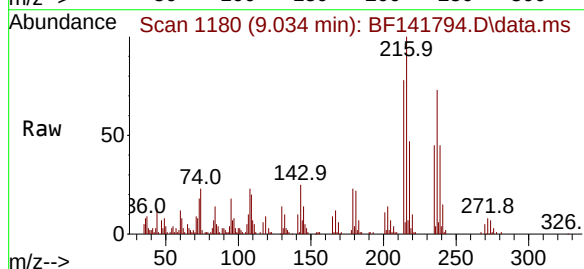
Tgt Ion:237 Resp: 34990

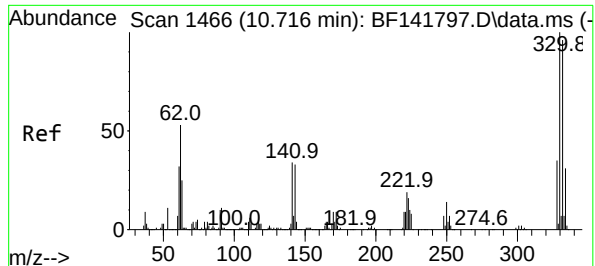
Ion Ratio Lower Upper

237 100

235 61.2 43.3 83.3

272 11.4 0.0 31.9





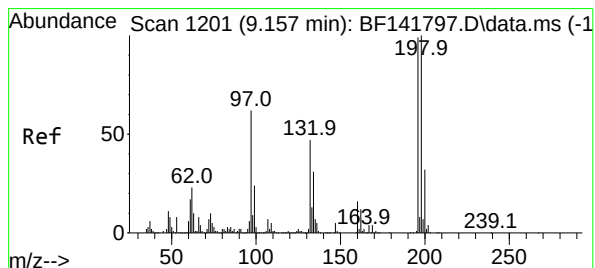
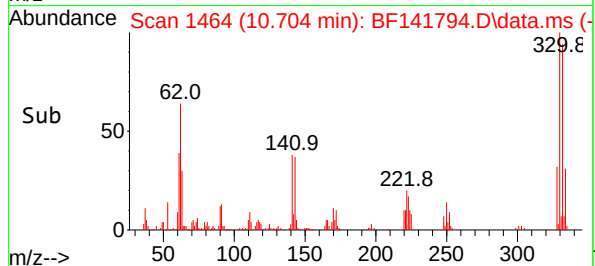
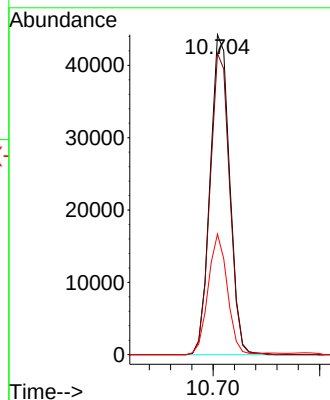
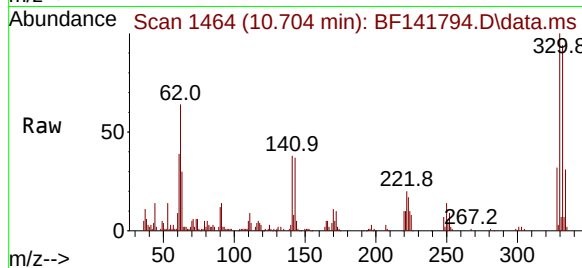
#42
2,4,6-Tribromophenol
Concen: 9.331 ng
RT: 10.704 min Scan# 1466
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 56400
Ion Ratio Lower Upper
330 100
332 94.6 76.6 115.0
141 37.1 29.0 43.4

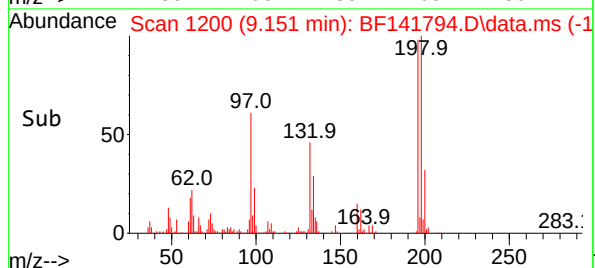
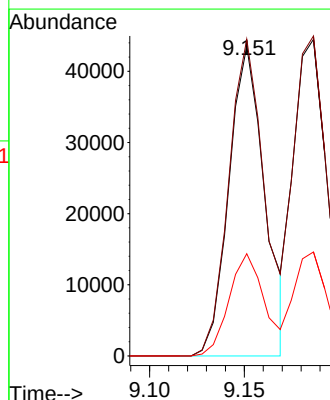
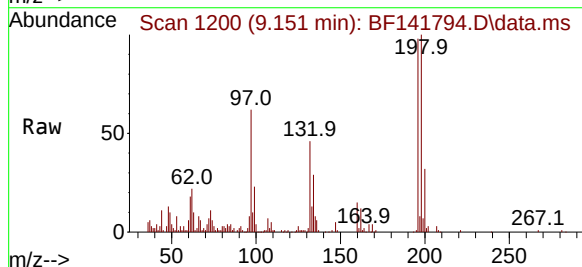
Manual Integrations
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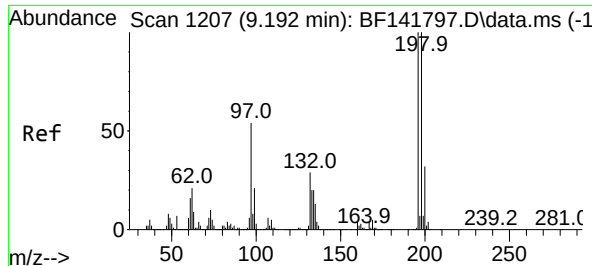
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

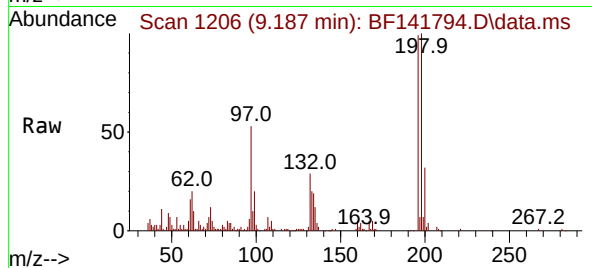
Tgt Ion:196 Resp: 57097
Ion Ratio Lower Upper
196 100
198 102.2 80.4 120.6
200 33.0 25.7 38.5





#44
2,4,5-Trichlorophenol
Concen: 4.706 ng
RT: 9.187 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

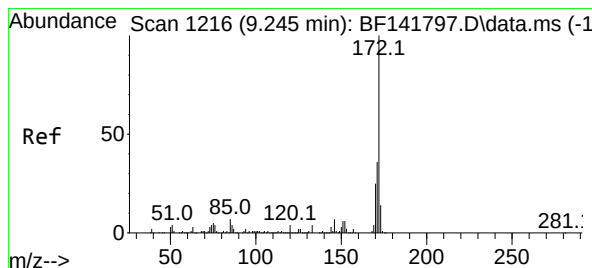
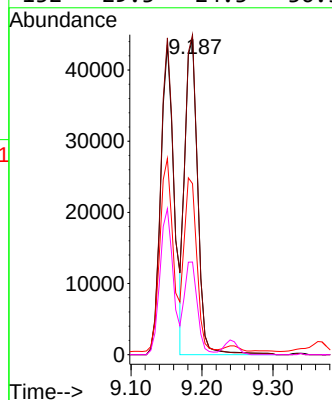
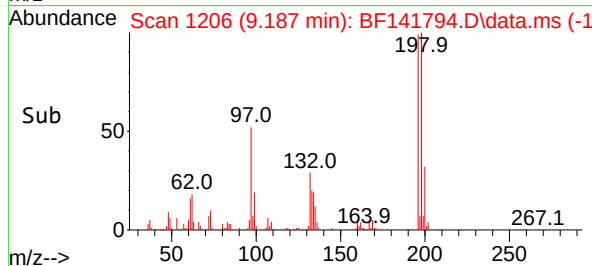
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:196 Resp: 55979
Ion Ratio Lower Upper
196 100
198 101.1 79.7 119.5
97 54.0 44.2 66.2
132 29.3 24.3 36.5

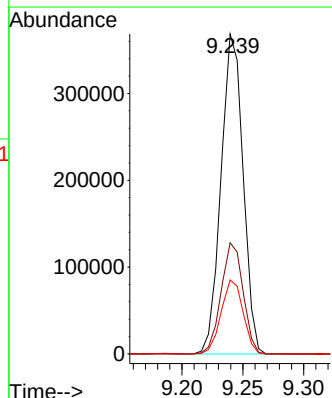
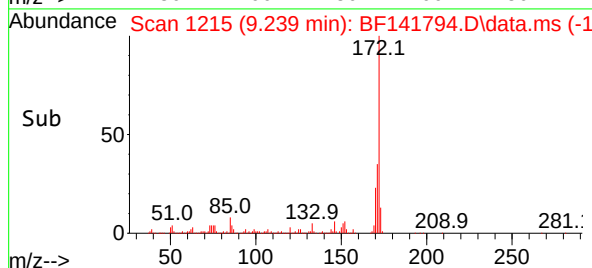
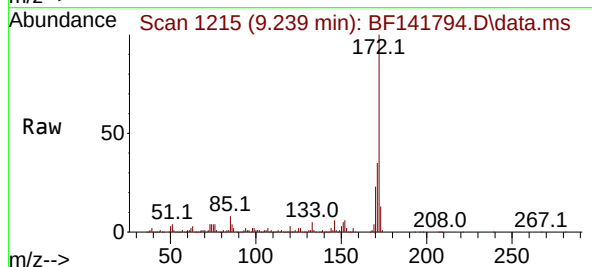
Manual Integrations
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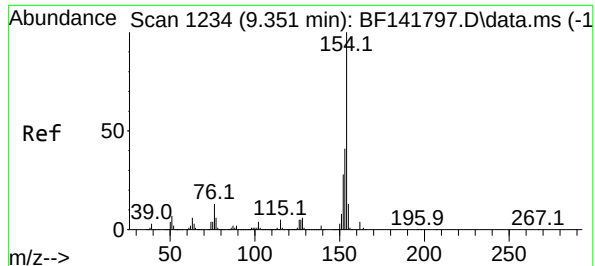
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:172 Resp: 464621
Ion Ratio Lower Upper
172 100
171 34.7 29.2 43.8
170 23.2 19.7 29.5





#46

1,1'-Biphenyl

Concen: 5.563 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:154 Resp: 272648

Ion Ratio Lower Upper

154 100

153 39.4 21.4 61.4

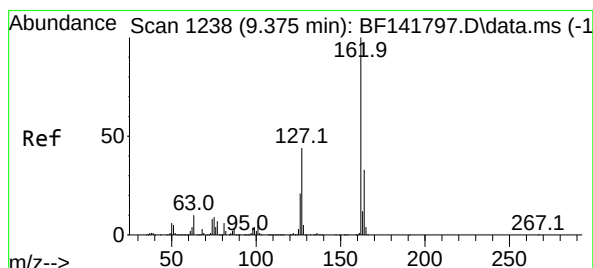
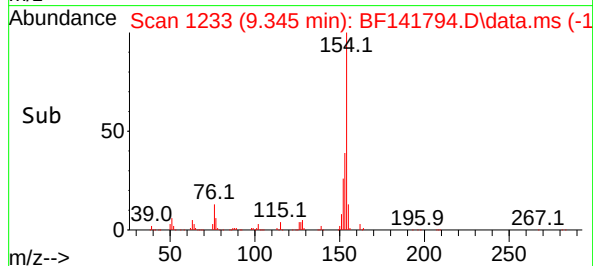
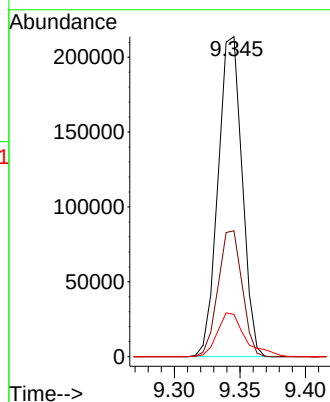
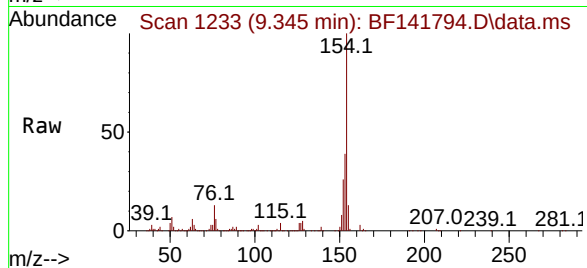
76 13.2 0.0 33.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#47

2-Chloronaphthalene

Concen: 5.388 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

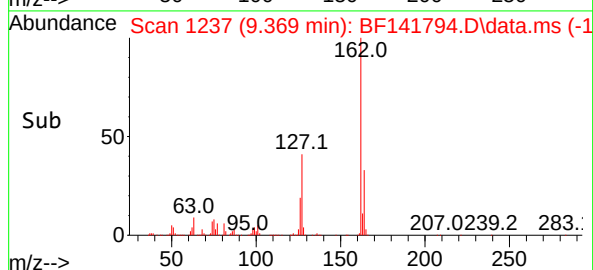
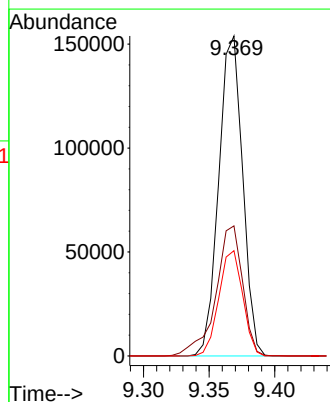
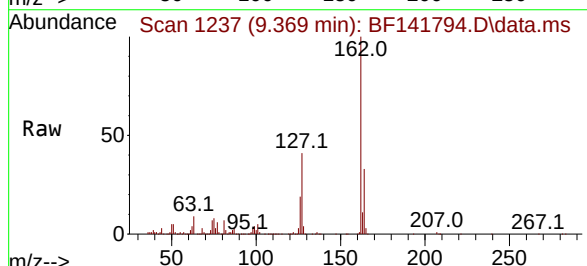
Tgt Ion:162 Resp: 194915

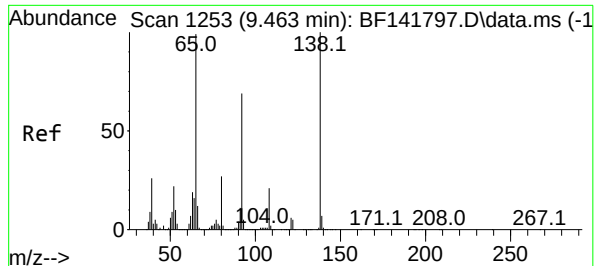
Ion Ratio Lower Upper

162 100

127 40.7 35.0 52.6

164 32.9 26.6 40.0





#48

2-Nitroaniline

Concen: 6.586 ng

RT: 9.457 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 65 Resp: 2446

Ion Ratio Lower Upper

65 100

92 72.3 55.7 83.5

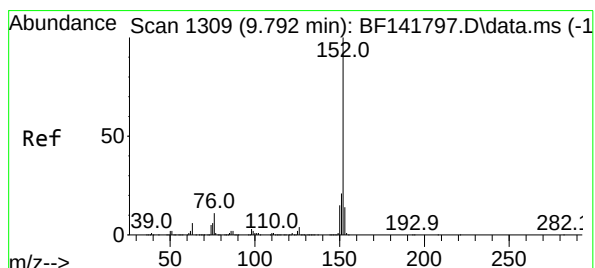
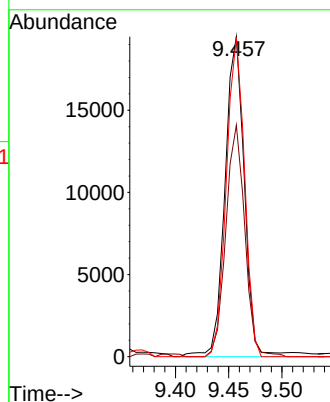
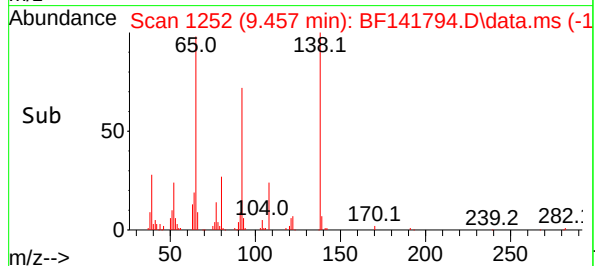
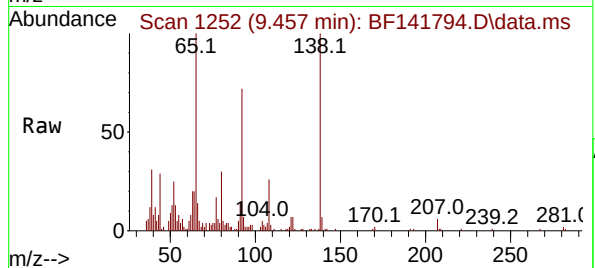
138 99.8 80.6 121.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#49

Acenaphthylene

Concen: 5.481 ng

RT: 9.781 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

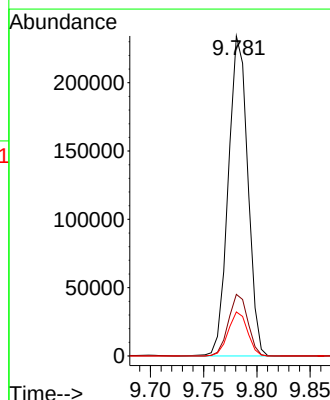
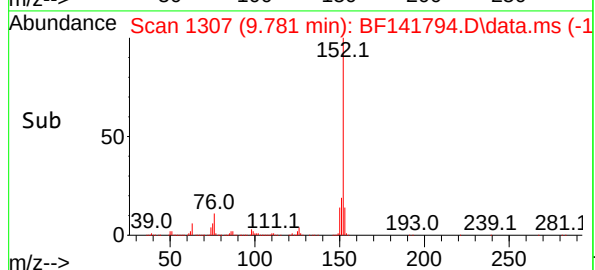
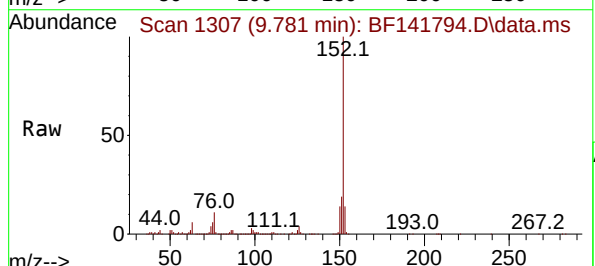
Tgt Ion:152 Resp: 297257

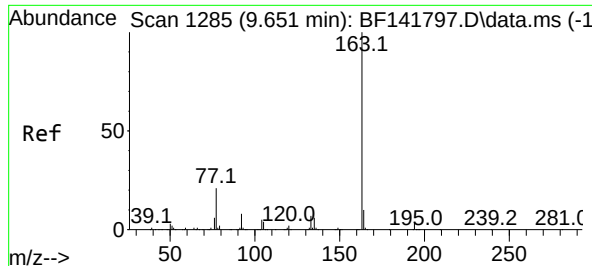
Ion Ratio Lower Upper

152 100

151 19.2 16.6 24.8

153 13.8 11.2 16.8





#50

Dimethylphthalate

Concen: 5.344 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:163 Resp: 23042

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

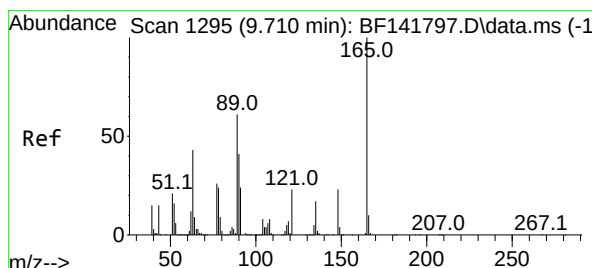
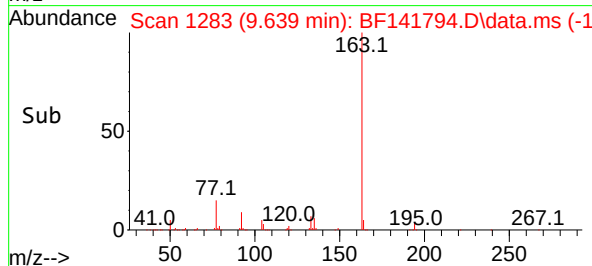
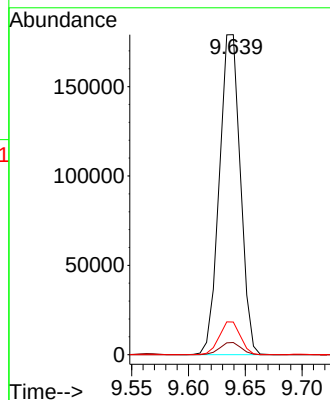
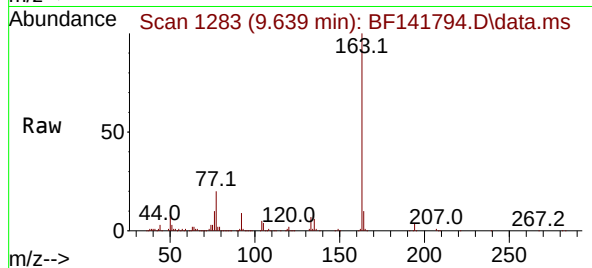
164 10.2 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#51

2,6-Dinitrotoluene

Concen: 5.327 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

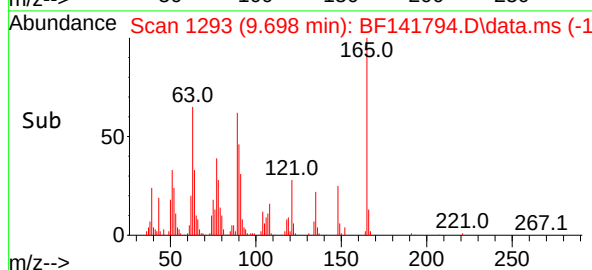
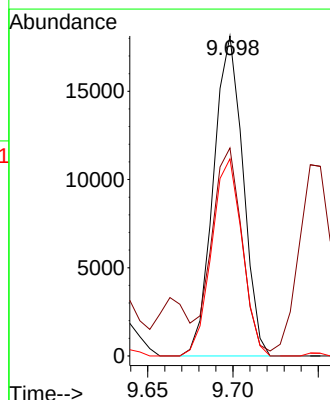
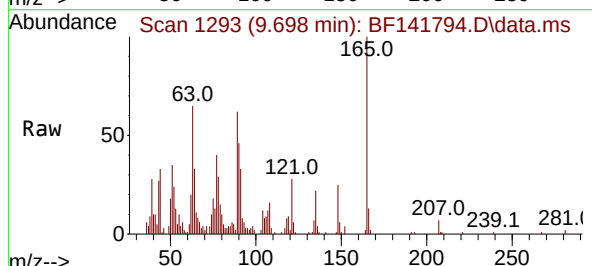
Tgt Ion:165 Resp: 21902

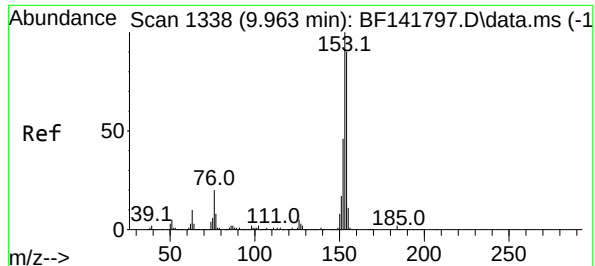
Ion Ratio Lower Upper

165 100

63 65.0 49.5 74.3

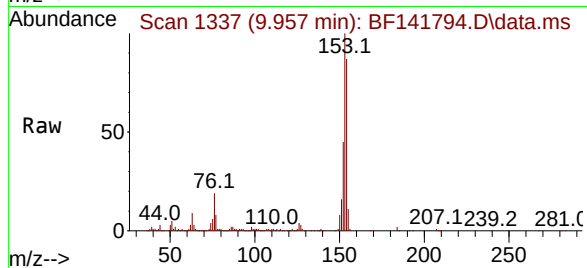
89 61.6 49.0 73.4





#52
Acenaphthene
Concen: 5.353 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

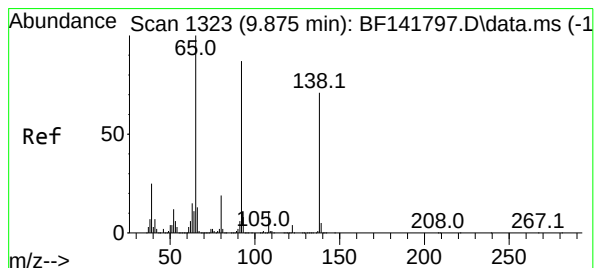
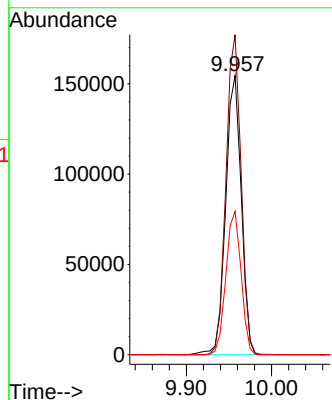
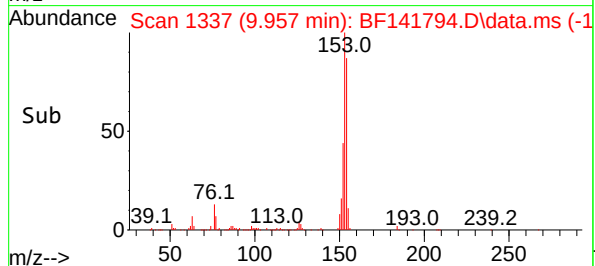
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 195912
Ion Ratio Lower Upper
154 100
153 114.6 88.7 133.1
152 51.4 40.9 61.3

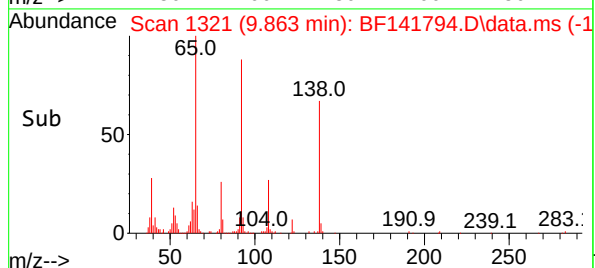
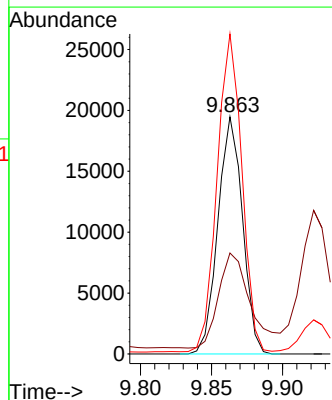
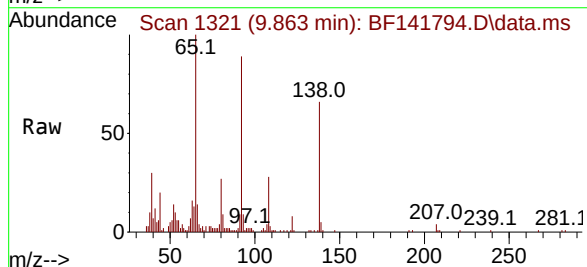
Manual Integrations
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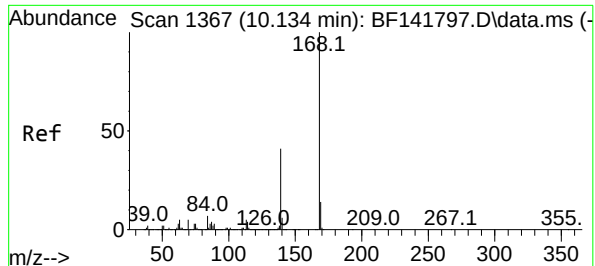
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:138 Resp: 23458
Ion Ratio Lower Upper
138 100
108 42.5 12.7 19.1#
92 134.9 97.9 146.9





#55

Dibenzenofuran

Concen: 5.590 ng

RT: 10.128 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:168 Resp: 297750

Ion Ratio Lower Upper

168 100

139 38.1 32.9 49.3

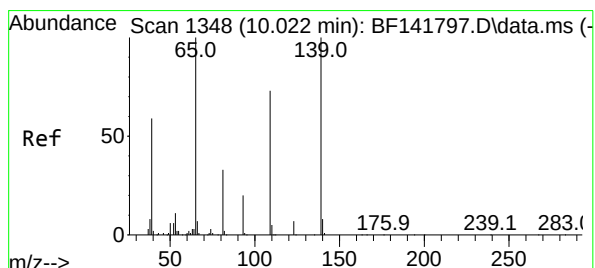
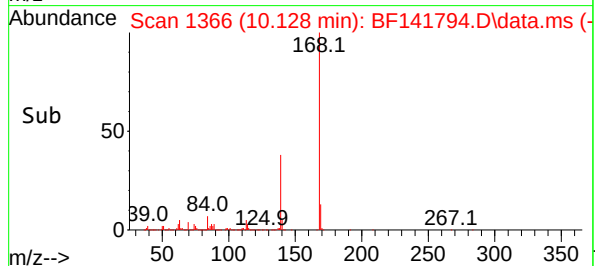
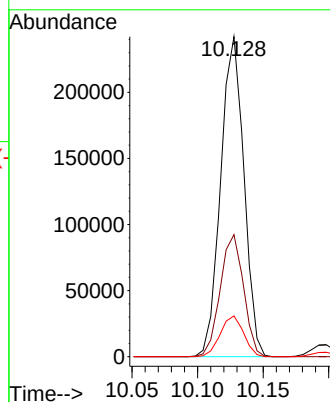
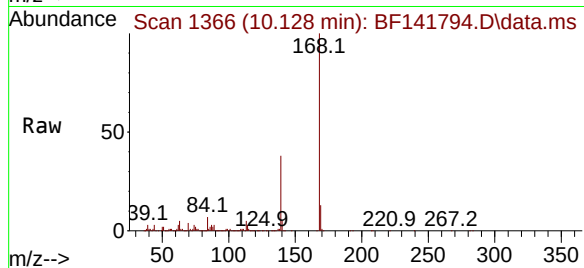
169 12.8 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#56

4-Nitrophenol

Concen: 3.272 ng

RT: 10.004 min Scan# 1345

Delta R.T. -0.018 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

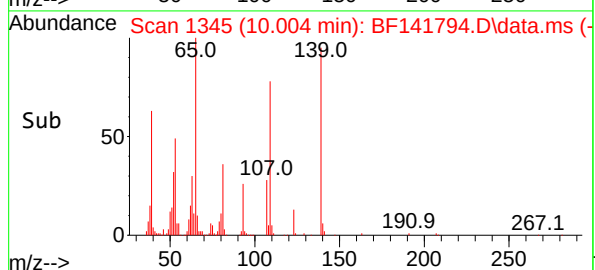
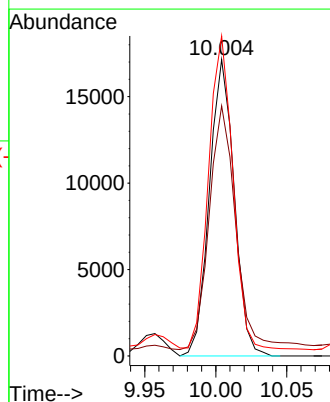
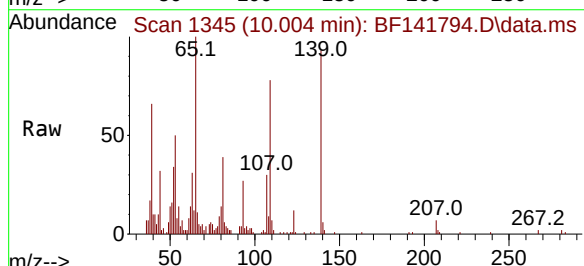
Tgt Ion:139 Resp: 20838

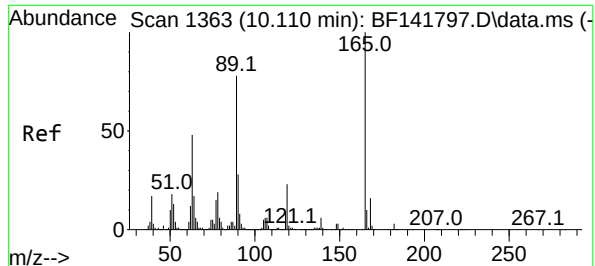
Ion Ratio Lower Upper

139 100

109 84.4 53.4 93.4

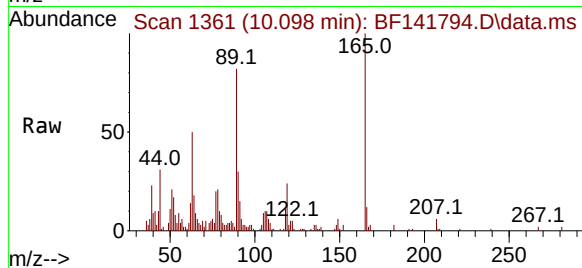
65 107.9 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 5.755 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

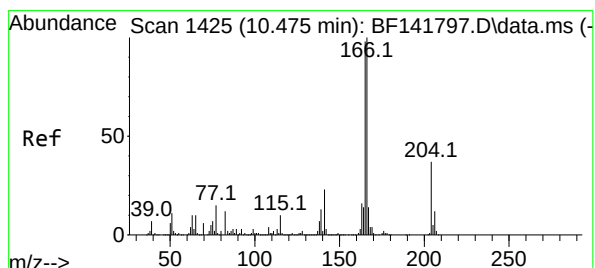
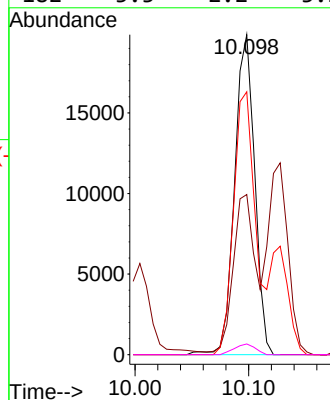
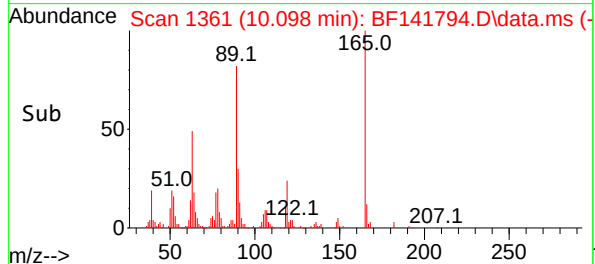
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



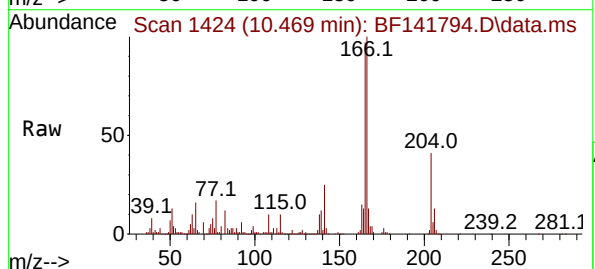
Tgt Ion:165 Resp: 2425
Ion Ratio Lower Upper
165 100
63 50.0 38.8 58.2
89 82.2 62.6 94.0
182 3.3 2.2 3.2#

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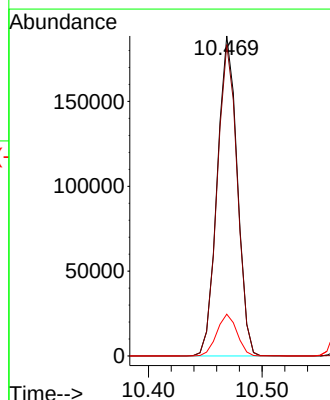
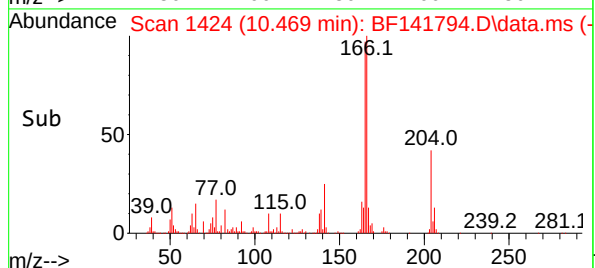
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

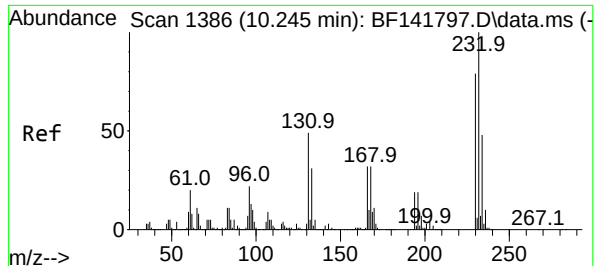


#58
Fluorene
Concen: 5.782 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



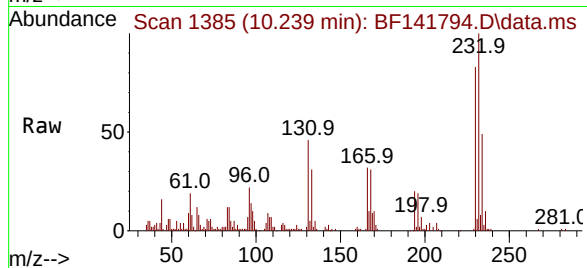
Tgt Ion:166 Resp: 230713
Ion Ratio Lower Upper
166 100
165 97.3 78.6 117.8
167 13.0 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.873 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

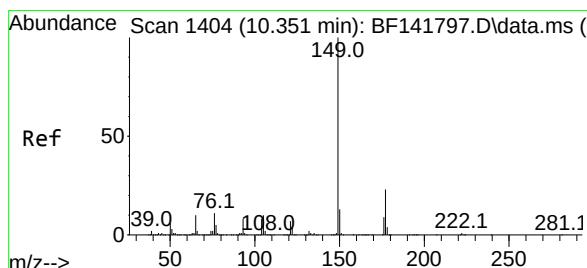
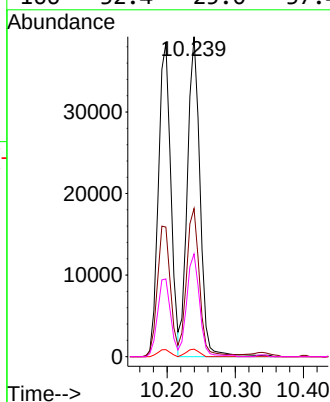
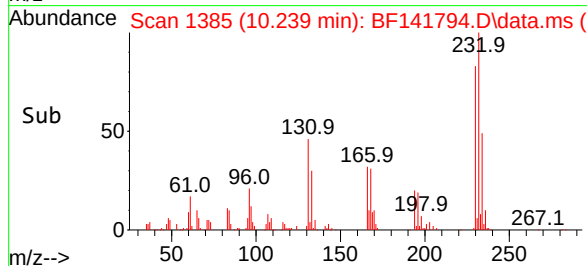
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



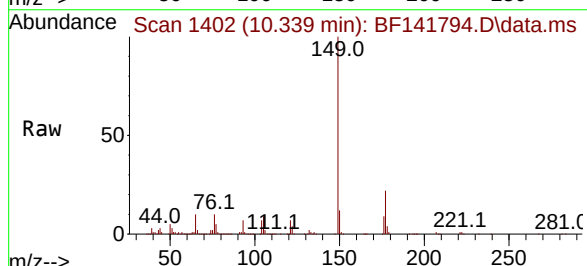
Tgt Ion:232 Resp: 5041
Ion Ratio Lower Upper
232 100
131 47.2 37.8 56.8
130 2.4 2.0 3.0
166 32.4 25.0 37.4

Manual Integrations
APPROVED

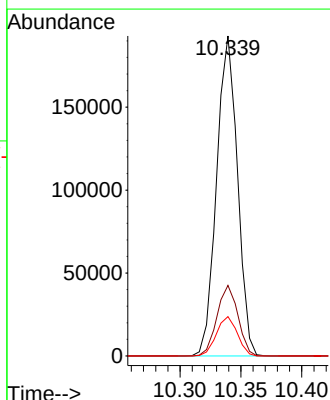
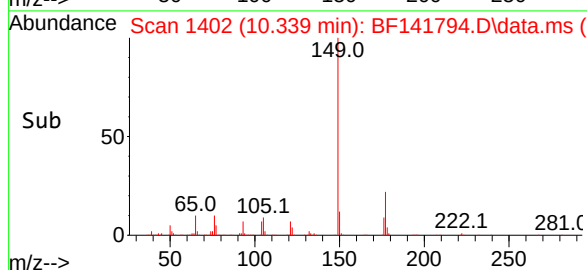
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

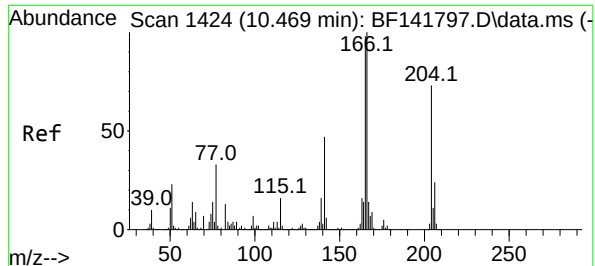


#60
Diethylphthalate
Concen: 5.322 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



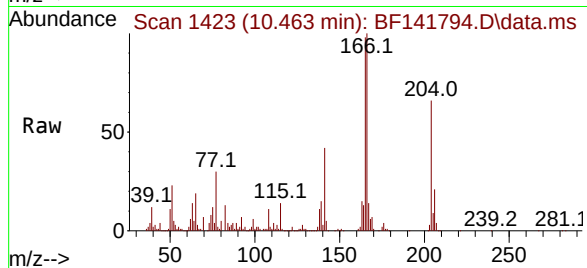
Tgt Ion:149 Resp: 230060
Ion Ratio Lower Upper
149 100
177 22.1 18.3 27.5
150 12.3 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 5.561 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

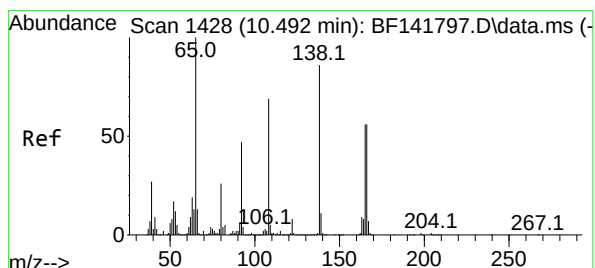
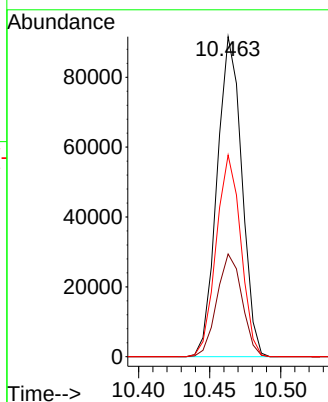
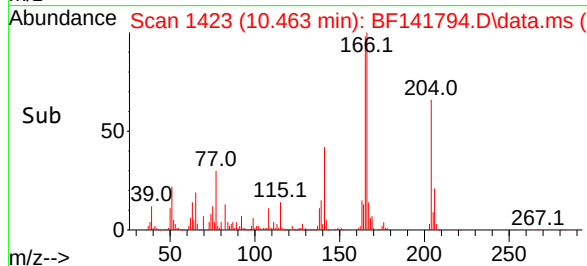
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:204 Resp: 111169
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.4
141 63.0 51.7 77.5

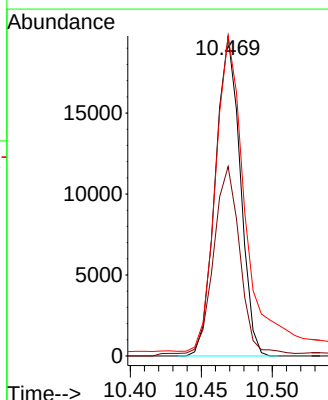
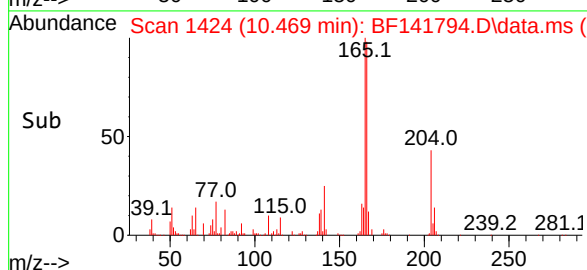
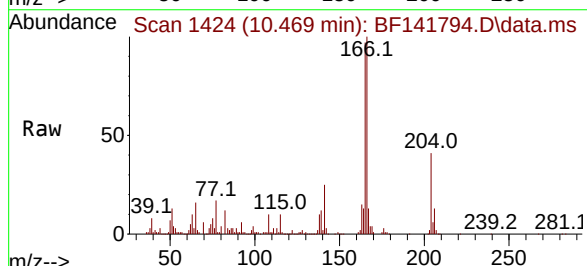
Manual Integrations
APPROVED

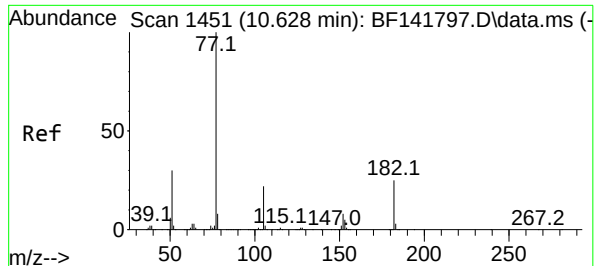
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

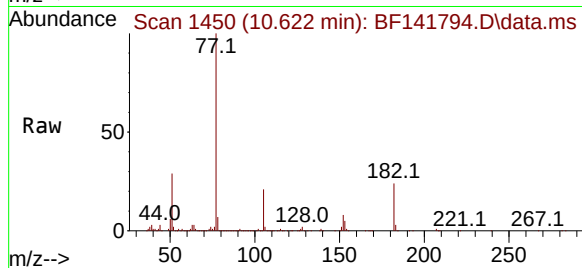
Tgt Ion:138 Resp: 24006
Ion Ratio Lower Upper
138 100
92 59.3 34.9 74.9
108 100.2 59.6 99.6#





#63
Azobenzene
Concen: 5.460 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

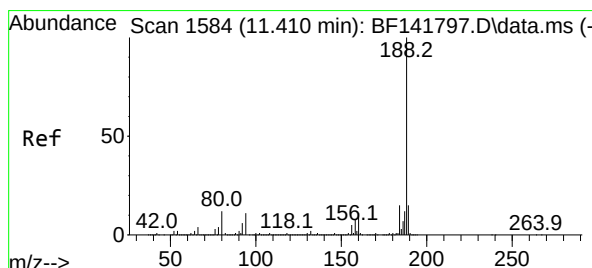
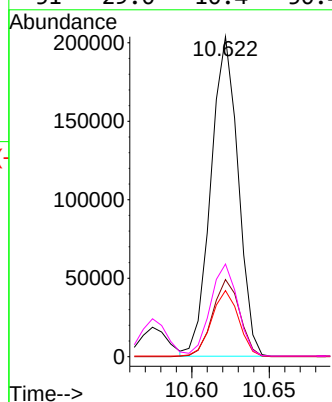
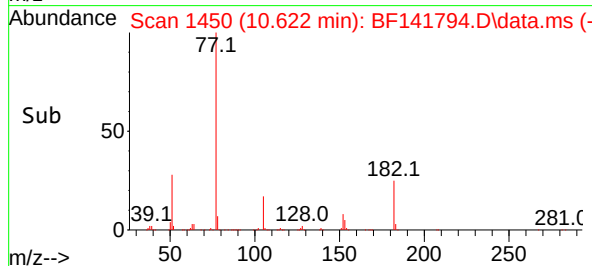
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



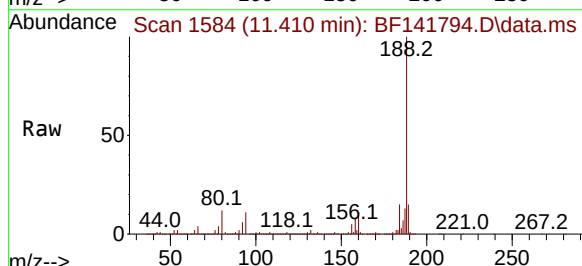
Tgt Ion: 77 Resp: 248519
Ion Ratio Lower Upper
77 100
182 24.1 4.2 44.2
105 20.7 1.5 41.5
51 29.0 10.4 50.4

Manual Integrations
APPROVED

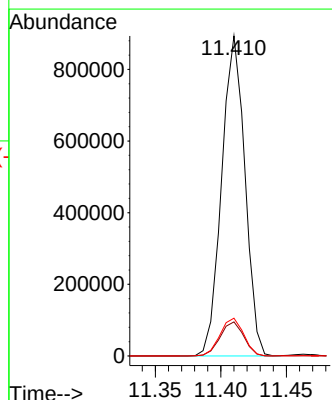
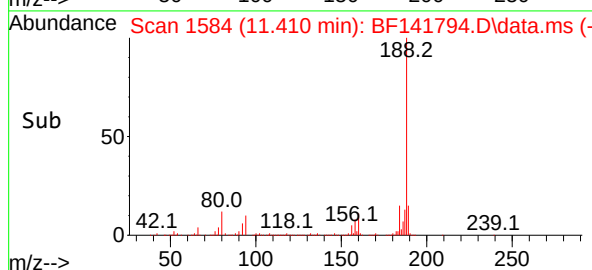
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

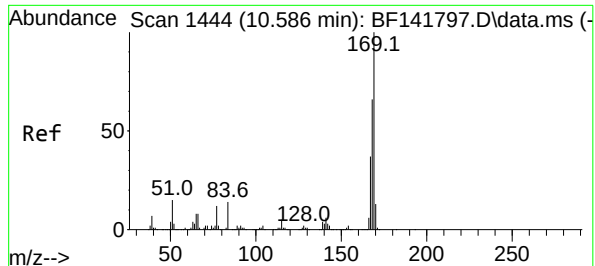


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



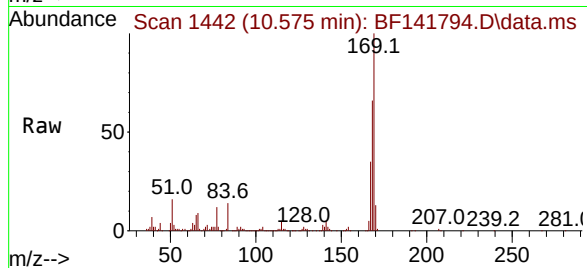
Tgt Ion:188 Resp: 1101046
Ion Ratio Lower Upper
188 100
94 10.6 8.9 13.3
80 11.8 9.7 14.5





#66
n-Nitrosodiphenylamine
Concen: 5.344 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

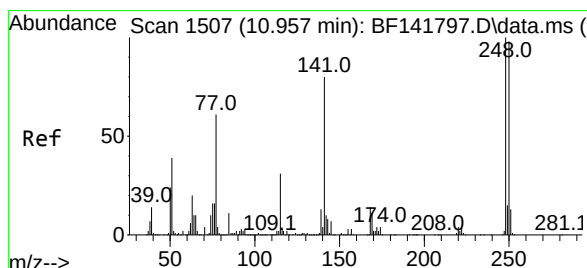
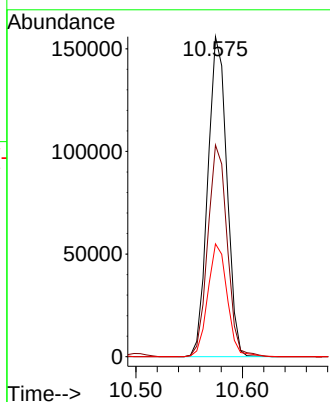
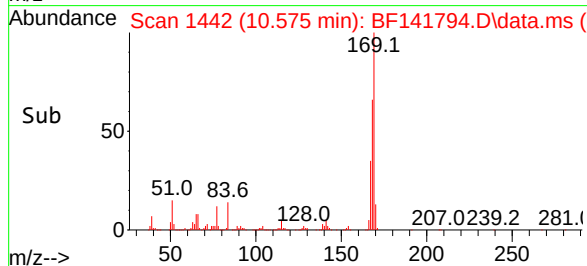
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:169 Resp: 193204
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.6
167 35.2 29.3 43.9

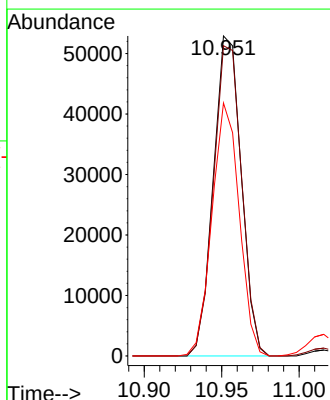
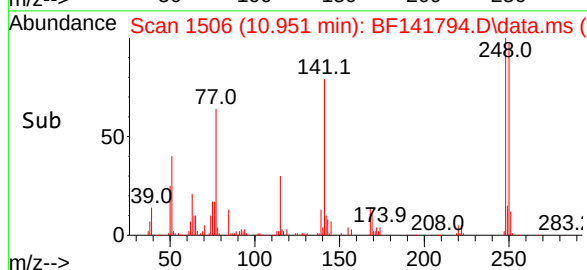
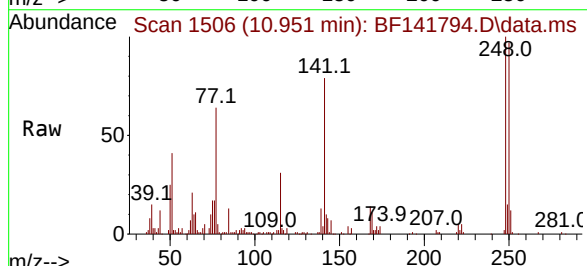
Manual Integrations
APPROVED

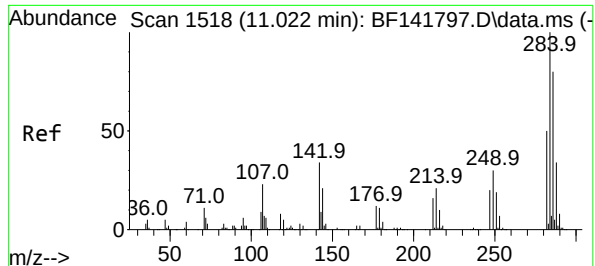
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

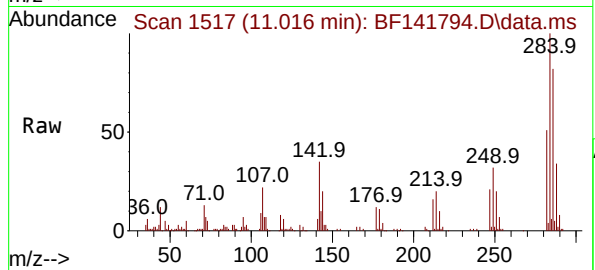
Tgt Ion:248 Resp: 66312
Ion Ratio Lower Upper
248 100
250 97.0 78.1 117.1
141 79.0 64.3 96.5





#68
Hexachlorobenzene
Concen: 5.125 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

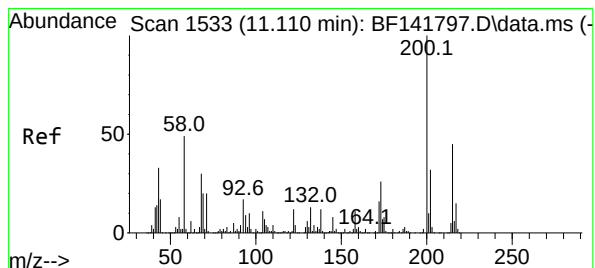
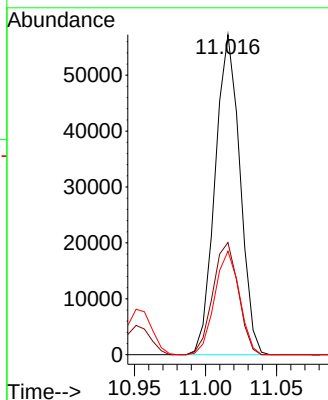
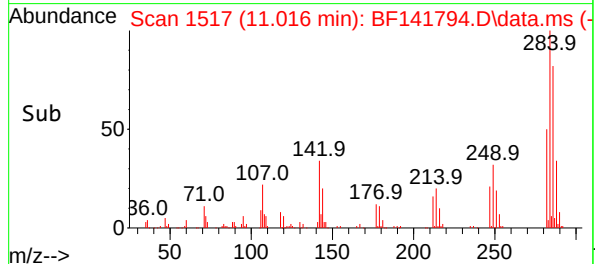
Instrument :
BNA_F
ClientSampleId :
SSTDIC005



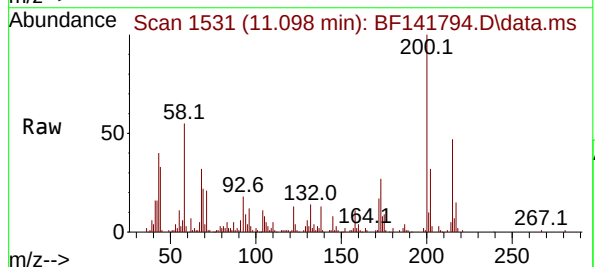
Tgt Ion:284 Resp: 69598
Ion Ratio Lower Upper
284 100
142 35.1 28.2 42.2
249 32.3 25.5 38.3

Manual Integrations
APPROVED

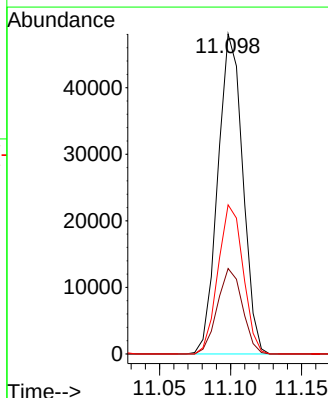
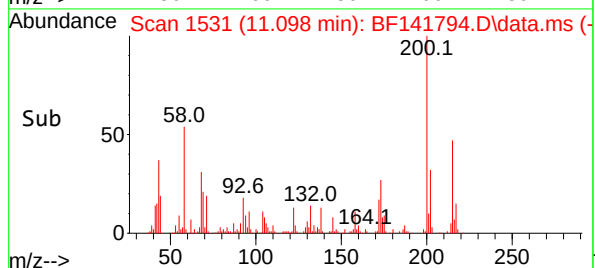
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

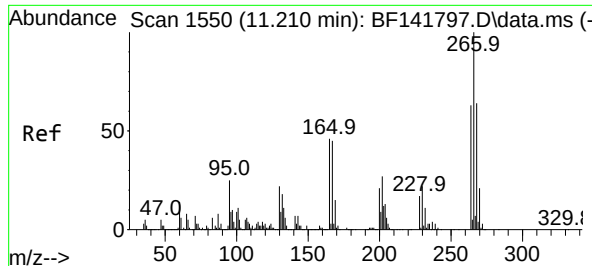


#69
Atrazine
Concen: 5.897 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



Tgt Ion:200 Resp: 58634
Ion Ratio Lower Upper
200 100
173 26.7 5.6 45.6
215 46.6 25.3 65.3





#70

Pentachlorophenol

Concen: 4.373 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:266 Resp: 37669

Ion Ratio Lower Upper

266 100

268 64.3 50.9 76.3

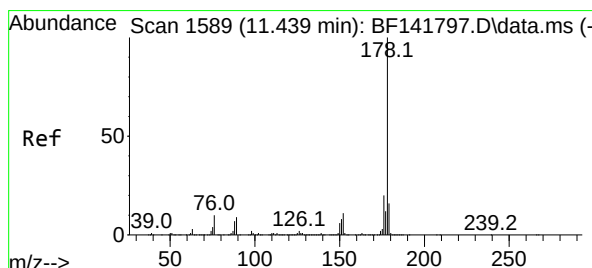
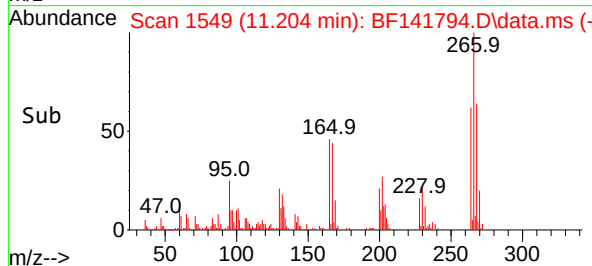
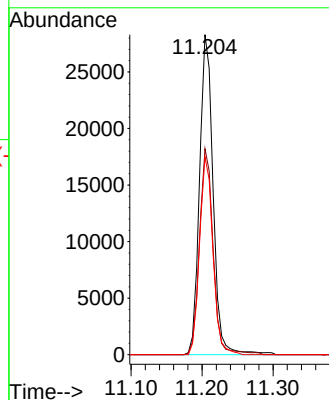
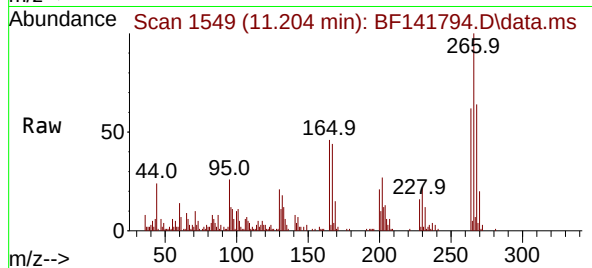
264 61.8 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#71

Phenanthrene

Concen: 5.544 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

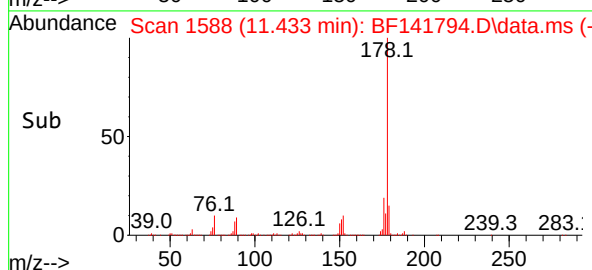
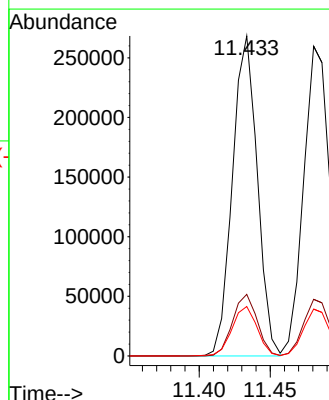
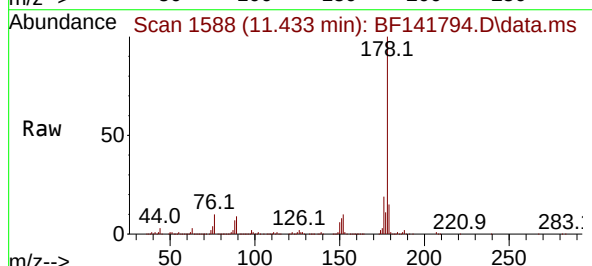
Tgt Ion:178 Resp: 326529

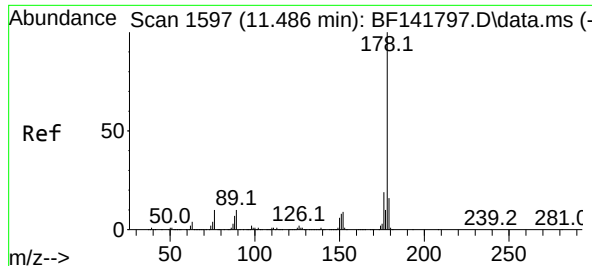
Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

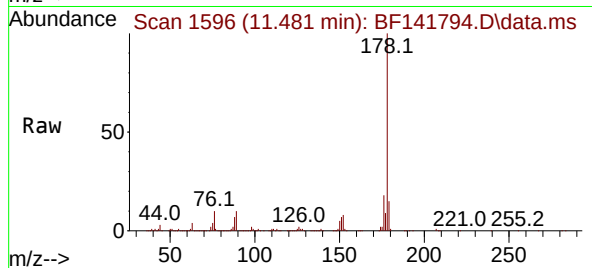
179 15.5 12.6 19.0





#72
Anthracene
Concen: 5.610 ng
RT: 11.481 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

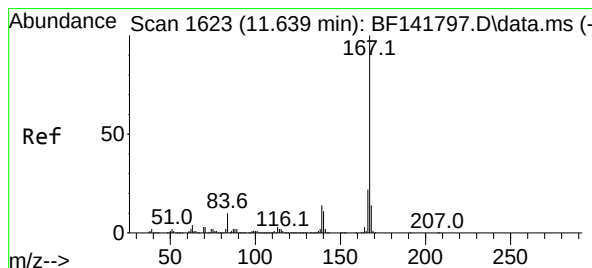
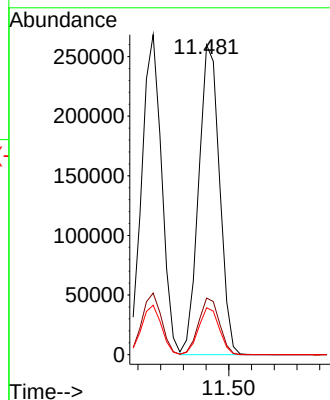
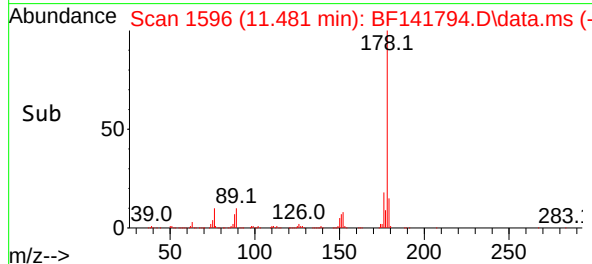
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:178 Resp: 331149
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.2 12.8 19.2

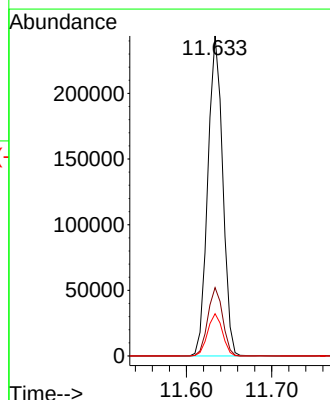
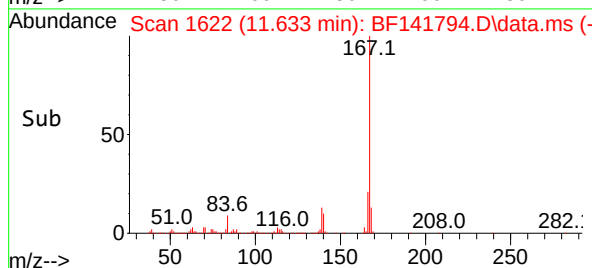
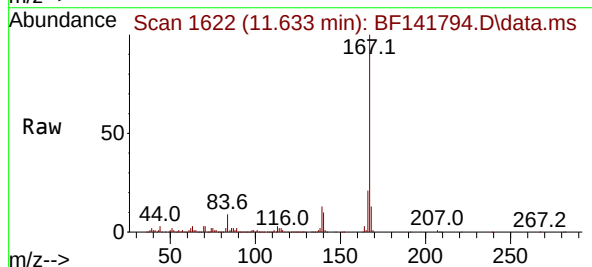
Manual Integrations
APPROVED

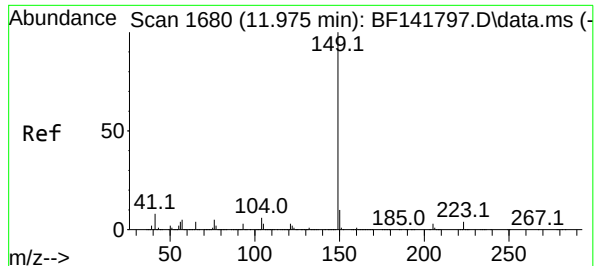
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

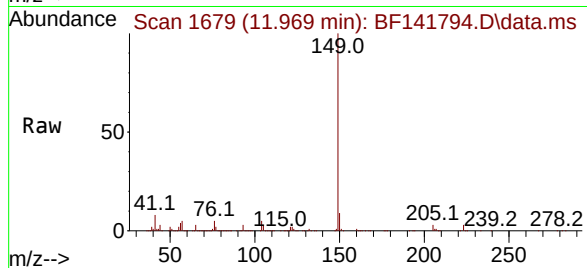
Tgt Ion:167 Resp: 295693
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.2 11.3 16.9





#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

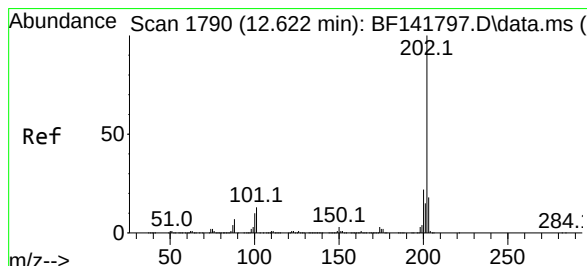
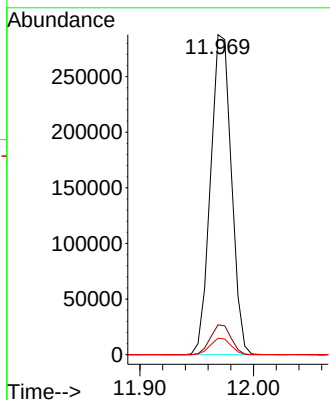
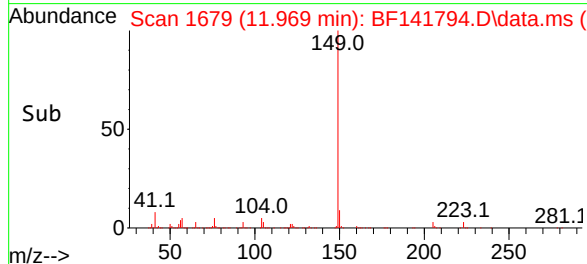
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 367349
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 5.1 4.4 6.6

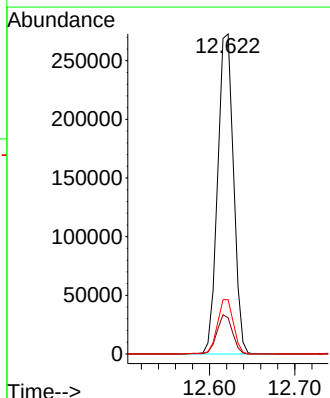
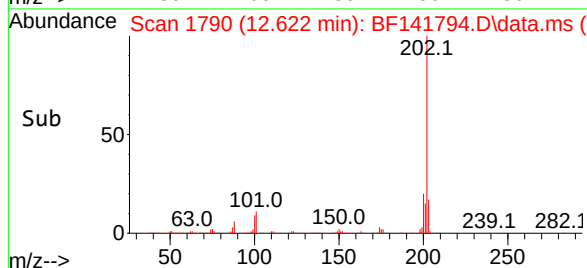
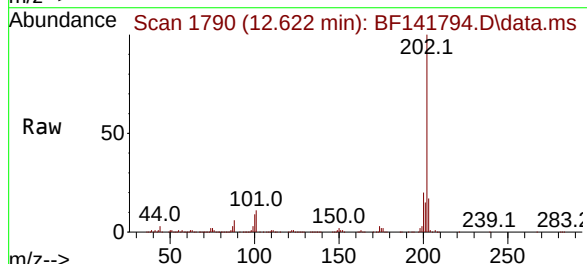
Manual Integrations
APPROVED

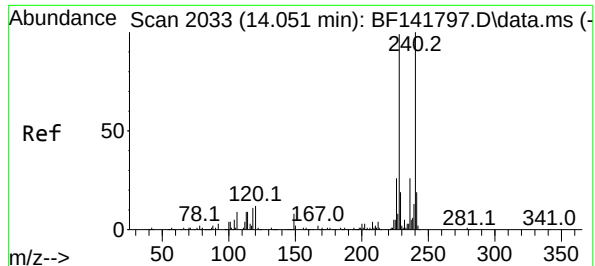
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

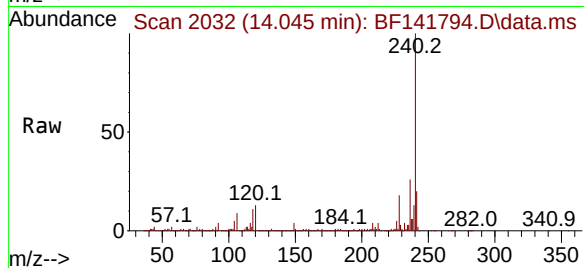
Tgt Ion:202 Resp: 353684
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.8
203 16.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

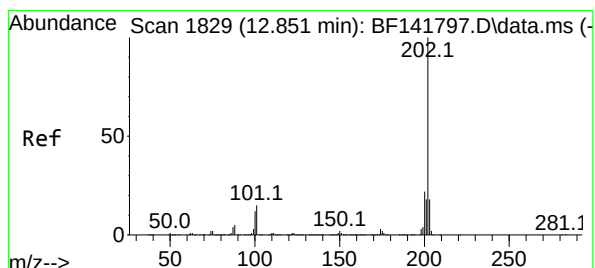
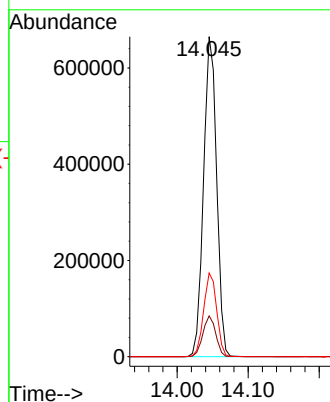
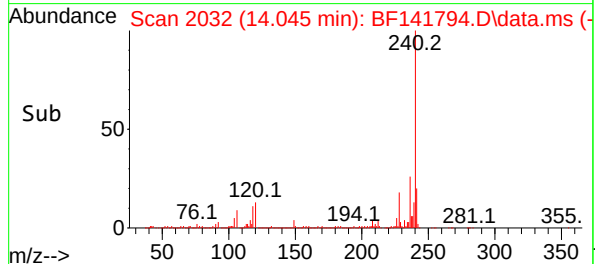
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:240 Resp: 85255
Ion Ratio Lower Upper
240 100
120 12.8 9.7 14.5
236 26.2 21.0 31.4

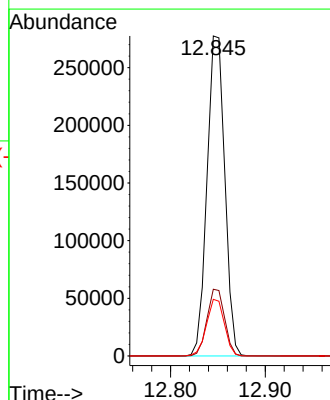
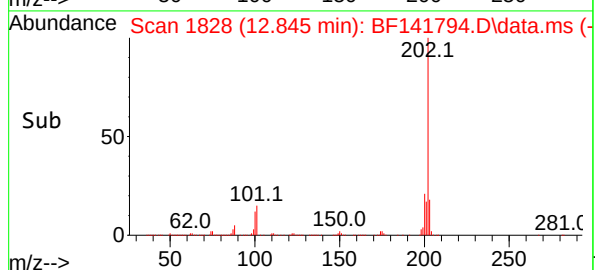
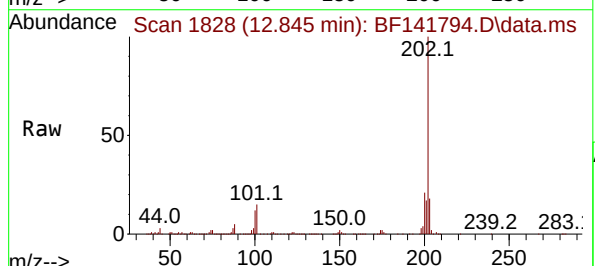
Manual Integrations
APPROVED

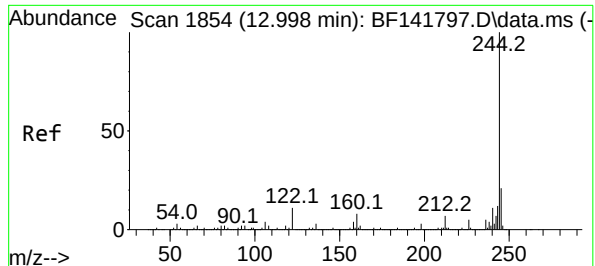
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

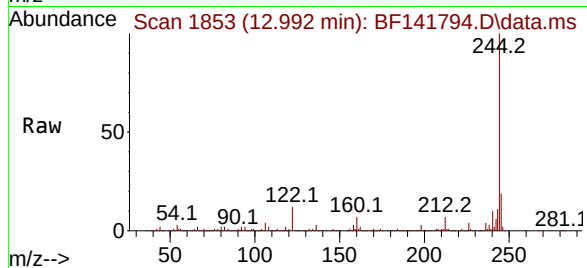
Tgt Ion:202 Resp: 361938
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.0
203 17.7 14.6 22.0





#79
Terphenyl-d14
Concen: 10.112 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

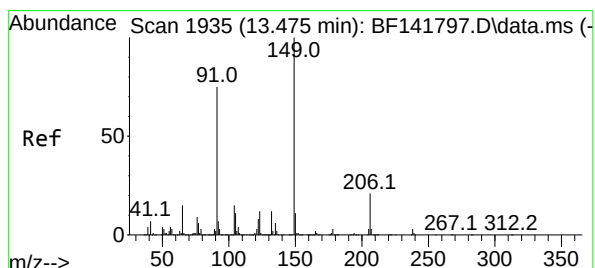
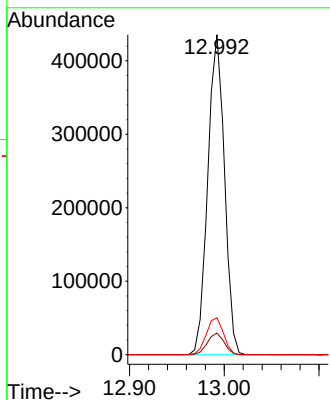
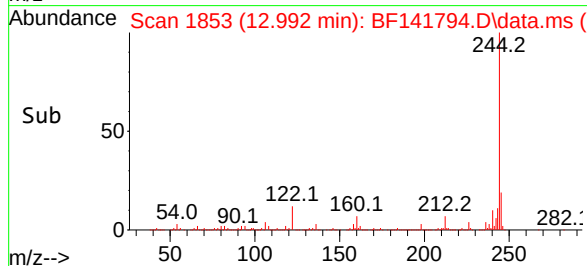
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:244 Resp: 53285
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 11.5 9.0 13.6

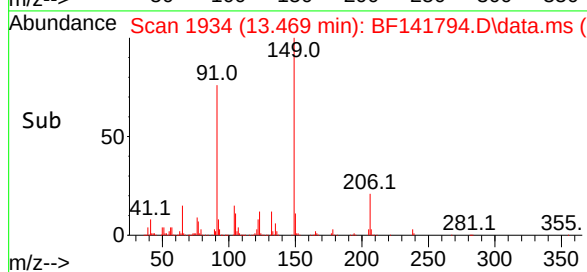
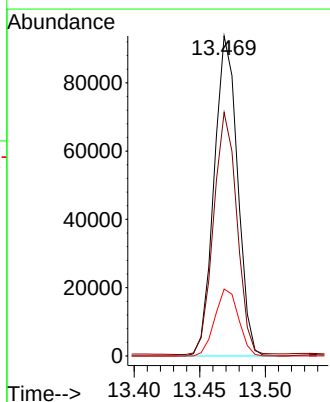
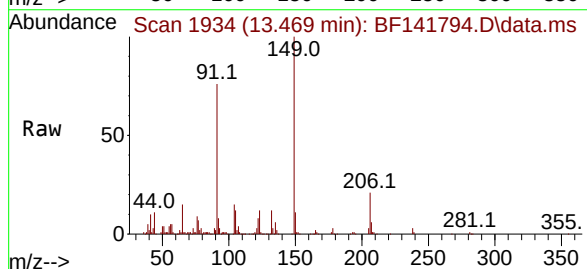
Manual Integrations
APPROVED

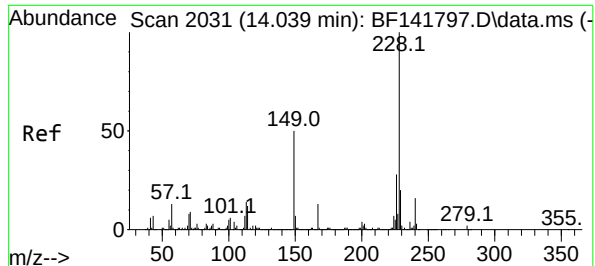
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:149 Resp: 116439
Ion Ratio Lower Upper
149 100
91 76.1 60.1 90.1
206 20.9 16.8 25.2





#81

Benzo(a)anthracene

Concen: 5.174 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:228 Resp: 29137

Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

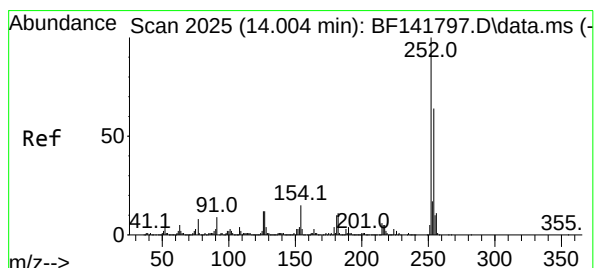
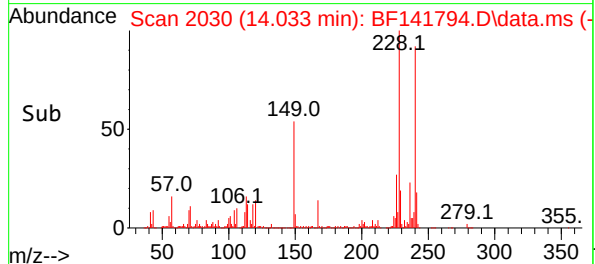
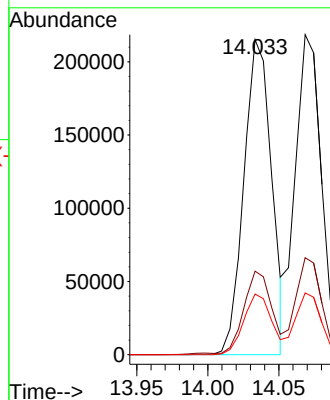
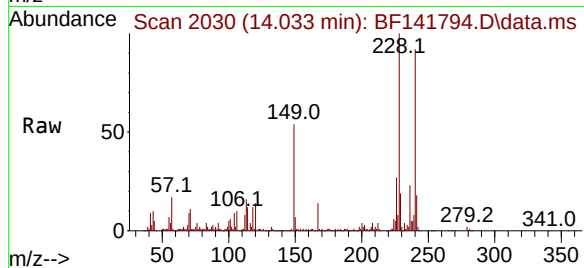
229 19.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#82

3,3'-Dichlorobenzidine

Concen: 5.353 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

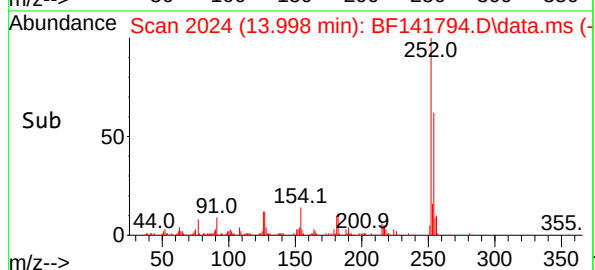
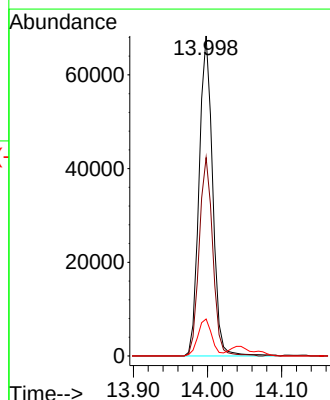
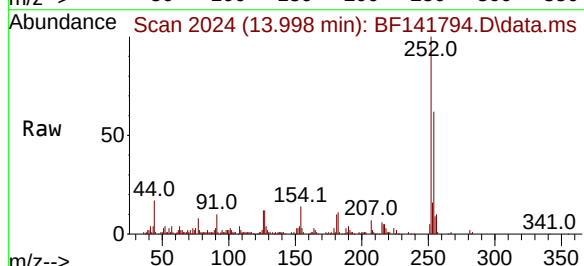
Tgt Ion:252 Resp: 86483

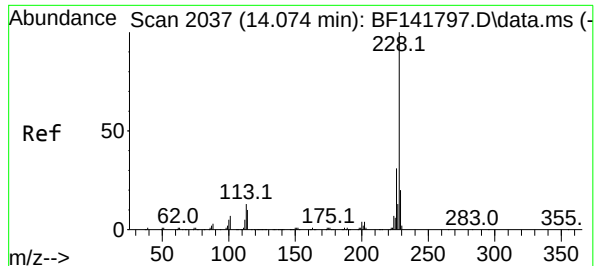
Ion Ratio Lower Upper

252 100

254 62.0 51.4 77.0

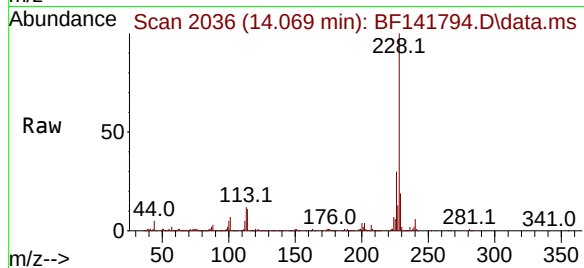
126 11.6 9.8 14.6





#83
Chrysene
Concen: 5.348 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

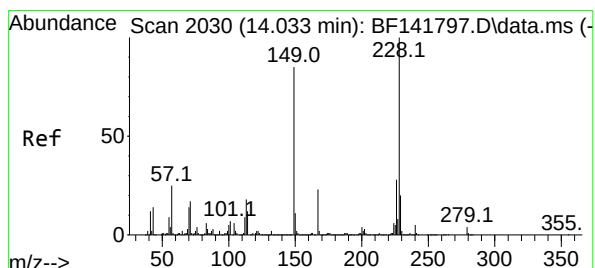
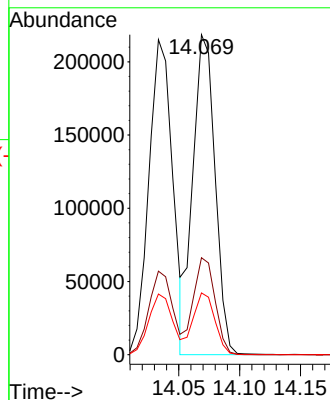
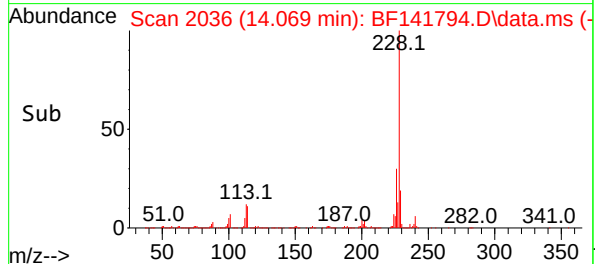
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:228 Resp: 277632
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 19.3 16.1 24.1

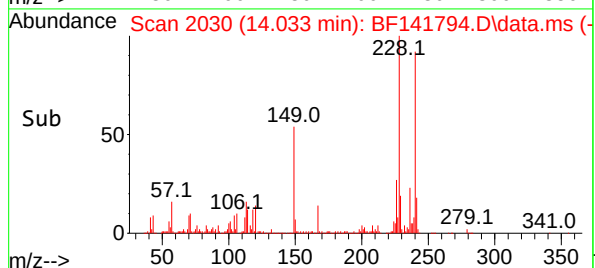
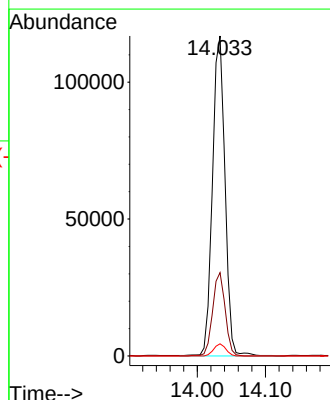
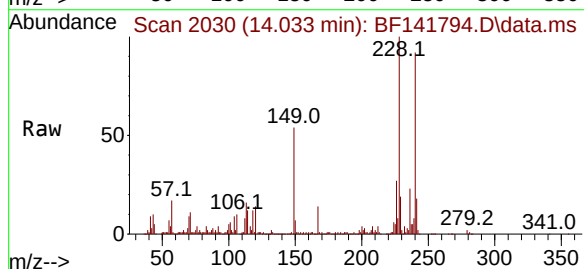
Manual Integrations
APPROVED

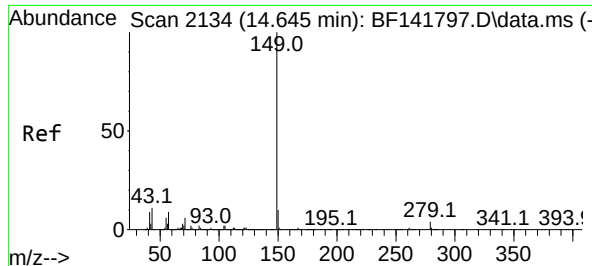
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

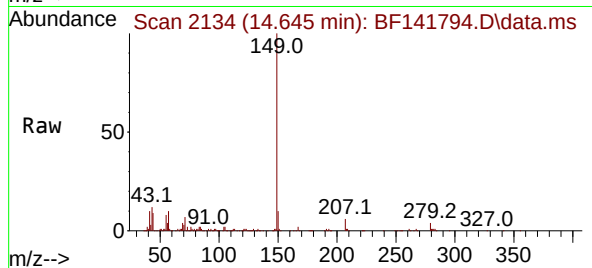
Tgt Ion:149 Resp: 149689
Ion Ratio Lower Upper
149 100
167 26.1 21.2 31.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 3.848 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

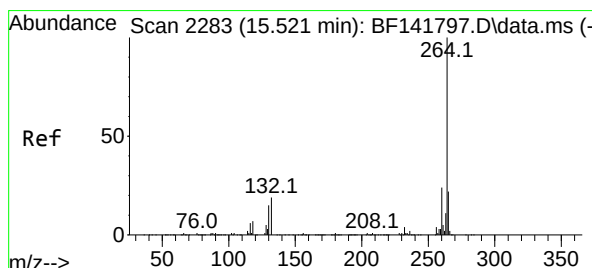
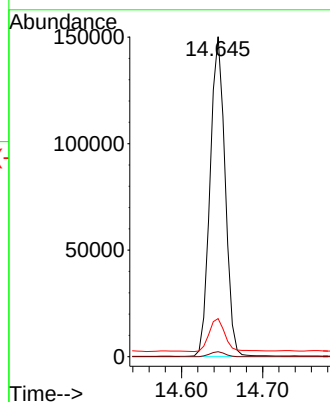
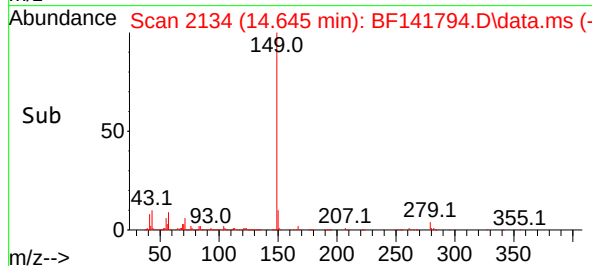
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 192390
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.2 8.6 12.8

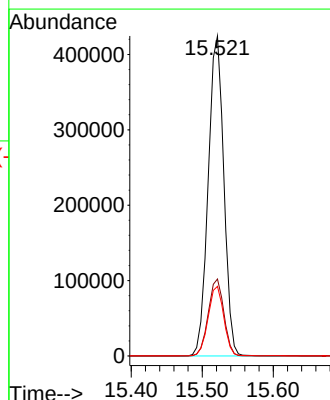
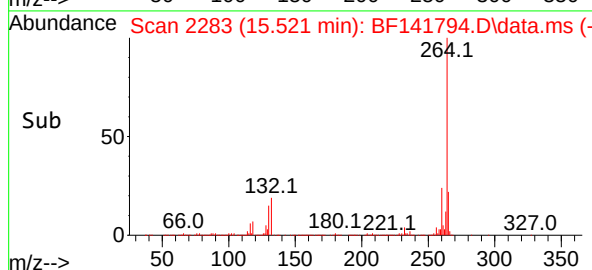
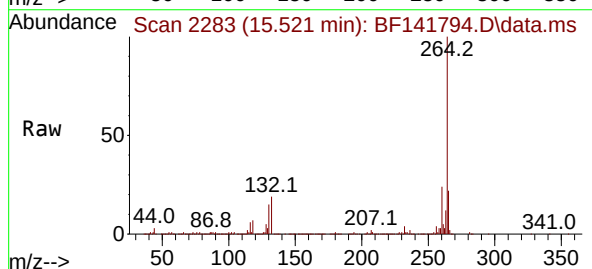
Manual Integrations
APPROVED

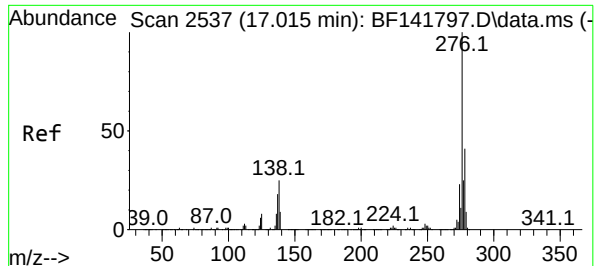
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:264 Resp: 648925
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 21.8 17.4 26.0





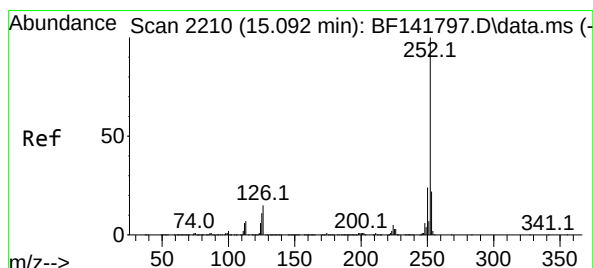
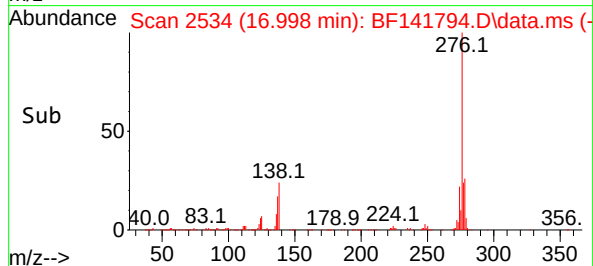
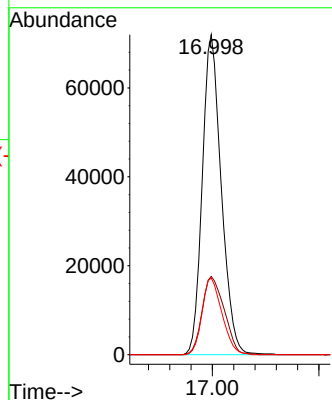
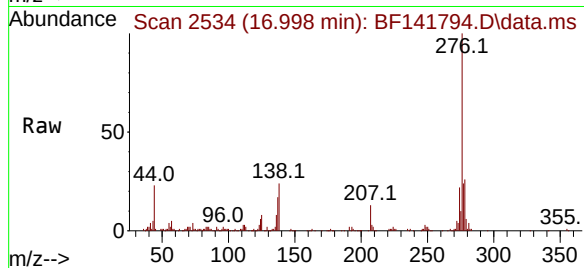
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.309 ng
RT: 16.998 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 178035
Ion Ratio Lower Upper
276 100
138 28.4 22.5 33.7
277 25.0 20.3 30.5

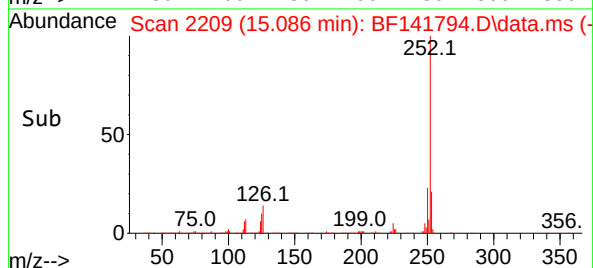
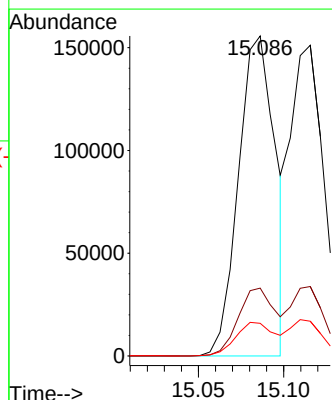
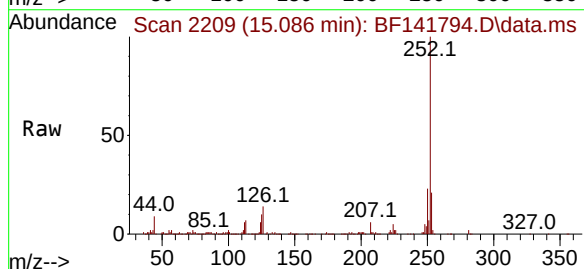
Manual Integrations
APPROVED

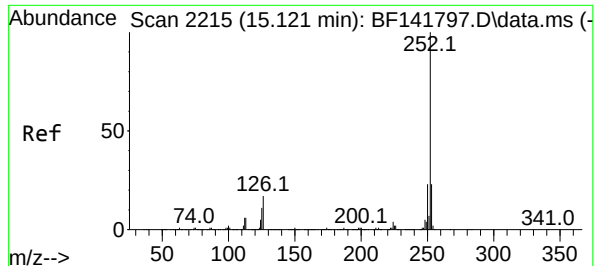
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:252 Resp: 233991
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 5.499 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 206614

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

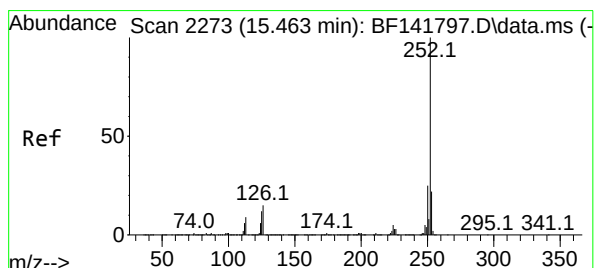
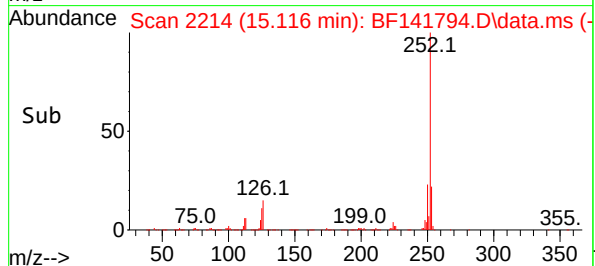
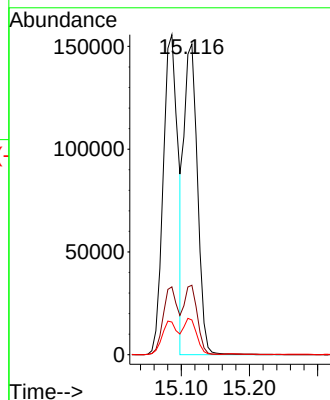
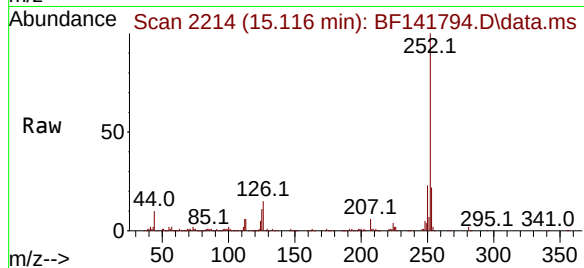
125 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 5.091 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

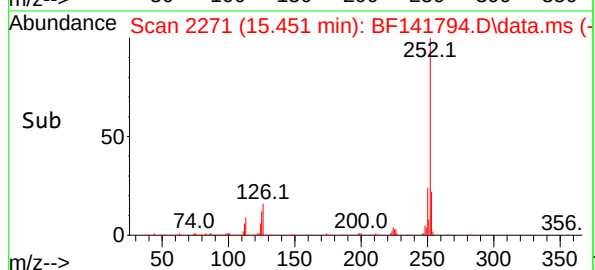
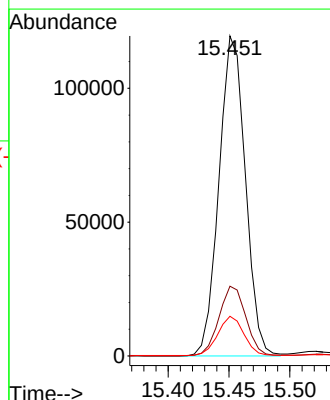
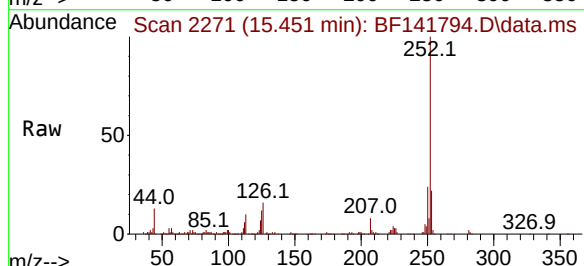
Tgt Ion:252 Resp: 180486

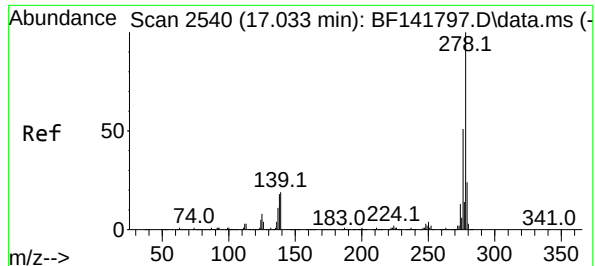
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

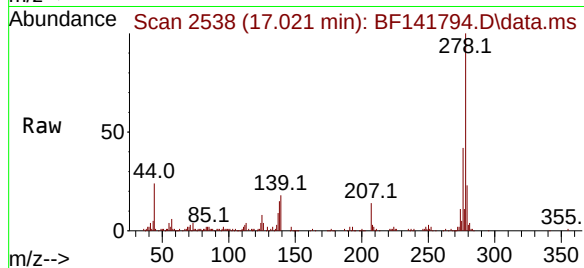
125 12.4 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 4.337 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

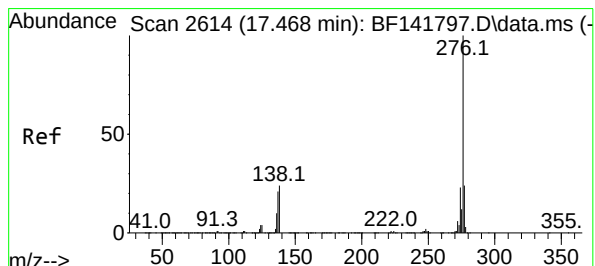
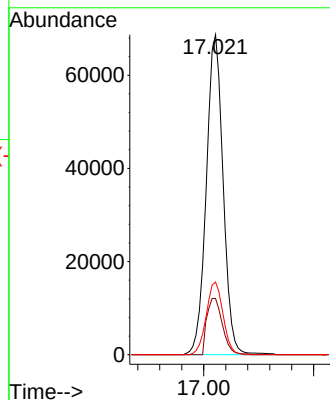
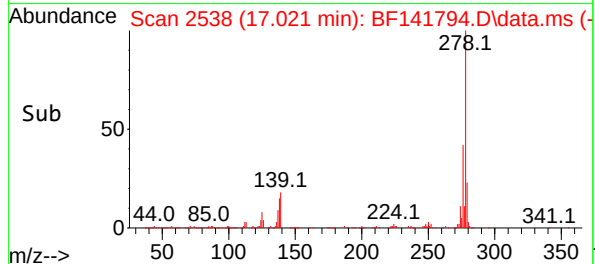
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:278 Resp: 146279
Ion Ratio Lower Upper
278 100
139 17.5 14.9 22.3
279 22.7 19.3 28.9

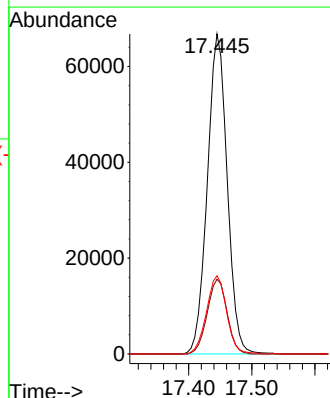
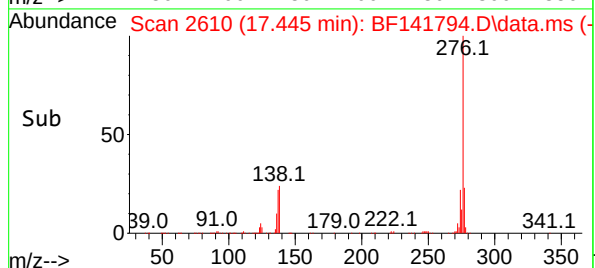
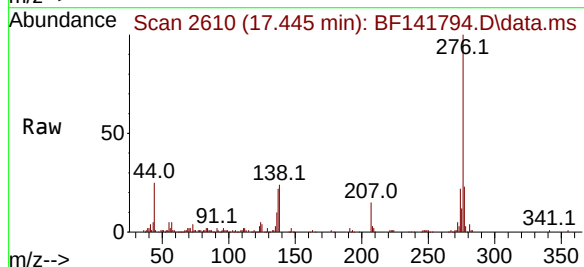
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.218 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 145755
Ion Ratio Lower Upper
276 100
277 23.4 19.4 29.0
138 24.4 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141795.D
 Acq On : 27 Feb 2025 16:16
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:15 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:19:57 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	289266	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1173835	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	647904	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1098842	20.000	ng	0.00
76) Chrysene-d12	14.045	240	800194	20.000	ng	0.00
86) Perylene-d12	15.521	264	586419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	380350	20.998	ng	0.00
7) Phenol-d6	6.498	99	493731	20.942	ng	-0.01
23) Nitrobenzene-d5	7.445	82	318362	17.336	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	116043	19.078	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	898797	22.244	ng	0.00
79) Terphenyl-d14	12.992	244	986786	19.952	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.687	88	80189	9.757	ng	99
3) Pyridine	3.451	79	204276	9.989	ng	99
4) n-Nitrosodimethylamine	3.381	42	96264	9.784	ng	# 97
6) Aniline	6.545	93	249709	10.243	ng	99
8) 2-Chlorophenol	6.669	128	203282	10.375	ng	97
9) Benzaldehyde	6.434	77	157352	11.474	ng	99
10) Phenol	6.510	94	263599m	10.494	ng	
11) bis(2-Chloroethyl)ether	6.616	93	198994	10.362	ng	100
12) 1,3-Dichlorobenzene	6.828	146	219862	10.478	ng	98
13) 1,4-Dichlorobenzene	6.904	146	221703	10.486	ng	100
14) 1,2-Dichlorobenzene	7.057	146	208788	10.575	ng	99
15) Benzyl Alcohol	7.016	79	195649	10.384	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	302932	10.387	ng	99
17) 2-Methylphenol	7.122	107	163693	10.121	ng	98
18) Hexachloroethane	7.404	117	78340	9.899	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	159860	10.315	ng	97
20) 3+4-Methylphenols	7.275	107	218359	10.842	ng	# 90
22) Acetophenone	7.292	105	303217	10.606	ng	# 95
24) Nitrobenzene	7.463	77	178109	9.057	ng	97
25) Isophorone	7.698	82	400228	10.145	ng	99
26) 2-Nitrophenol	7.781	139	52703	9.980	ng	99
27) 2,4-Dimethylphenol	7.810	122	146519	10.103	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	262861	10.445	ng	98
29) 2,4-Dichlorophenol	8.016	162	169218	10.114	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	188296	10.271	ng	98
31) Naphthalene	8.192	128	643621	10.668	ng	98
32) Benzoic acid	7.875	122	58209	11.729	ng	98
33) 4-Chloroaniline	8.234	127	230342	10.413	ng	99
34) Hexachlorobutadiene	8.310	225	113140	9.931	ng	99
35) Caprolactam	8.569	113	50734	9.855	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	185621	9.987	ng	99
37) 2-Methylnaphthalene	8.881	142	425720	10.758	ng	100
38) 1-Methylnaphthalene	8.981	142	404087	10.642	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	194342	10.386	ng	99
41) Hexachlorocyclopentadiene	9.033	237	74446	9.533	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	119234	9.864	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141795.D
 Acq On : 27 Feb 2025 16:16
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:15 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:19:57 2025

Response via : Initial Calibration

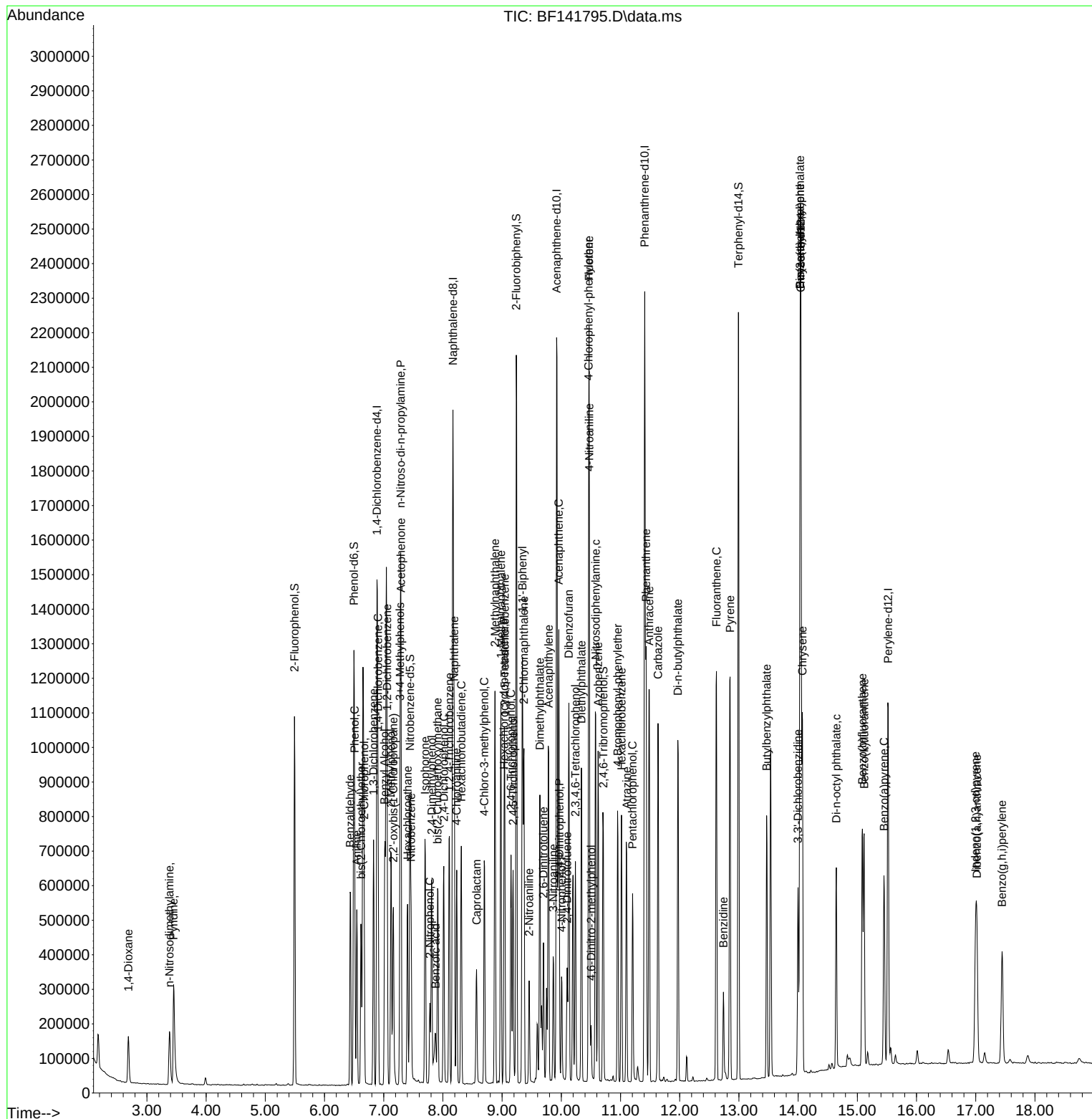
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	118017	9.860	ng	99
46) 1,1'-Biphenyl	9.345	154	537368	10.896	ng	98
47) 2-Chloronaphthalene	9.369	162	383444	10.535	ng	98
48) 2-Nitroaniline	9.457	65	60658	9.877	ng	96
49) Acenaphthylene	9.786	152	586066	10.739	ng	99
50) Dimethylphthalate	9.639	163	455190	10.491	ng	99
51) 2,6-Dinitrotoluene	9.698	165	59617	9.588	ng	98
52) Acenaphthene	9.957	154	389154	10.568	ng	99
53) 3-Nitroaniline	9.863	138	62569	9.606	ng	# 91
54) 2,4-Dinitrophenol	9.969	184	15803	10.881	ng	# 1
55) Dibenzofuran	10.128	168	581120	10.843	ng	97
56) 4-Nitrophenol	10.004	139	51406	8.022	ng	94
57) 2,4-Dinitrotoluene	10.098	165	64291	9.401	ng	97
58) Fluorene	10.469	166	442697	11.027	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	101729	9.772	ng	99
60) Diethylphthalate	10.339	149	457600	10.520	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	215289	10.703	ng	98
62) 4-Nitroaniline	10.475	138	60552	8.172	ng	94
63) Azobenzene	10.622	77	486878	10.631	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	23863	11.957	ng	98
66) n-Nitrosodiphenylamine	10.580	169	374119	10.369	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	130467	10.165	ng	99
68) Hexachlorobenzene	11.016	284	136626	10.081	ng	97
69) Atrazine	11.104	200	114276	11.517	ng	99
70) Pentachlorophenol	11.204	266	80231	9.334	ng	99
71) Phenanthrene	11.433	178	632699	10.764	ng	99
72) Anthracene	11.486	178	635314	10.785	ng	99
73) Carbazole	11.633	167	554900	10.667	ng	99
74) Di-n-butylphthalate	11.969	149	709254	10.756	ng	99
75) Fluoranthene	12.621	202	668370	11.098	ng	98
77) Benzidine	12.739	184	136857	13.588	ng	99
78) Pyrene	12.851	202	674877	9.740	ng	99
80) Butylbenzylphthalate	13.469	149	231474	9.194	ng	98
81) Benzo(a)anthracene	14.033	228	554778	10.496	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	152147	10.033	ng	99
83) Chrysene	14.074	228	473612	9.721	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	278482	8.884	ng	99
85) Di-n-octyl phthalate	14.645	149	368711	7.857	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	330014	8.838	ng	99
88) Benzo(b)fluoranthene	15.086	252	409420	10.250	ng	99
89) Benzo(k)fluoranthene	15.115	252	363518	10.707	ng	99
90) Benzo(a)pyrene	15.451	252	317564	9.913	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	272918	8.954	ng	98
92) Benzo(g,h,i)perylene	17.445	276	272428	8.724	ng	98

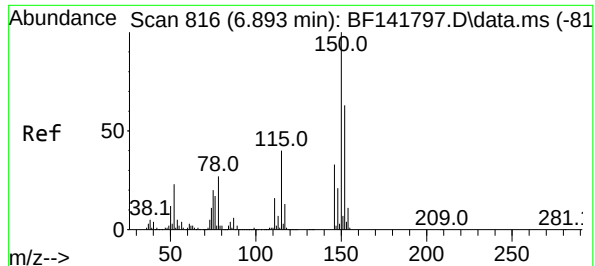
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

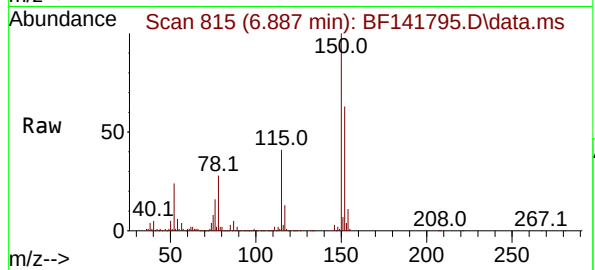
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

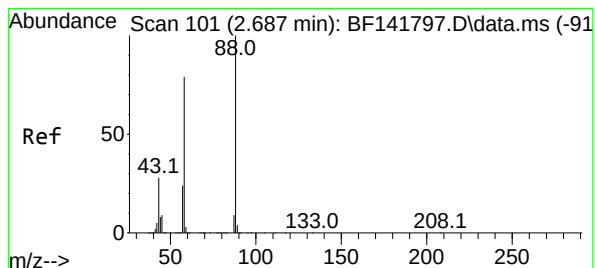
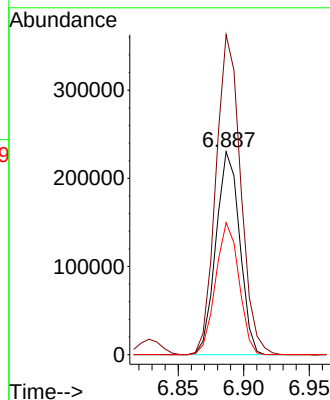
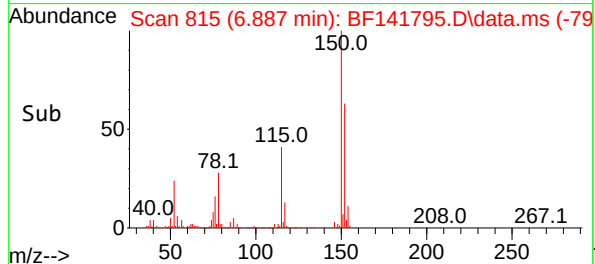
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 289260
Ion Ratio Lower Upper
152 100
150 157.6 127.5 191.3
115 65.0 51.4 77.2

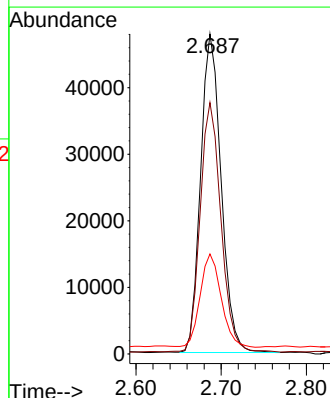
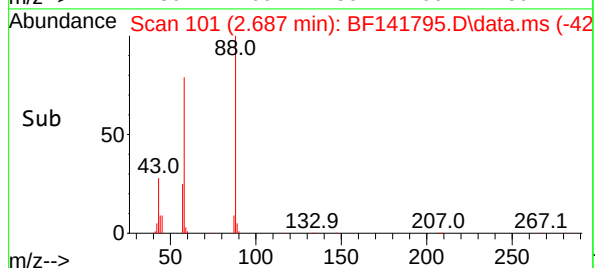
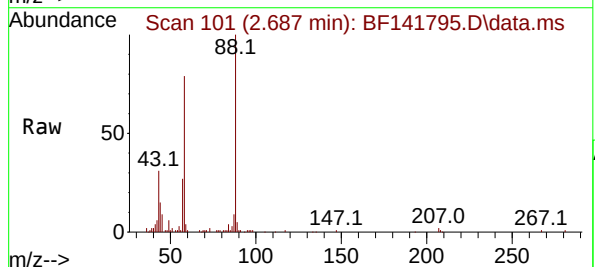
Manual Integrations
APPROVED

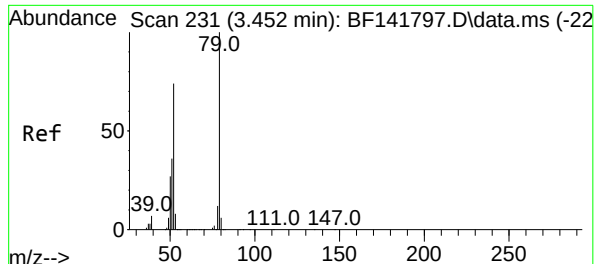
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion: 88 Resp: 80189
Ion Ratio Lower Upper
88 100
58 79.3 63.9 95.9
43 30.0 23.0 34.6





#3

Pyridine

Concen: 9.989 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 204270

Ion Ratio Lower Upper

79 100

52 73.2 59.0 88.4

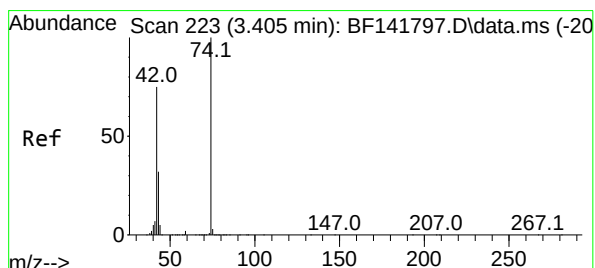
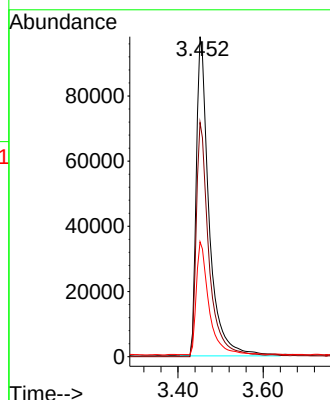
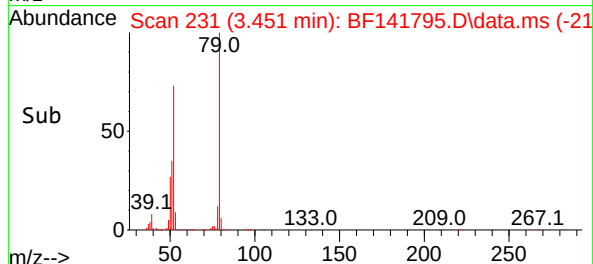
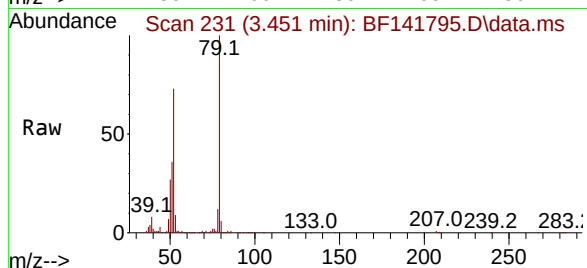
51 35.9 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 9.784 ng

RT: 3.381 min Scan# 219

Delta R.T. -0.024 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

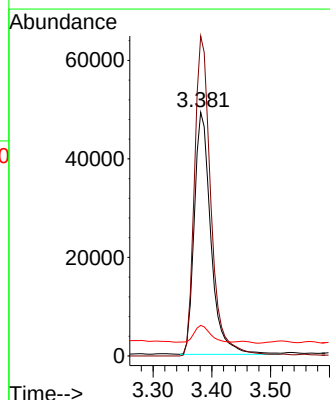
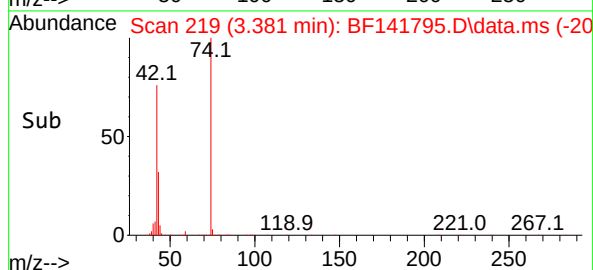
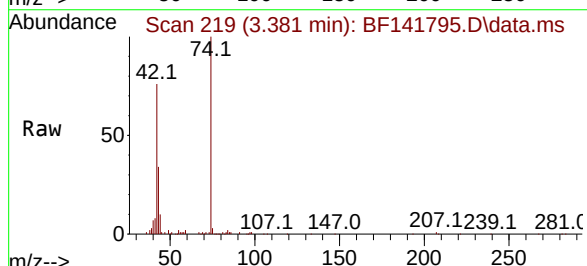
Tgt Ion: 42 Resp: 96264

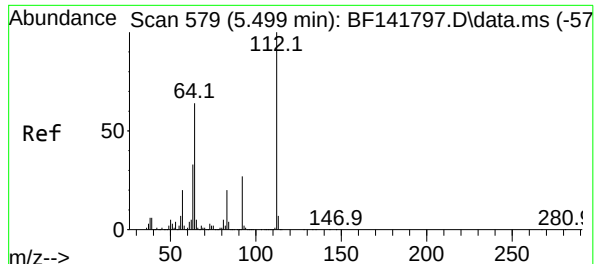
Ion Ratio Lower Upper

42 100

74 131.3 107.1 160.7

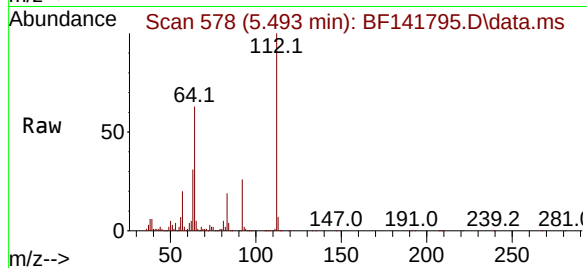
44 12.5 6.6 9.8#





#5
2-Fluorophenol
Concen: 20.998 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

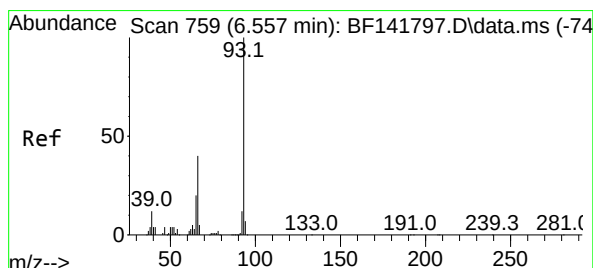
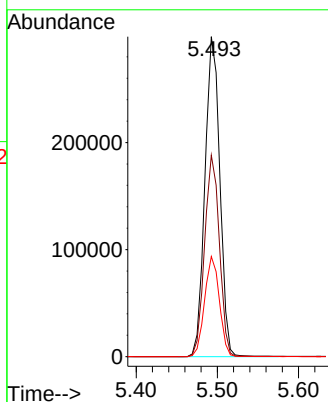
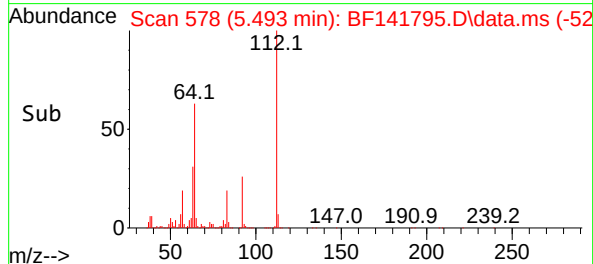
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:112 Resp: 380350
Ion Ratio Lower Upper
112 100
64 63.0 51.3 76.9
63 31.3 26.2 39.4

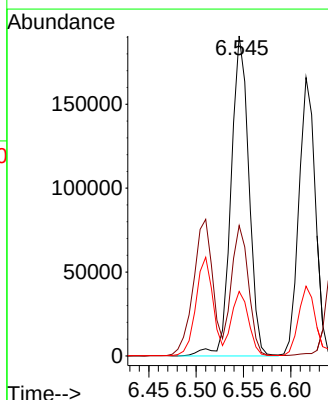
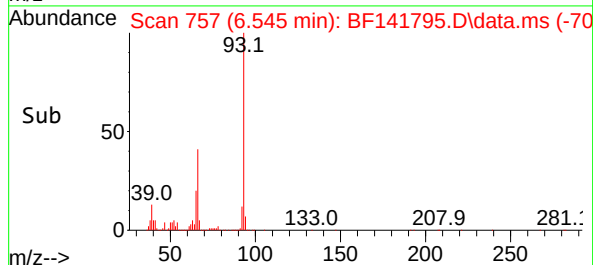
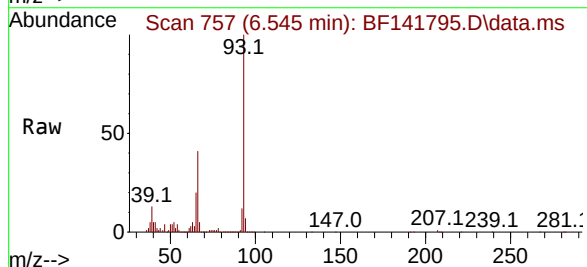
Manual Integrations
APPROVED

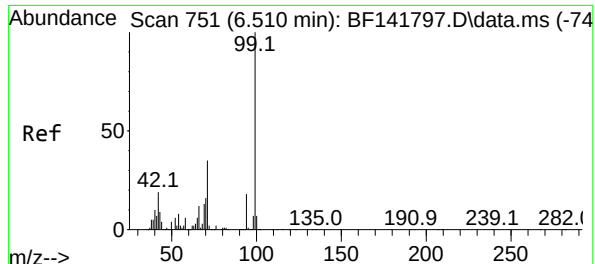
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion: 93 Resp: 249709
Ion Ratio Lower Upper
93 100
66 40.8 32.3 48.5
65 20.2 15.9 23.9





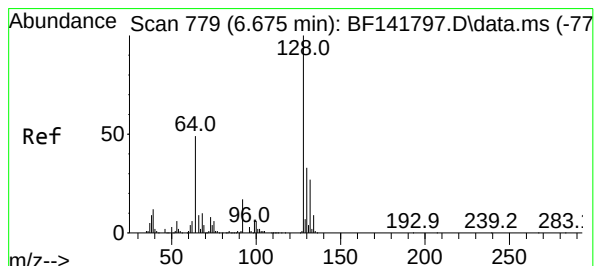
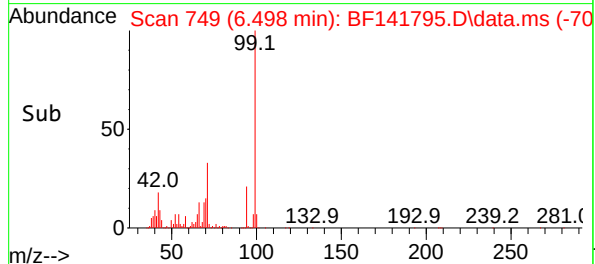
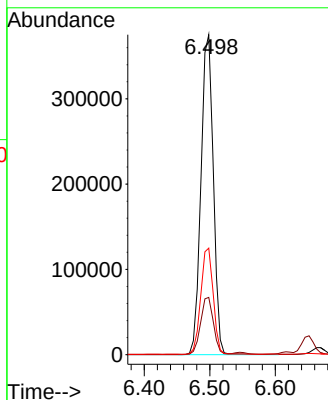
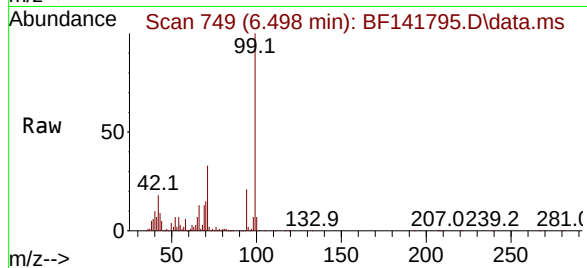
#7
Phenol-d6
Concen: 20.942 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 49373
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 33.3 28.2 42.2

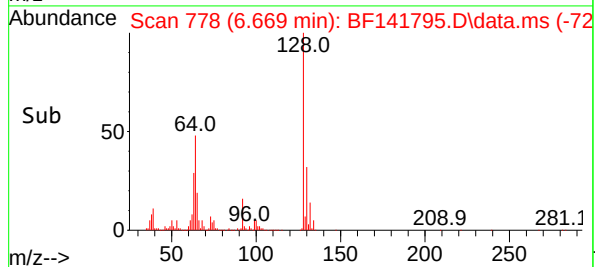
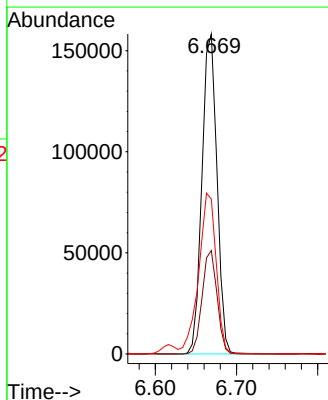
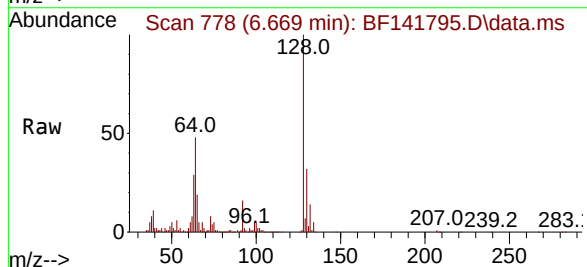
Manual Integrations
APPROVED

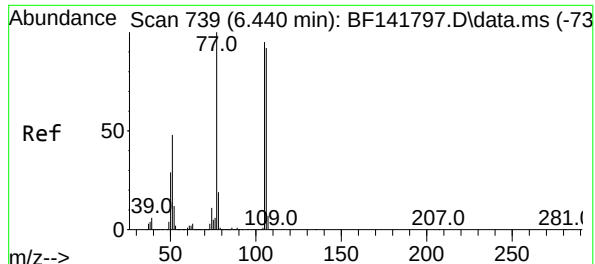
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

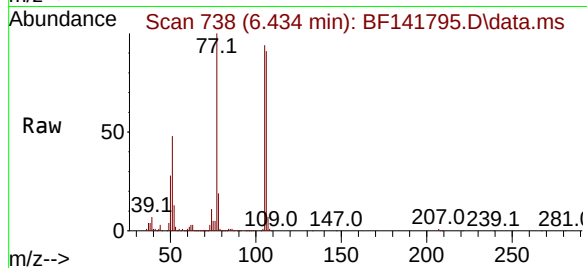
Tgt Ion:128 Resp: 203282
Ion Ratio Lower Upper
128 100
130 32.3 12.6 52.6
64 48.4 31.1 71.1





#9
Benzaldehyde
Concen: 11.474 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

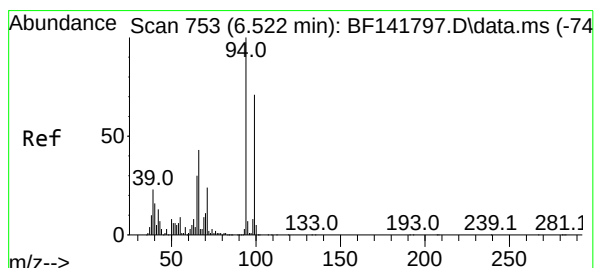
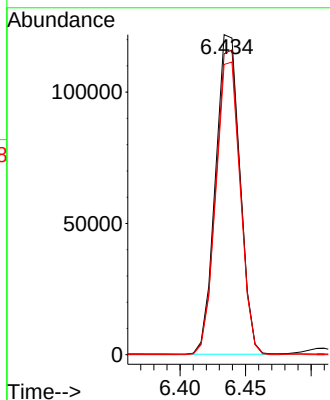
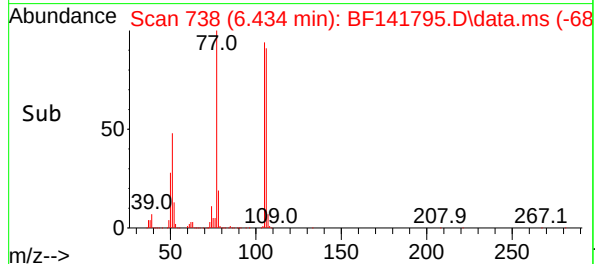
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 157352
Ion Ratio Lower Upper
77 100
105 94.0 75.3 115.3
106 90.7 72.3 112.3

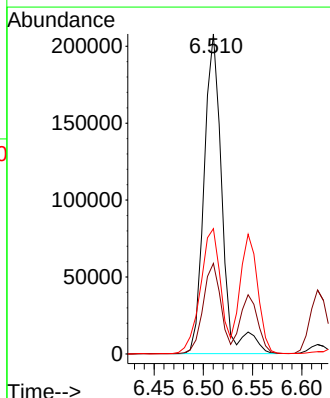
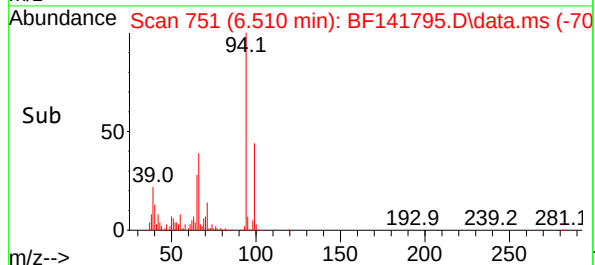
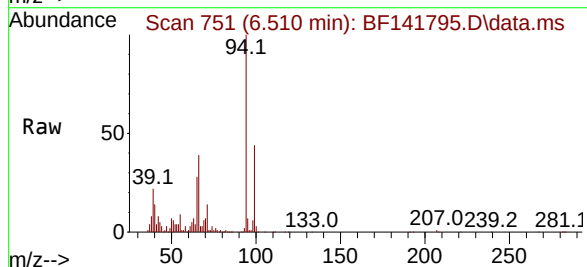
Manual Integrations
APPROVED

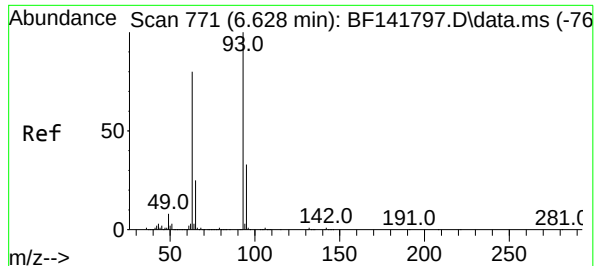
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

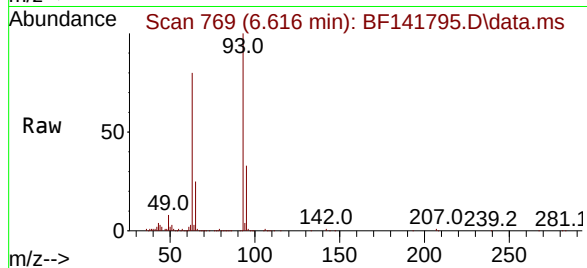
Tgt Ion: 94 Resp: 263599
Ion Ratio Lower Upper
94 100
65 28.3 10.2 50.2
66 39.2 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 10.362 ng
RT: 6.616 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

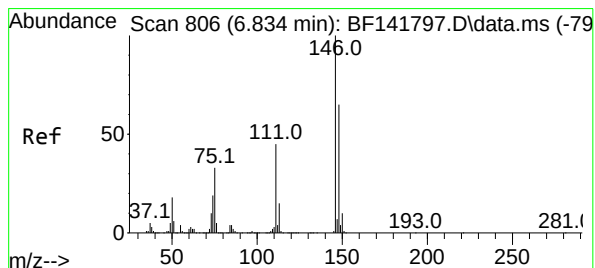
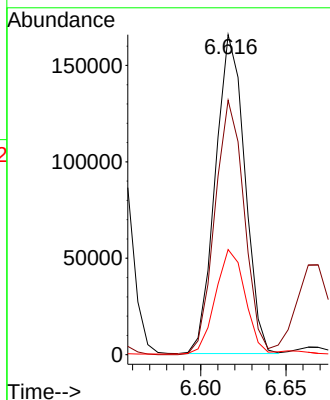
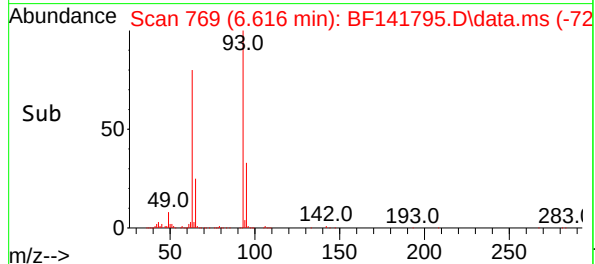
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



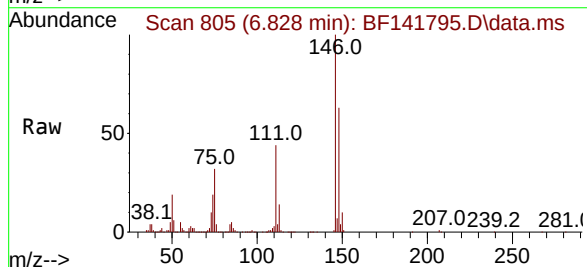
Tgt Ion: 93 Resp: 198994
Ion Ratio Lower Upper
93 100
63 79.5 59.3 99.3
95 32.8 13.2 53.2

Manual Integrations
APPROVED

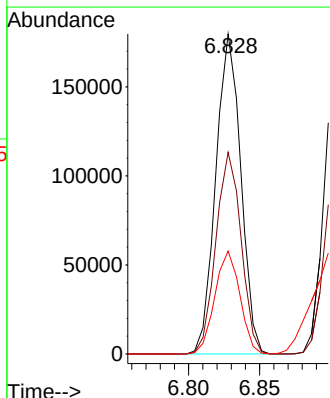
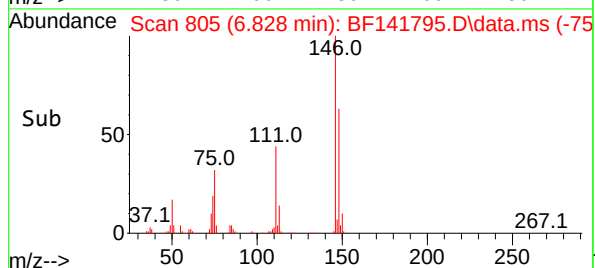
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

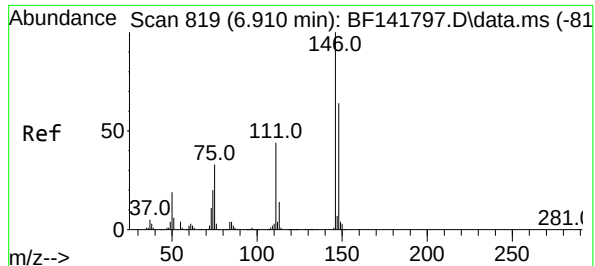


#12
1,3-Dichlorobenzene
Concen: 10.478 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16



Tgt Ion:146 Resp: 219862
Ion Ratio Lower Upper
146 100
148 63.0 51.8 77.6
75 32.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 10.486 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 22170

Ion Ratio Lower Upper

146 100

148 64.6 51.4 77.2

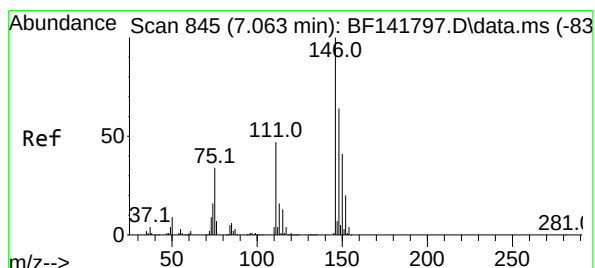
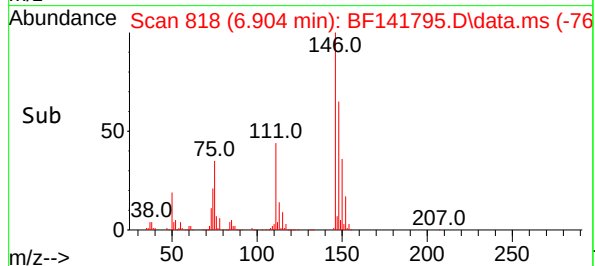
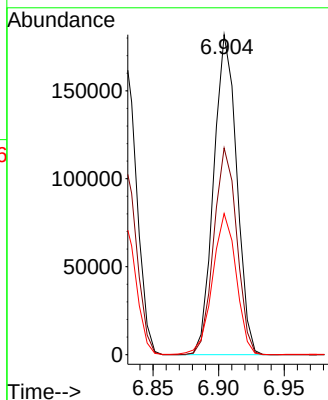
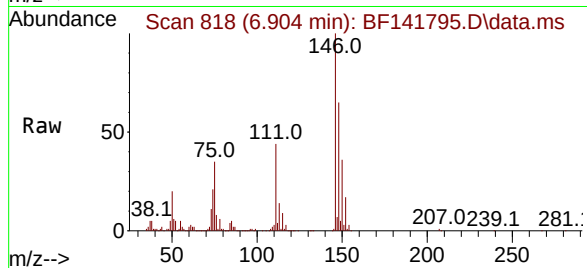
111 44.1 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 10.575 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

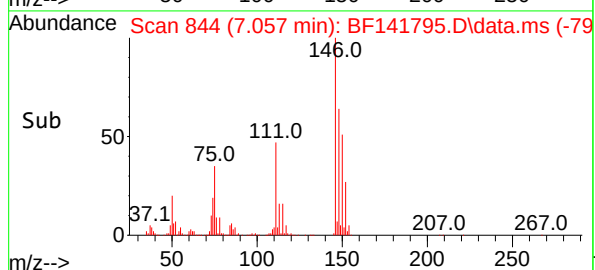
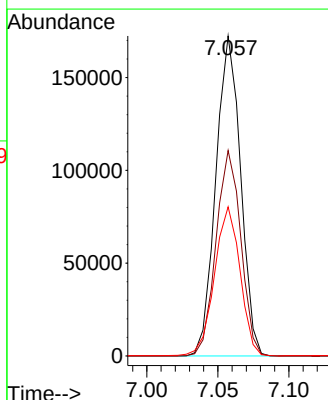
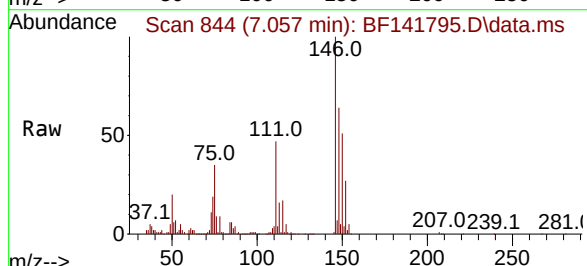
Tgt Ion:146 Resp: 208788

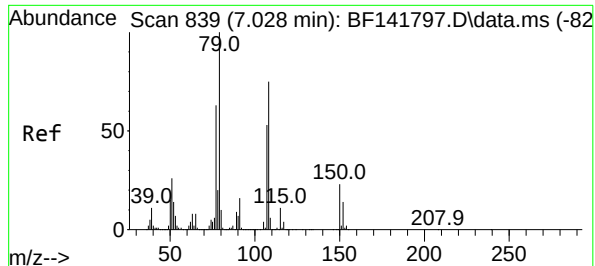
Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

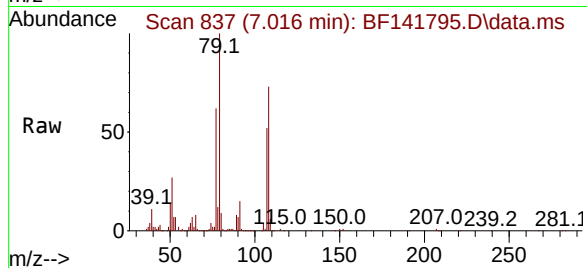
111 46.6 37.8 56.6





#15
Benzyl Alcohol
Concen: 10.384 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

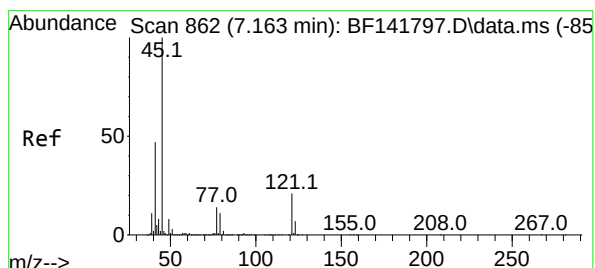
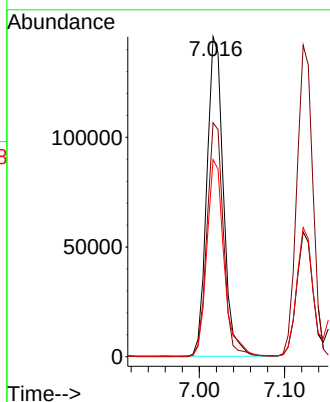
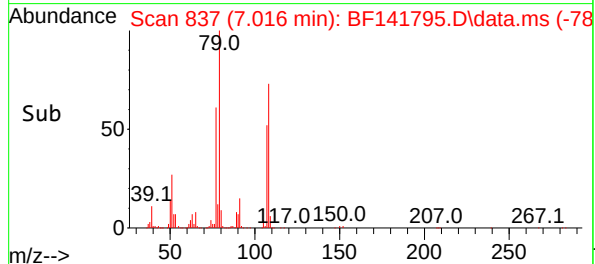
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 195649
Ion Ratio Lower Upper
79 100
108 73.1 60.2 90.2
77 61.6 50.2 75.2

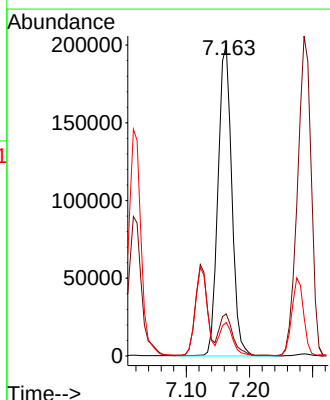
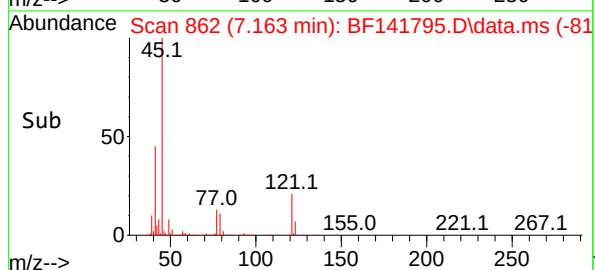
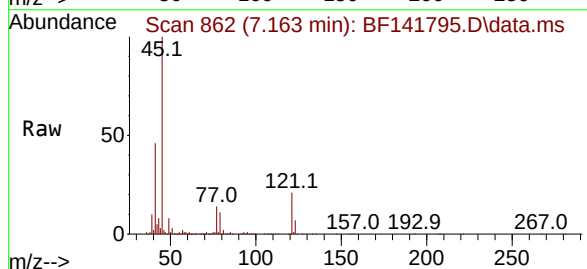
Manual Integrations
APPROVED

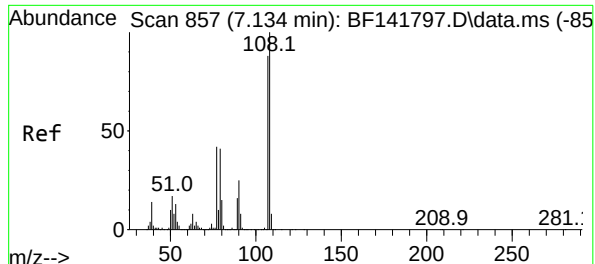
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

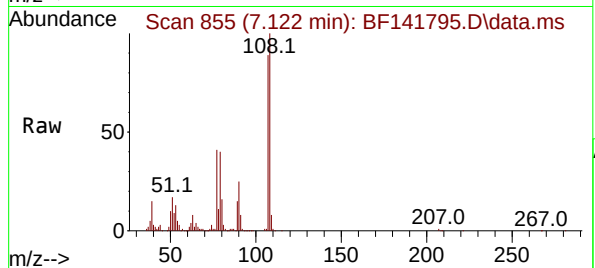
Tgt Ion: 45 Resp: 302932
Ion Ratio Lower Upper
45 100
77 13.6 0.0 34.4
79 10.7 0.0 30.9





#17
2-Methylphenol
Concen: 10.121 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

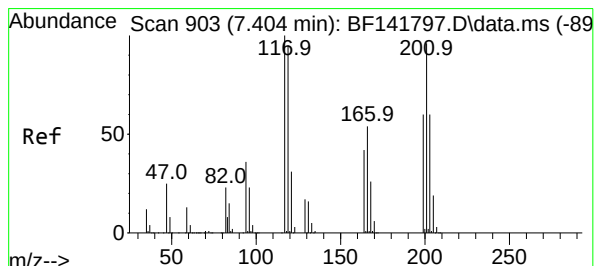
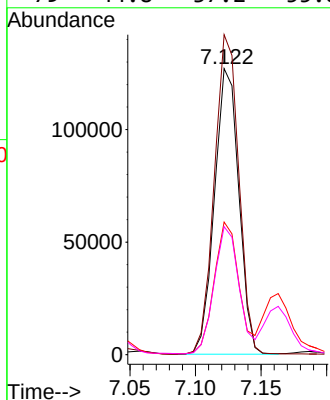
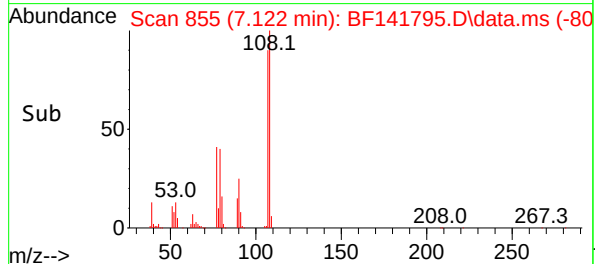
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:107 Resp: 16369
Ion Ratio Lower Upper
107 100
108 111.8 90.6 135.8
77 46.3 37.7 56.5
79 44.8 37.2 55.8

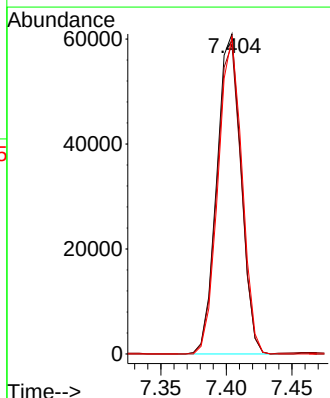
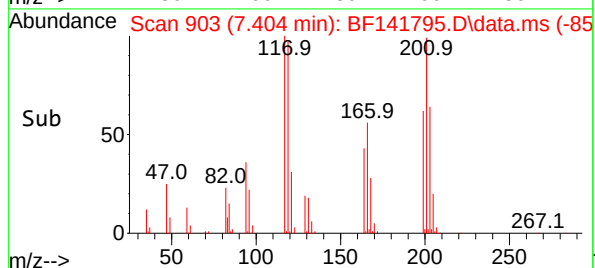
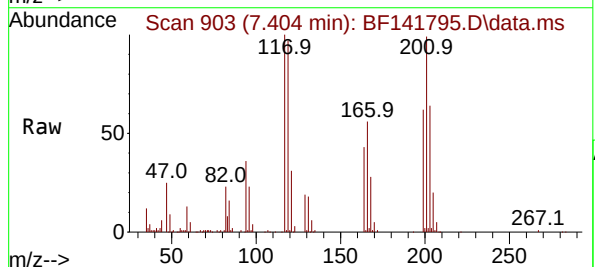
Manual Integrations
APPROVED

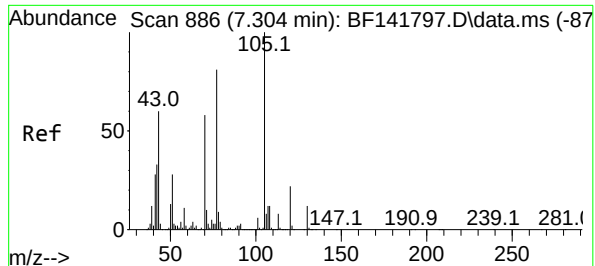
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:117 Resp: 78340
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8
201 99.1 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 10.315 ng

RT: 7.287 min Scan# 881

Delta R.T. -0.018 min

Lab File: BF141795.D

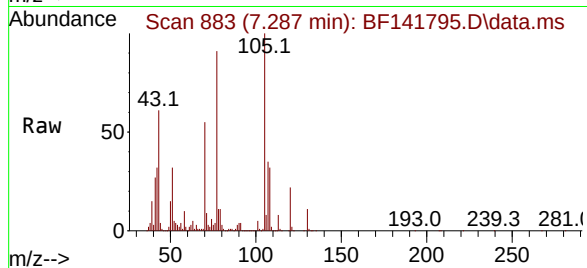
Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 159860

Ion Ratio Lower Upper

70 100

42 58.9 45.4 68.0

101 8.9 7.8 11.8

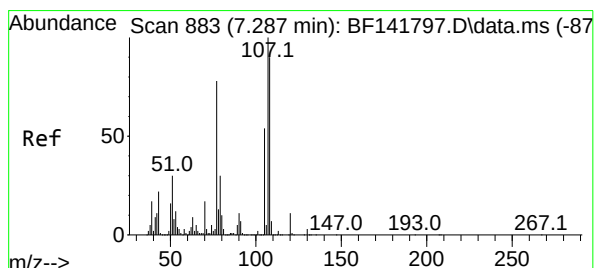
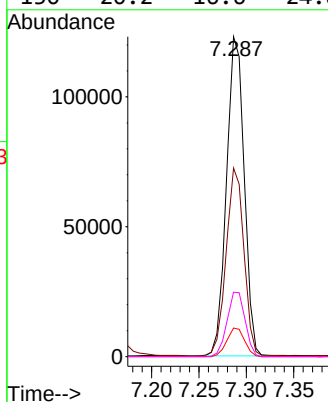
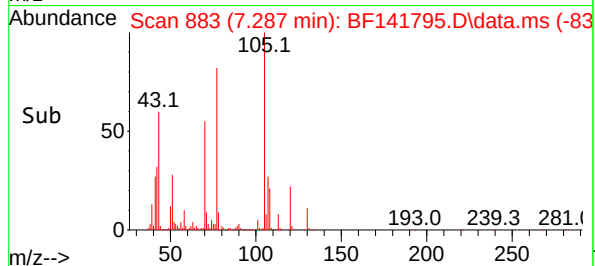
130 20.2 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

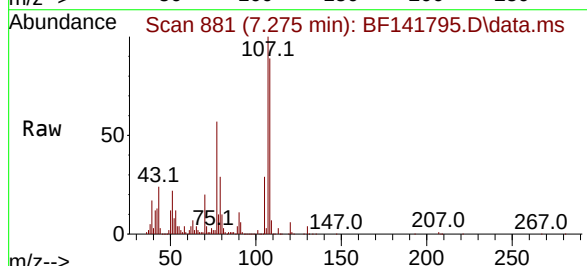
Concen: 10.842 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16



Tgt Ion:107 Resp: 218359

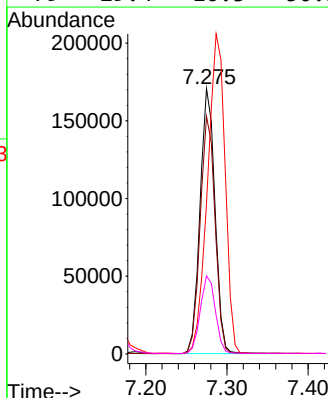
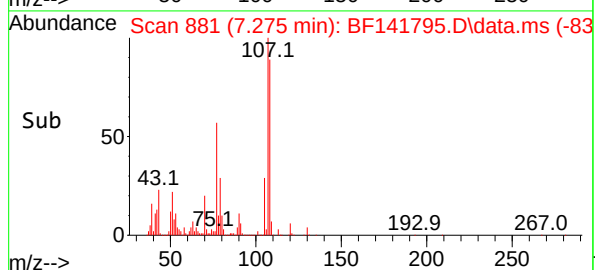
Ion Ratio Lower Upper

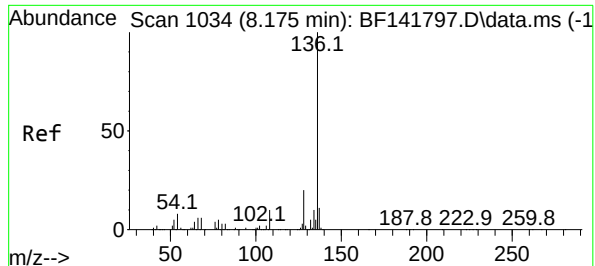
107 100

108 89.5 69.7 109.7

77 56.7 58.3 98.3#

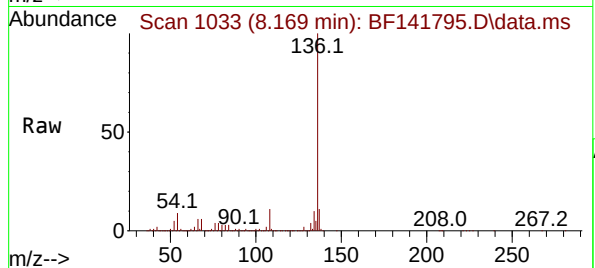
79 29.4 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

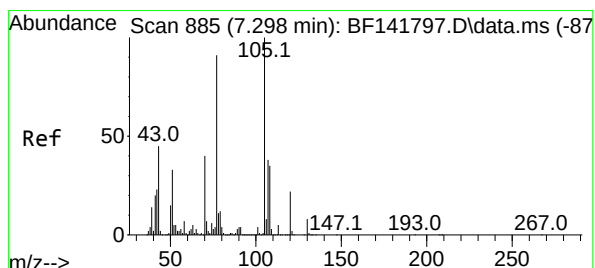
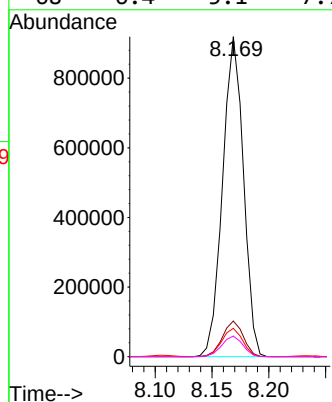
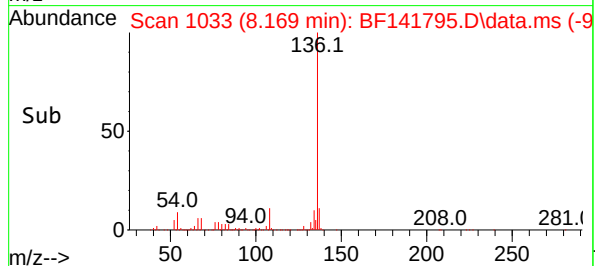
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 117383
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.8 6.9 10.3
68 6.4 5.1 7.7

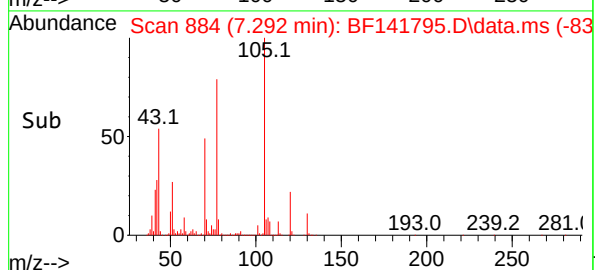
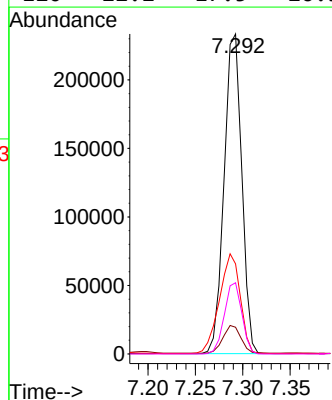
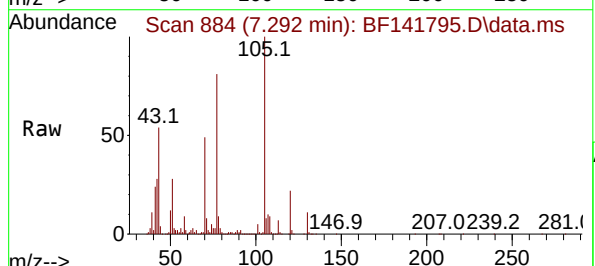
Manual Integrations
APPROVED

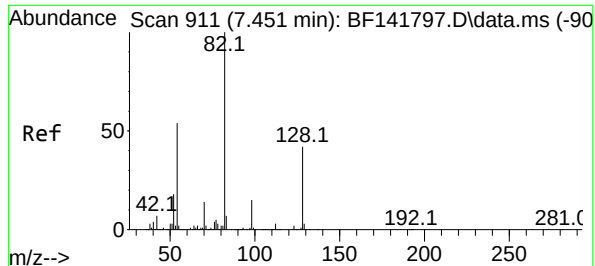
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:105 Resp: 303217
Ion Ratio Lower Upper
105 100
71 8.4 5.4 8.0#
51 28.2 26.1 39.1
120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 17.336 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 31836

Ion Ratio Lower Upper

82 100

128 41.3 33.5 50.3

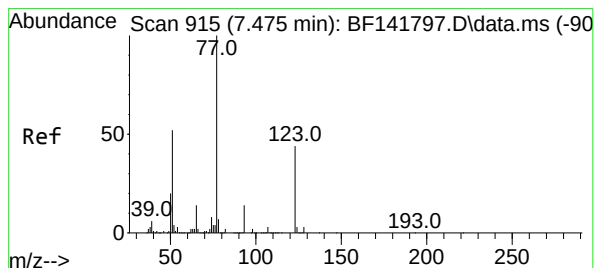
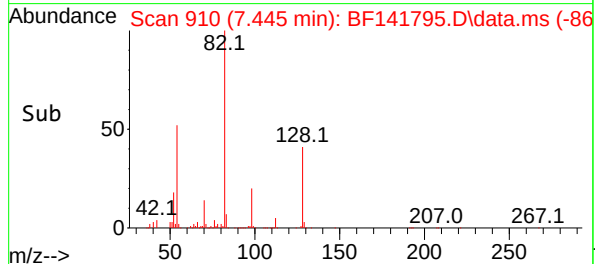
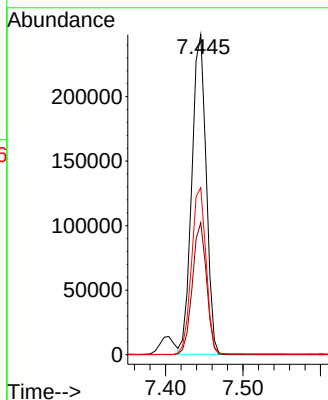
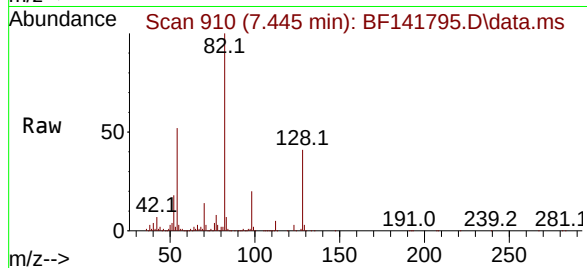
54 52.2 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 9.057 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

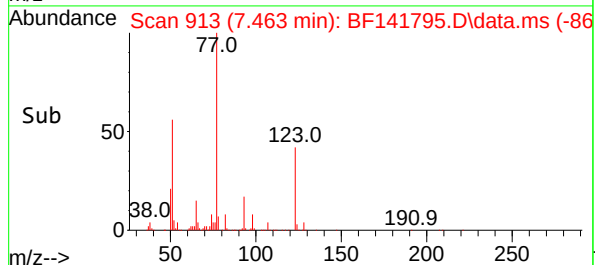
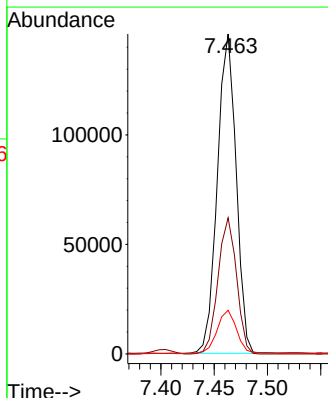
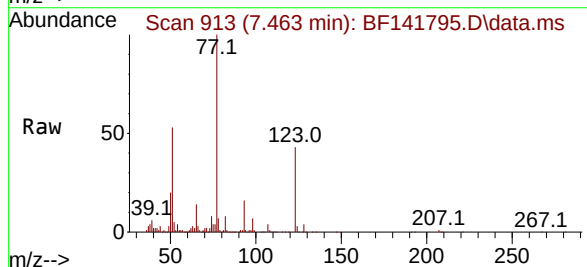
Tgt Ion: 77 Resp: 178109

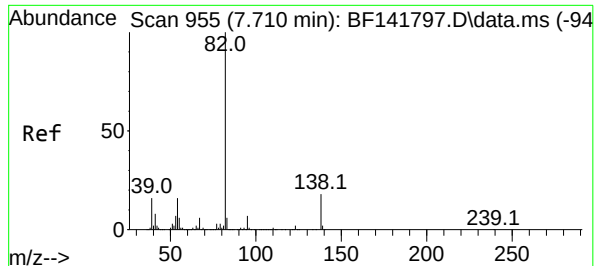
Ion Ratio Lower Upper

77 100

123 42.6 35.8 53.8

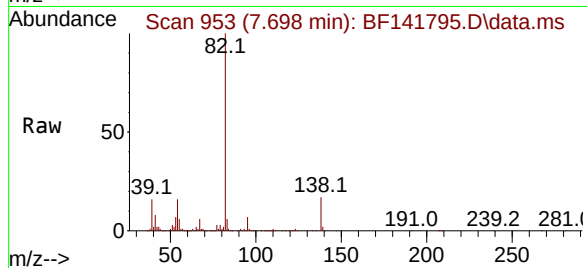
65 13.7 11.2 16.8





#25
Isophorone
Concen: 10.145 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

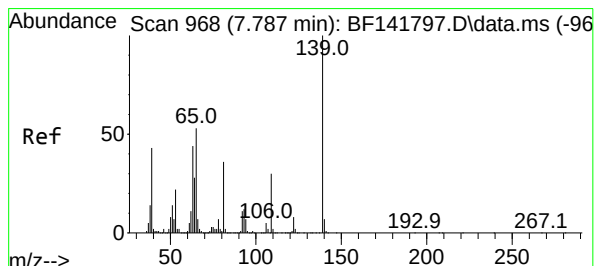
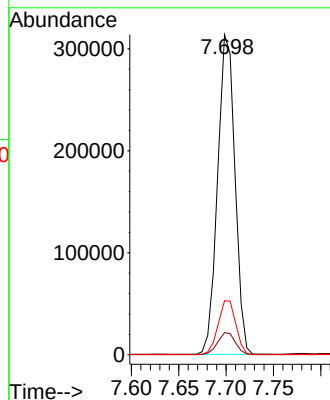
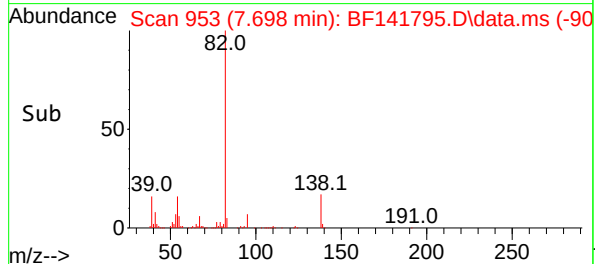
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 400228
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.8
138 16.9 14.0 21.0

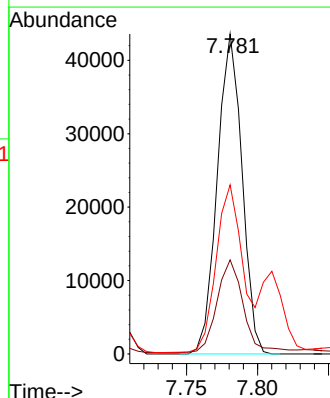
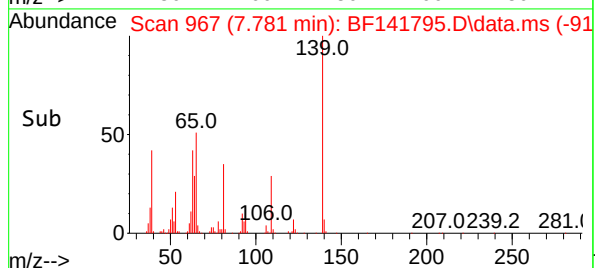
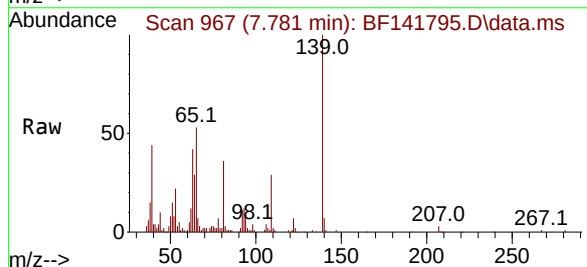
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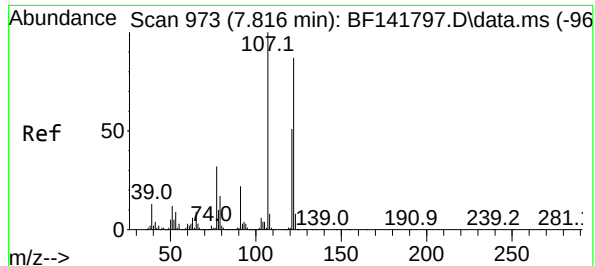
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:139 Resp: 52703
Ion Ratio Lower Upper
139 100
109 29.4 24.1 36.1
65 52.9 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 10.103 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 146519

Ion Ratio Lower Upper

122 100

107 113.9 92.5 138.7

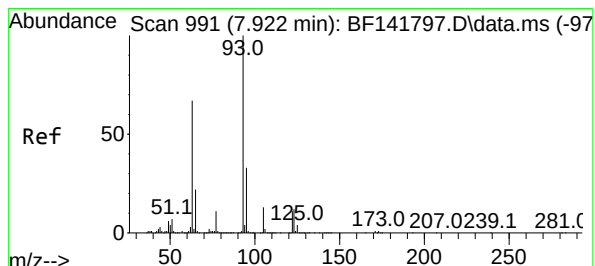
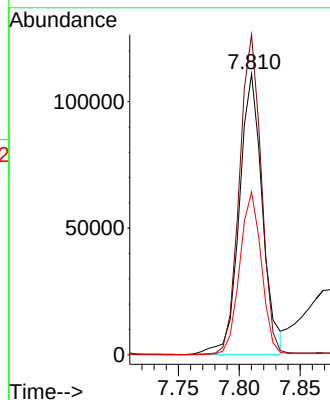
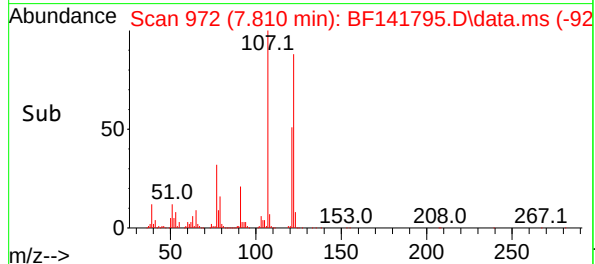
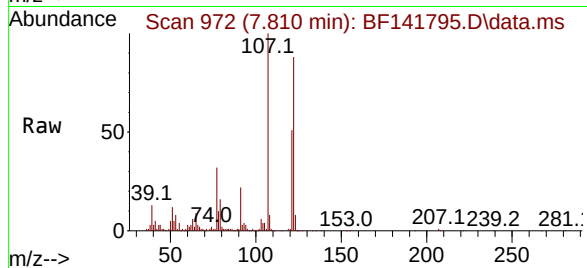
121 57.9 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.445 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

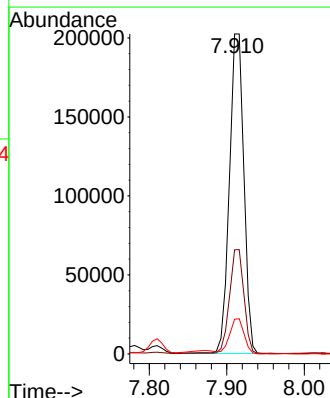
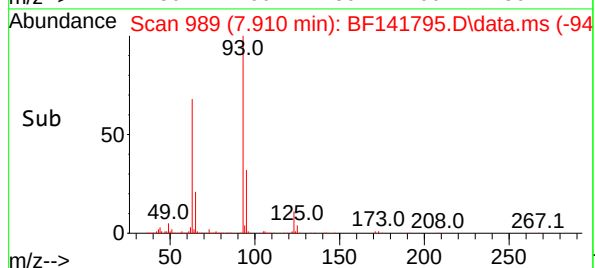
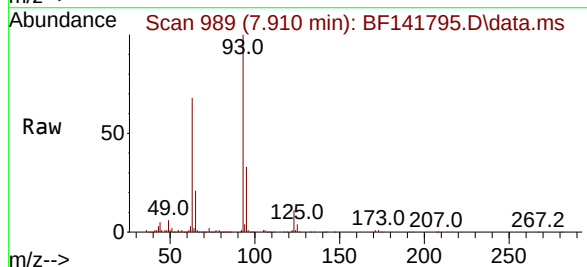
Tgt Ion: 93 Resp: 262861

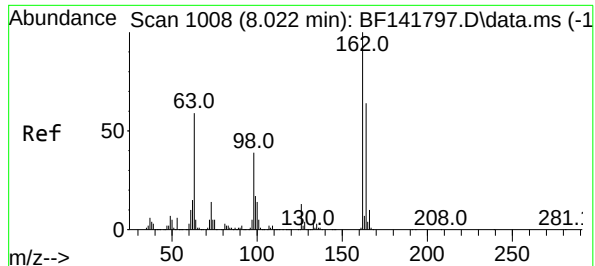
Ion Ratio Lower Upper

93 100

95 32.5 26.5 39.7

123 10.8 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 10.114 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 169218

Ion Ratio Lower Upper

162 100

164 63.9 44.3 84.3

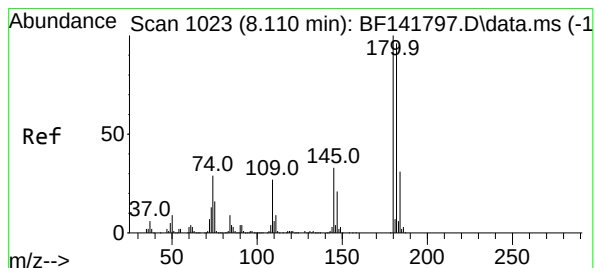
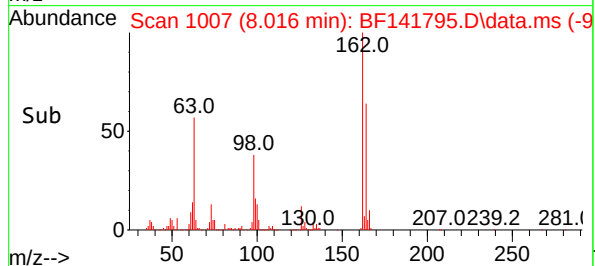
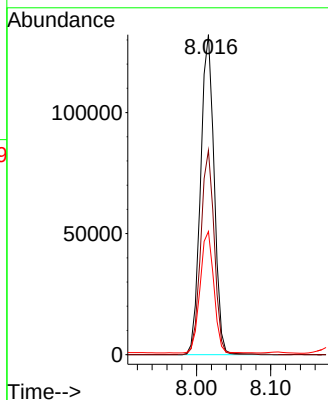
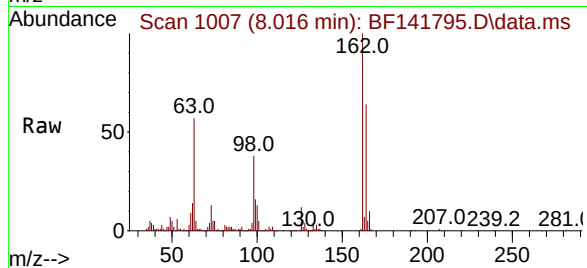
98 38.5 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.271 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

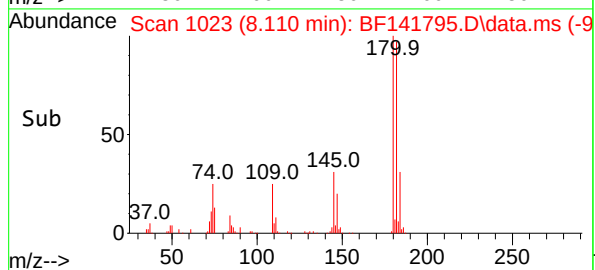
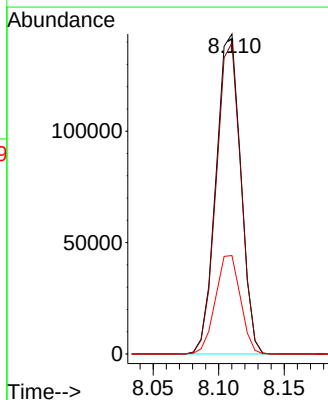
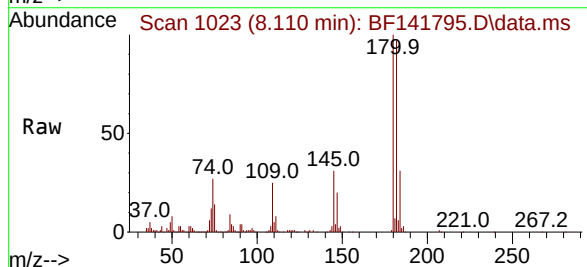
Tgt Ion:180 Resp: 188296

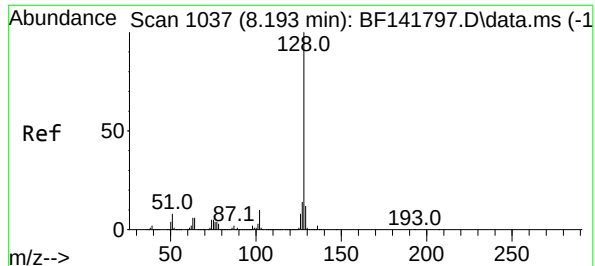
Ion Ratio Lower Upper

180 100

182 97.2 76.8 115.2

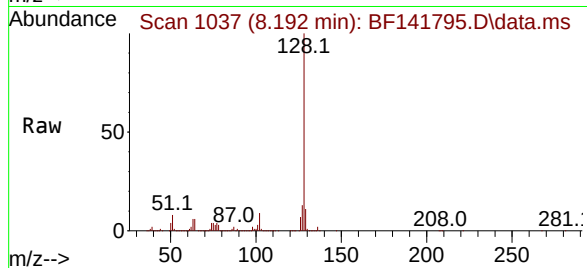
145 30.8 26.4 39.6





#31
Naphthalene
Concen: 10.668 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

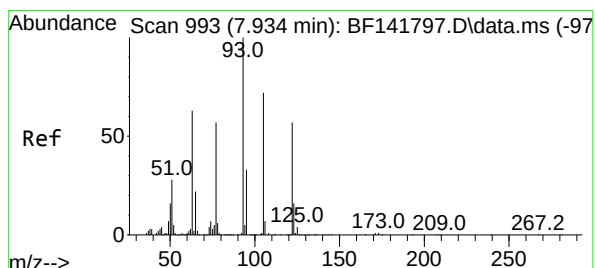
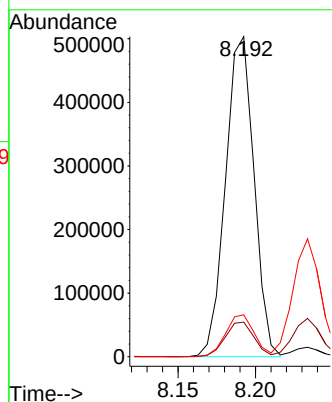
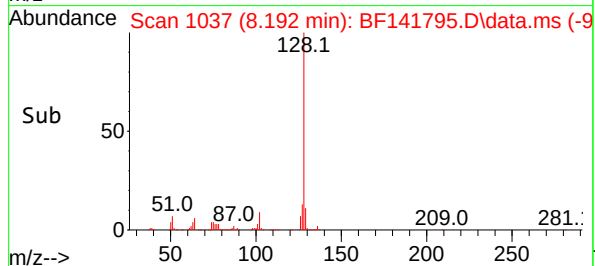
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 64362
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.1 11.0 16.4

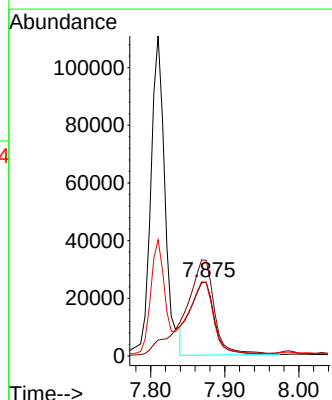
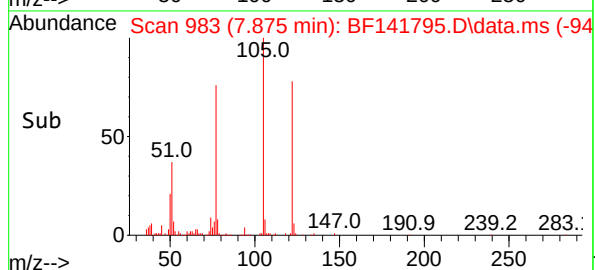
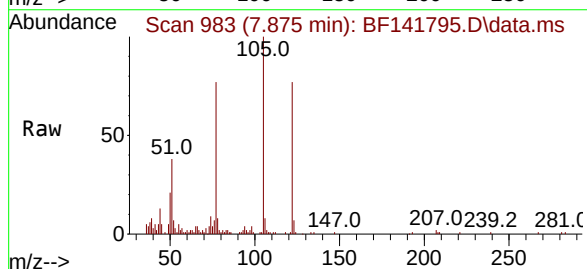
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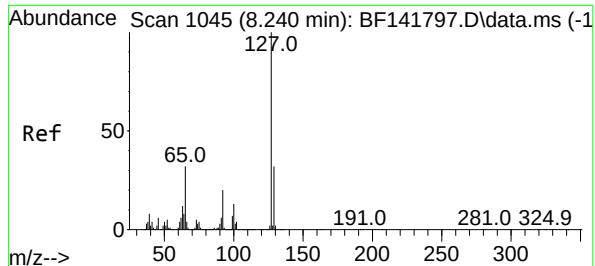
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

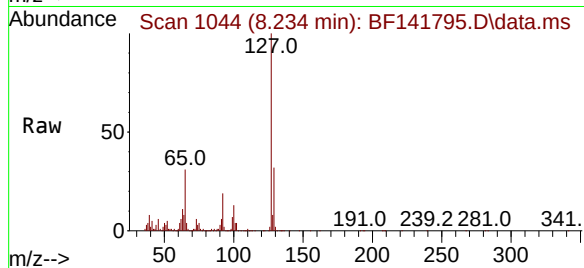
Tgt Ion:122 Resp: 58209
Ion Ratio Lower Upper
122 100
105 129.5 105.8 145.8
77 99.2 79.9 119.9





#33
4-Chloroaniline
Concen: 10.413 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

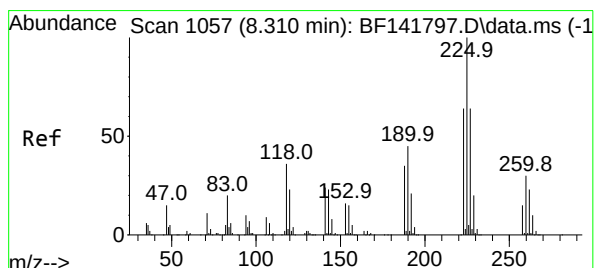
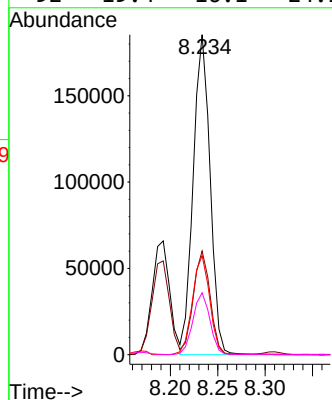
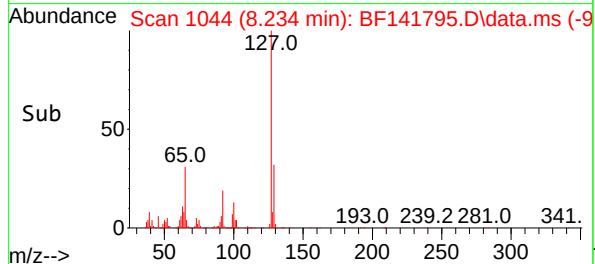
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:127 Resp: 23034
Ion Ratio Lower Upper
127 100
129 32.4 26.1 39.1
65 30.9 25.7 38.5
92 19.4 16.1 24.1

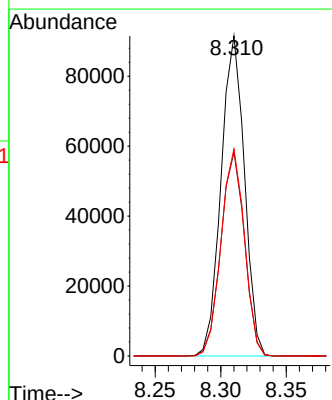
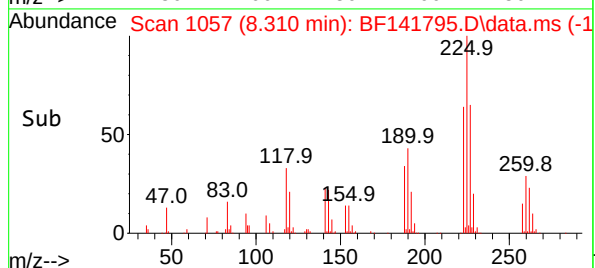
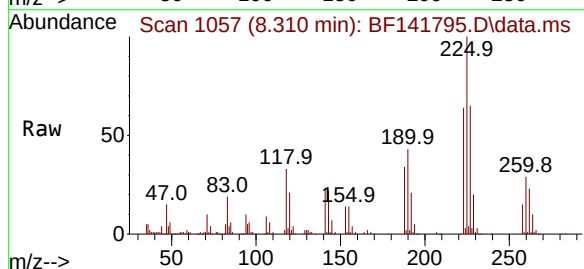
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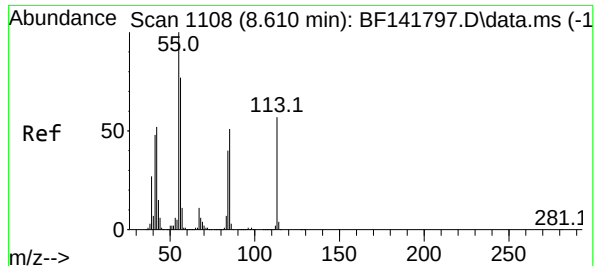
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

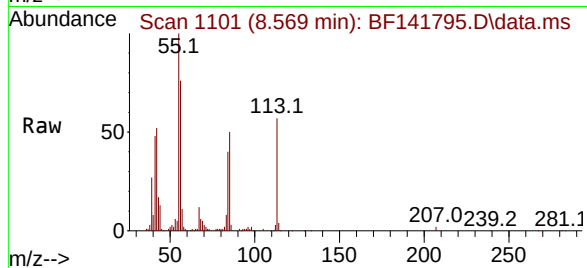
Tgt Ion:225 Resp: 113140
Ion Ratio Lower Upper
225 100
223 63.6 51.4 77.2
227 64.7 51.6 77.4





#35
Caprolactam
Concen: 9.855 ng
RT: 8.569 min Scan# 1108
Delta R.T. -0.041 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

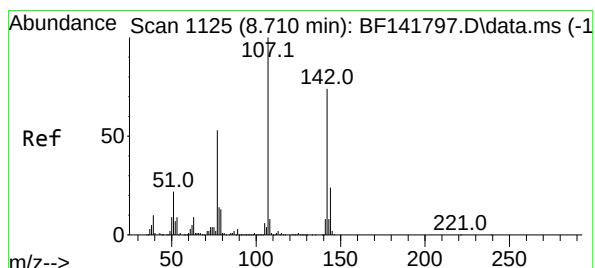
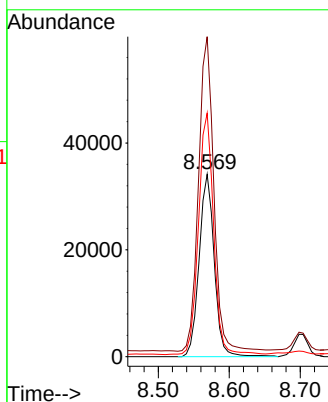
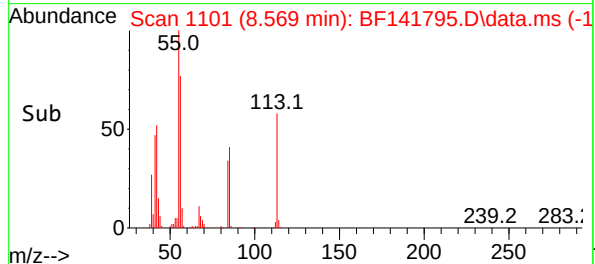
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:113 Resp: 50734
Ion Ratio Lower Upper
113 100
55 175.4 155.6 195.6
56 133.5 114.6 154.6

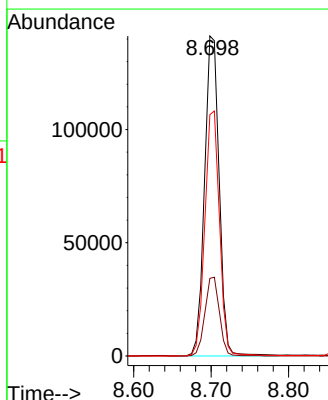
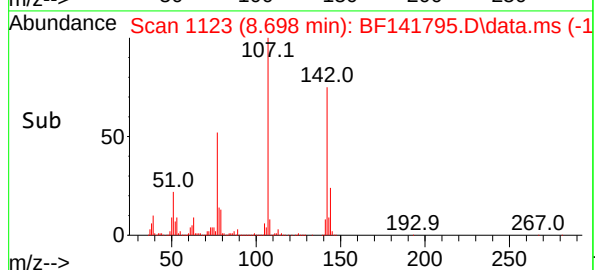
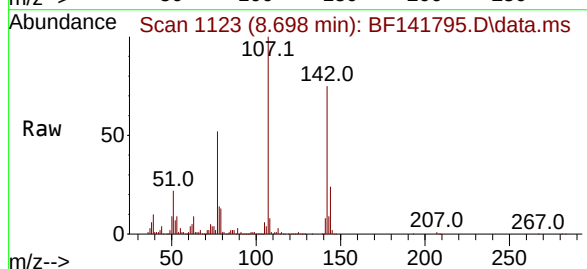
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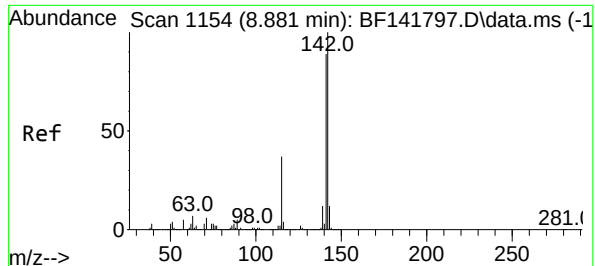
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

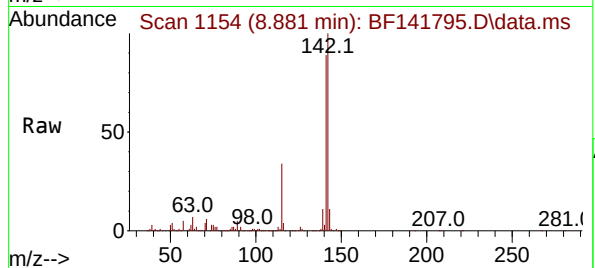
Tgt Ion:107 Resp: 185621
Ion Ratio Lower Upper
107 100
144 24.2 19.4 29.0
142 75.4 59.4 89.0





#37
2-Methylnaphthalene
Concen: 10.758 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

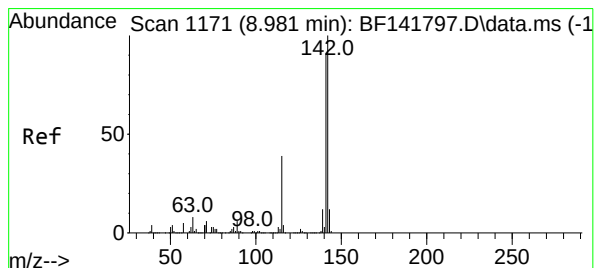
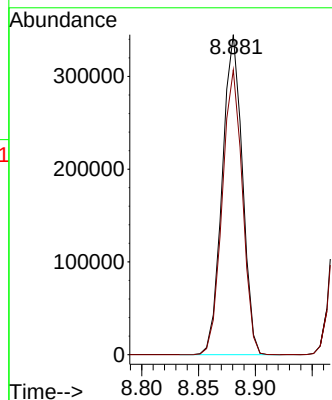
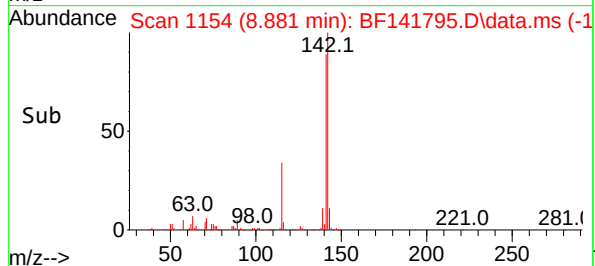
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 425720
Ion Ratio Lower Upper
142 100
141 89.0 71.1 106.7

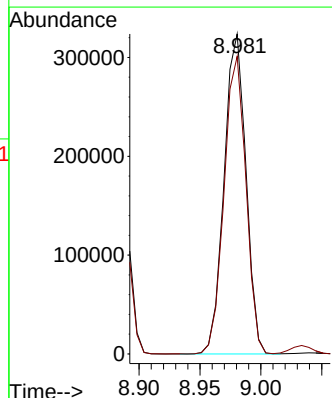
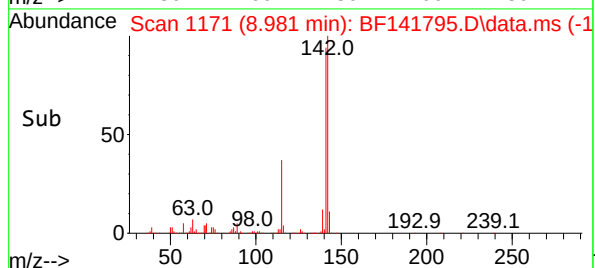
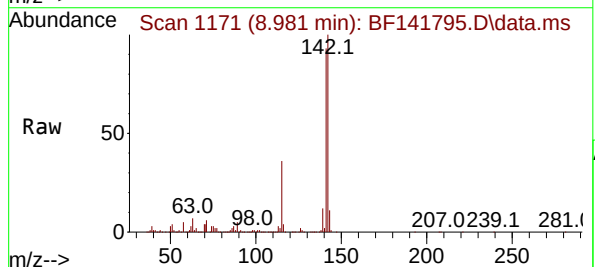
Manual Integrations
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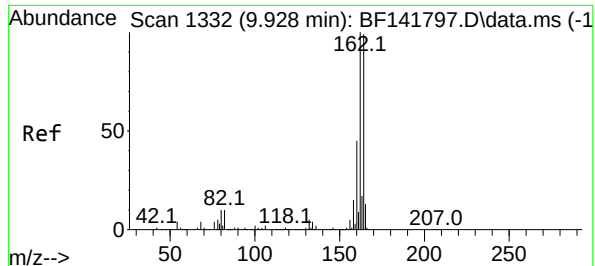
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:142 Resp: 404087
Ion Ratio Lower Upper
142 100
141 93.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF141795.D

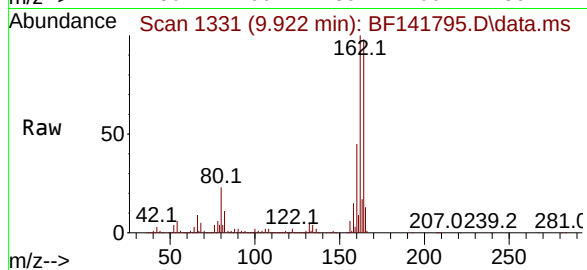
Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDIC010



Tgt Ion:164 Resp: 647904

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

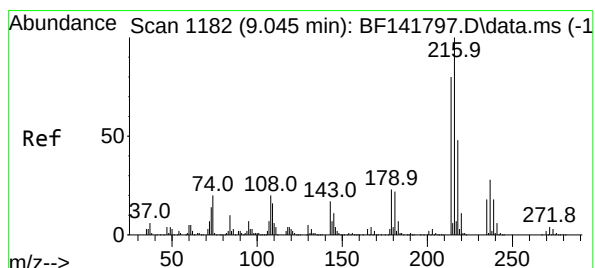
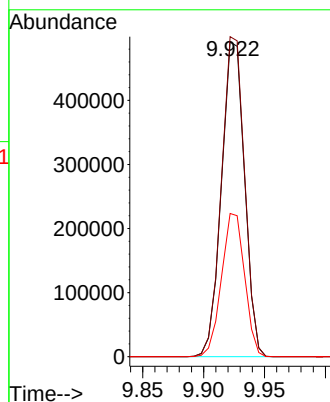
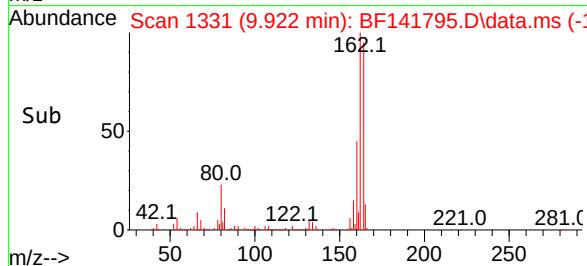
160 45.5 36.3 54.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.386 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Tgt Ion:216 Resp: 194342

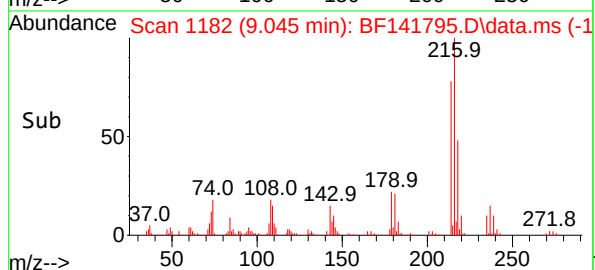
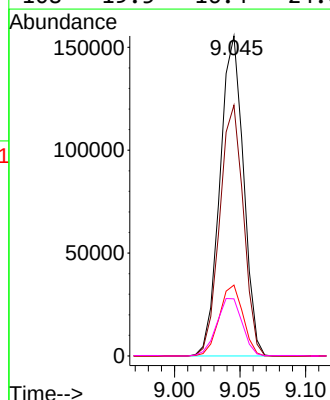
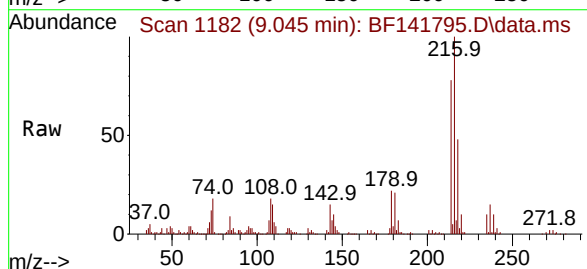
Ion Ratio Lower Upper

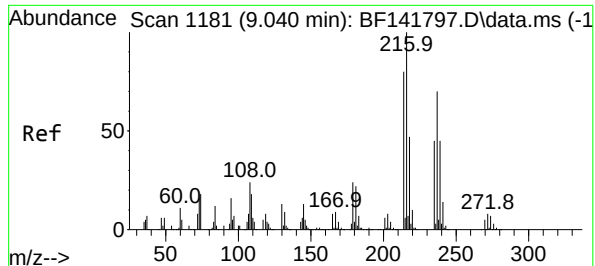
216 100

214 78.6 63.5 95.3

179 22.3 18.1 27.1

108 19.5 16.4 24.6





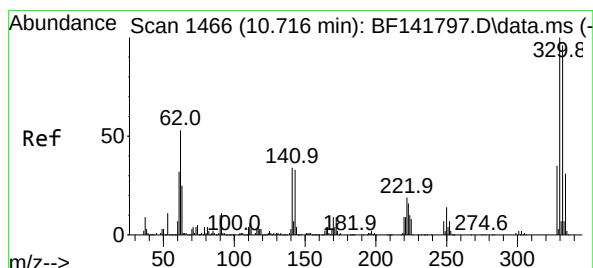
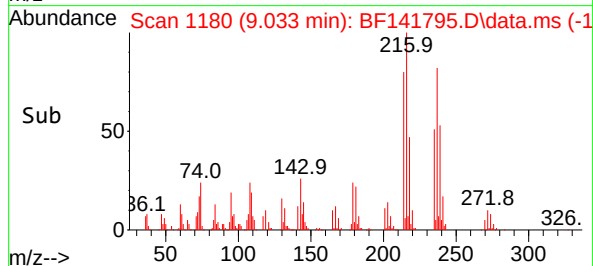
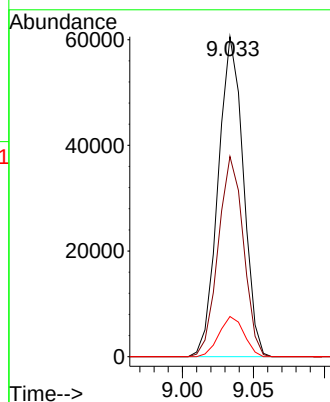
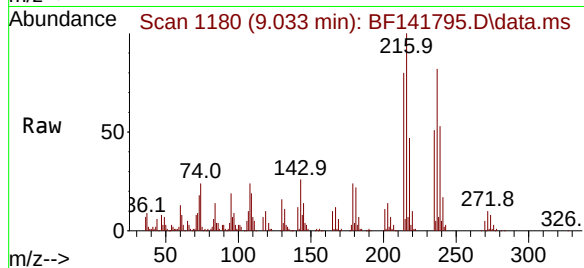
#41
Hexachlorocyclopentadiene
Concen: 9.533 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 74440
Ion Ratio Lower Upper
237 100
235 62.6 43.3 83.3
272 12.5 0.0 31.9

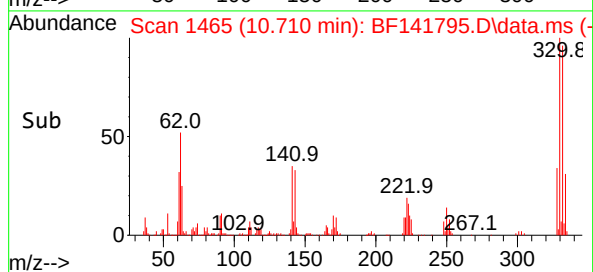
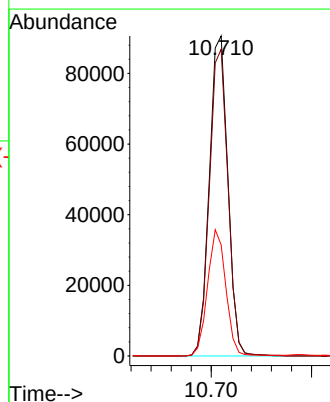
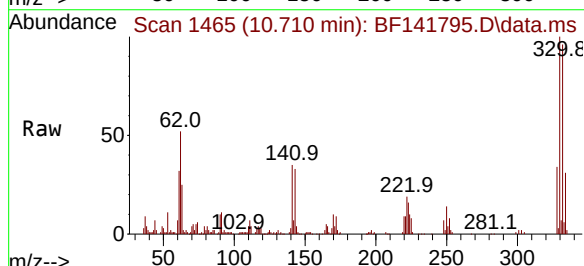
Manual Integrations
APPROVED

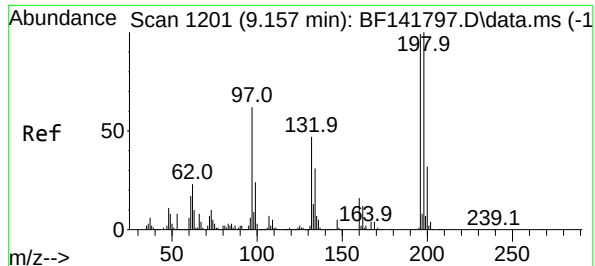
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:330 Resp: 116043
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 39.0 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 9.864 ng

RT: 9.151 min Scan# 119234

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:196 Resp: 119234

Ion Ratio Lower Upper

196 100

198 100.4 80.4 120.6

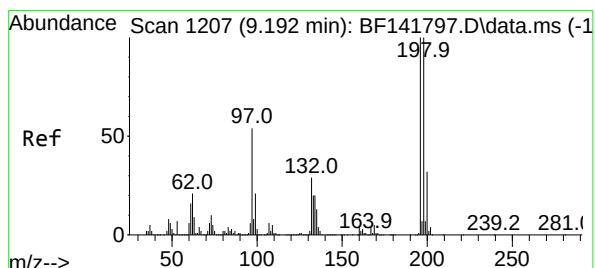
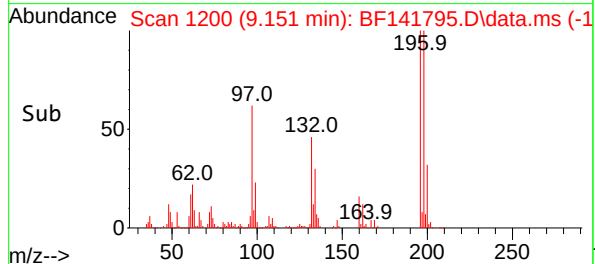
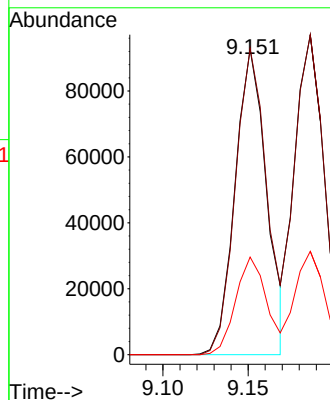
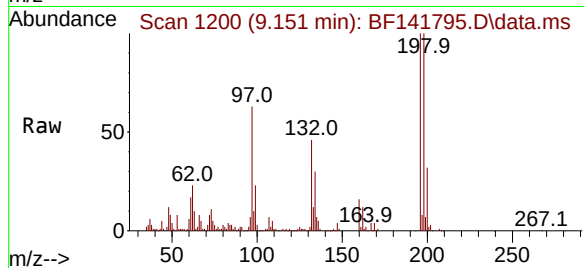
200 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 9.860 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Tgt Ion:196 Resp: 118017

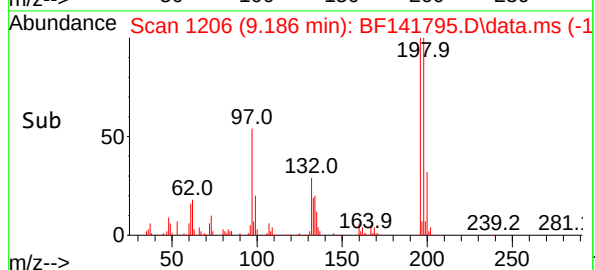
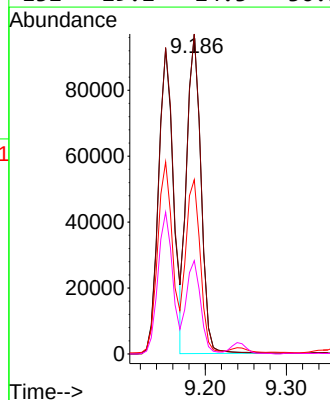
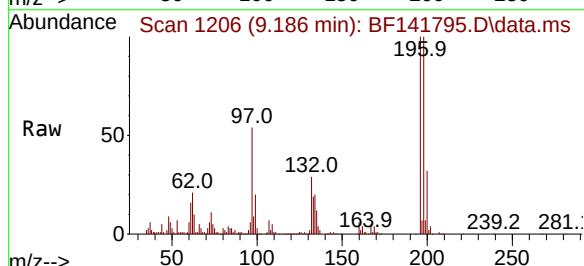
Ion Ratio Lower Upper

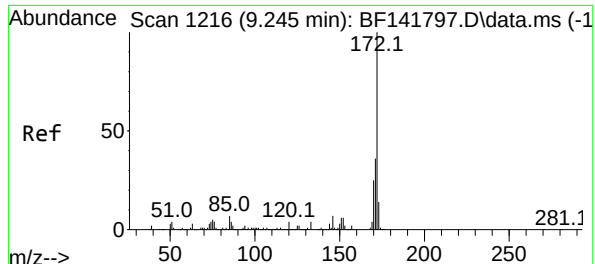
196 100

198 100.1 79.7 119.5

97 54.5 44.2 66.2

132 29.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 22.244 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 89879

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

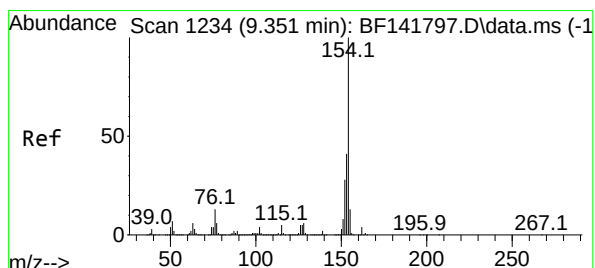
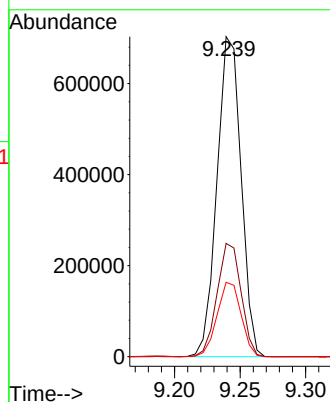
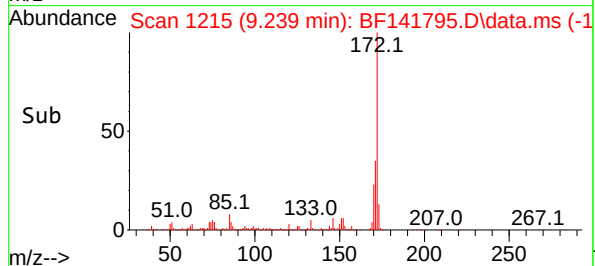
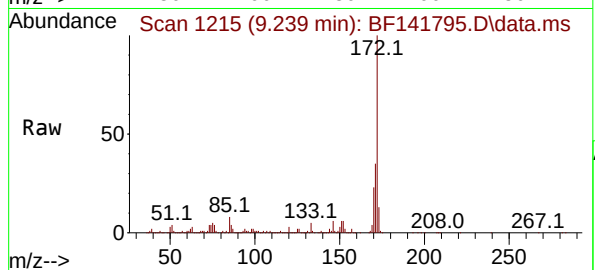
170 23.3 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#46

1,1'-Biphenyl

Concen: 10.896 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

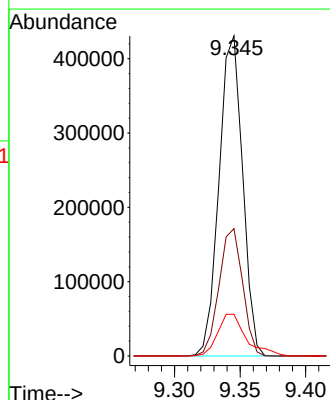
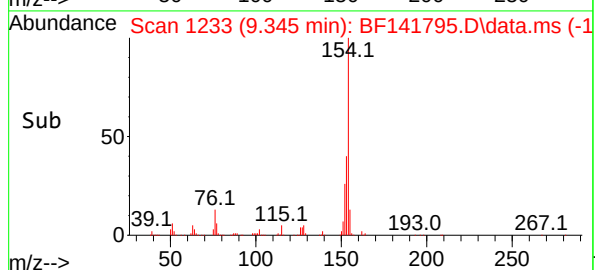
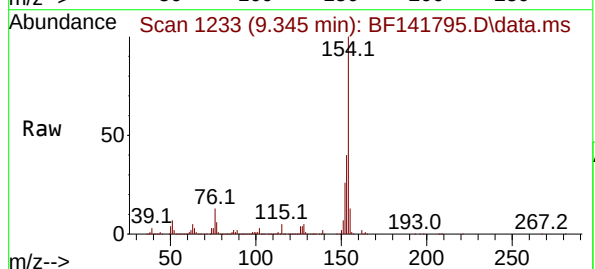
Tgt Ion:154 Resp: 537368

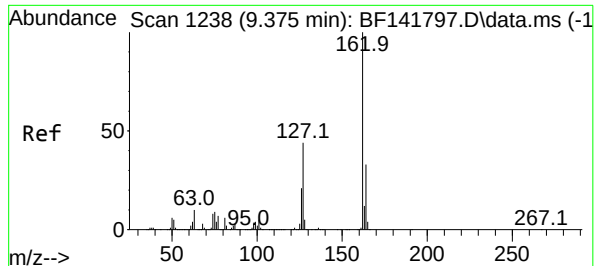
Ion Ratio Lower Upper

154 100

153 39.8 21.4 61.4

76 13.1 0.0 33.4





#47

2-Chloronaphthalene

Concen: 10.535 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141795.D

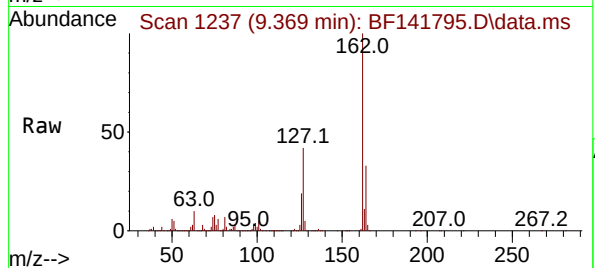
Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 38344

Ion Ratio Lower Upper

162 100

127 41.5 35.0 52.6

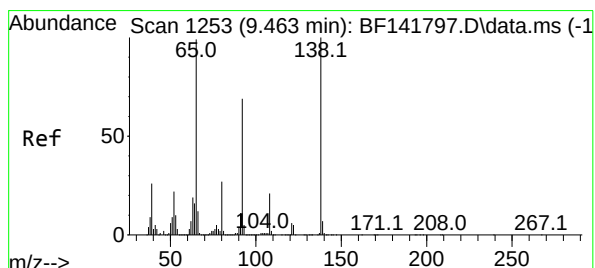
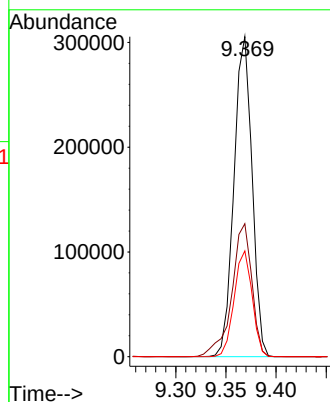
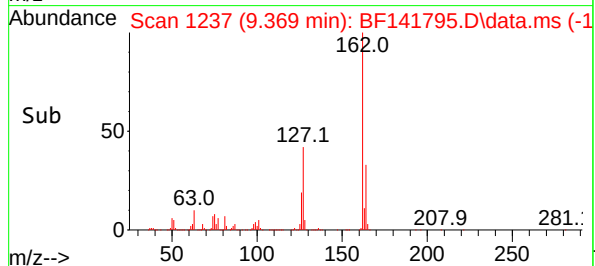
164 33.1 26.6 40.0

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#48

2-Nitroaniline

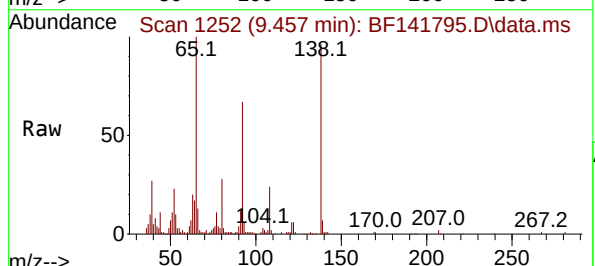
Concen: 9.877 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16



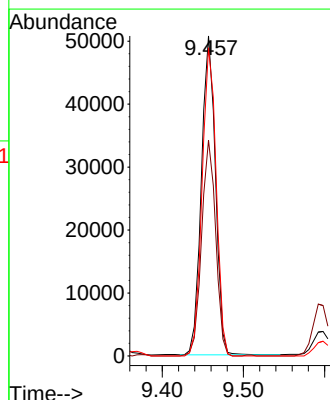
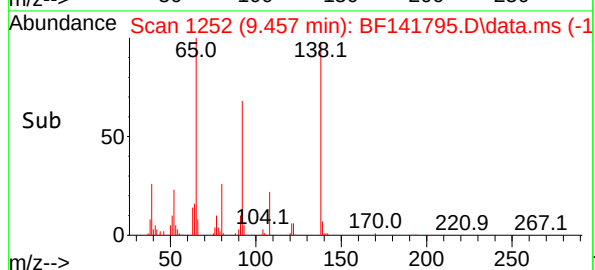
Tgt Ion: 65 Resp: 60658

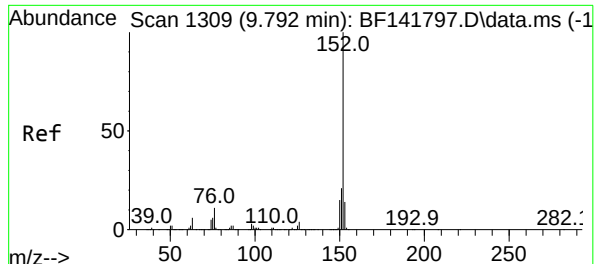
Ion Ratio Lower Upper

65 100

92 67.4 55.7 83.5

138 96.3 80.6 121.0





#49

Acenaphthylene

Concen: 10.739 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 58606

Ion Ratio Lower Upper

152 100

151 19.9 16.6 24.8

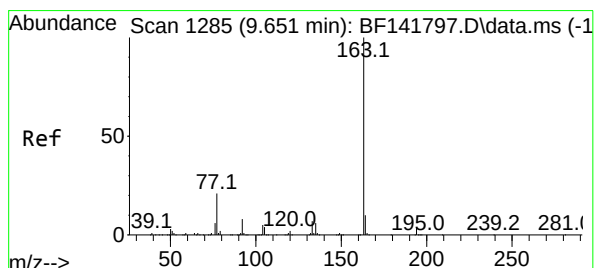
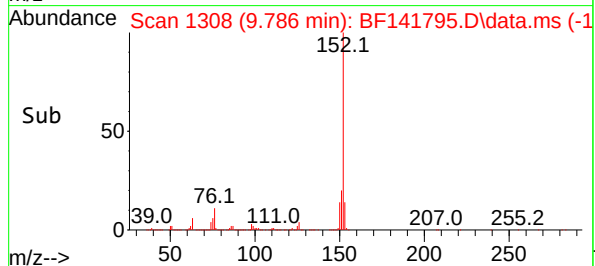
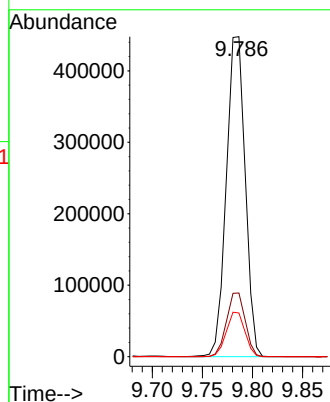
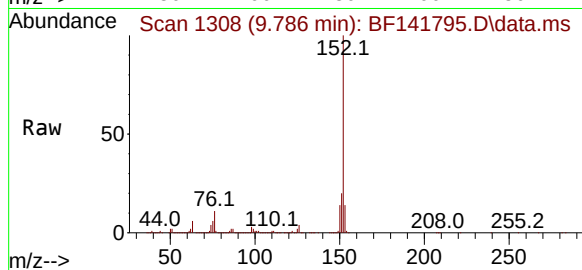
153 13.7 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 10.491 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

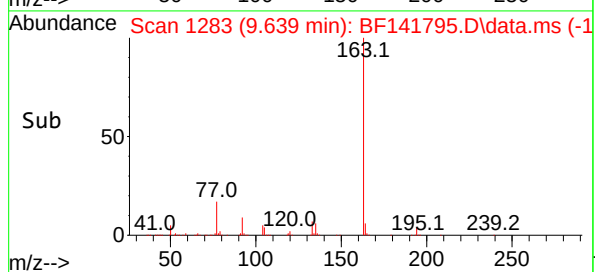
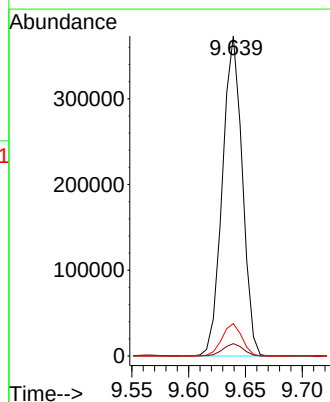
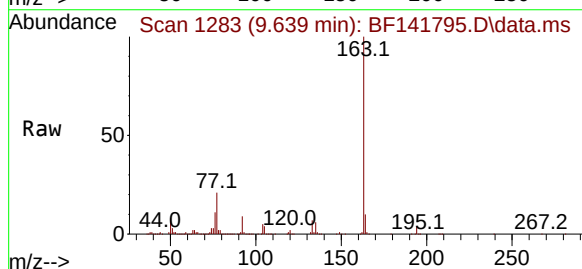
Tgt Ion:163 Resp: 455190

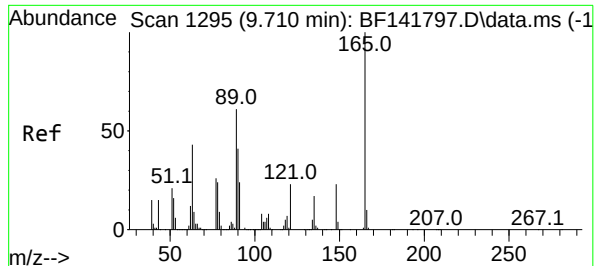
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.1 8.4 12.6





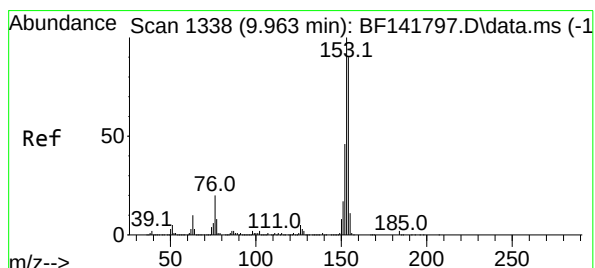
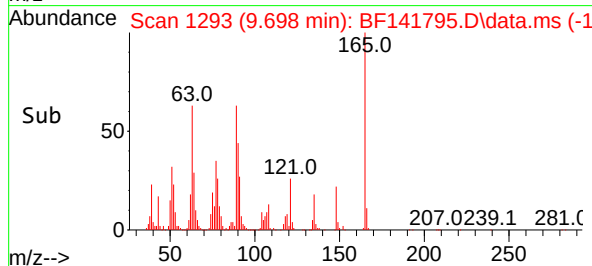
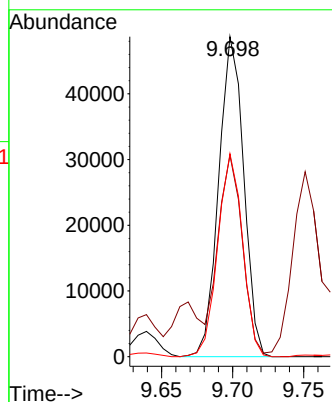
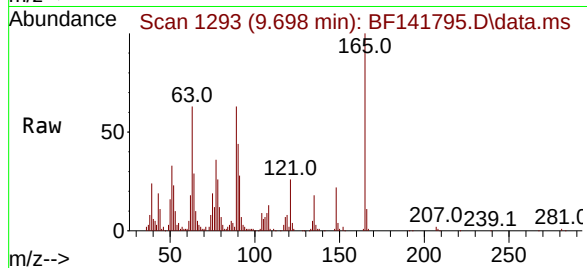
#51
2,6-Dinitrotoluene
Concen: 9.588 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 5961
Ion Ratio Lower Upper
165 100
63 62.9 49.5 74.3
89 63.4 49.0 73.4

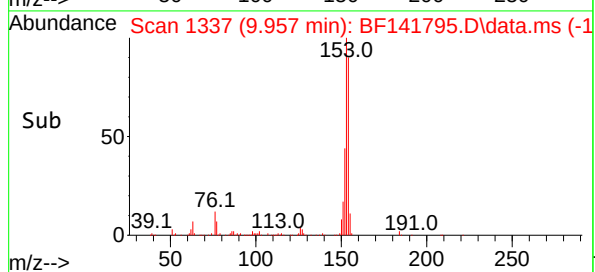
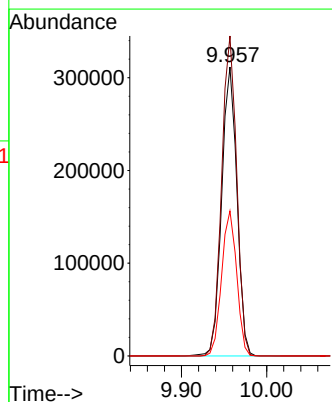
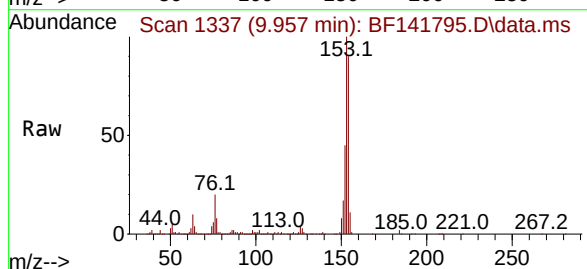
Manual Integrations
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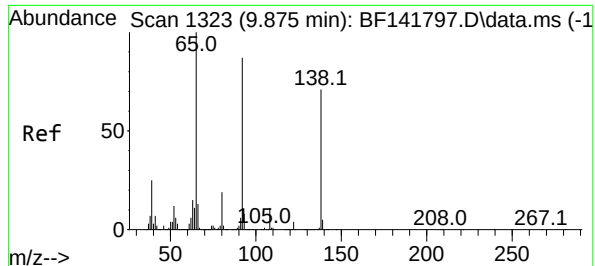
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

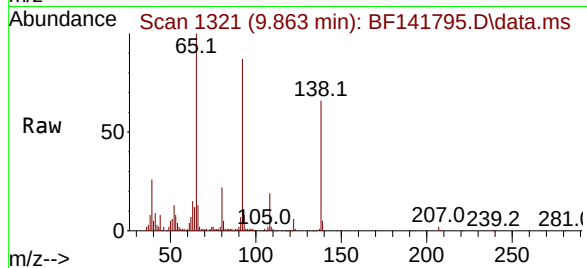
Tgt Ion:154 Resp: 389154
Ion Ratio Lower Upper
154 100
153 110.7 88.7 133.1
152 50.2 40.9 61.3





#53
3-Nitroaniline
Concen: 9.606 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

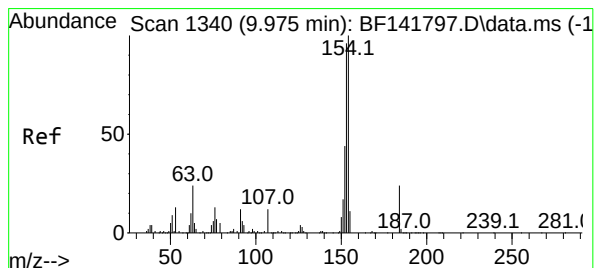
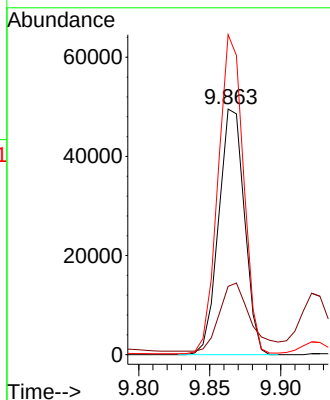
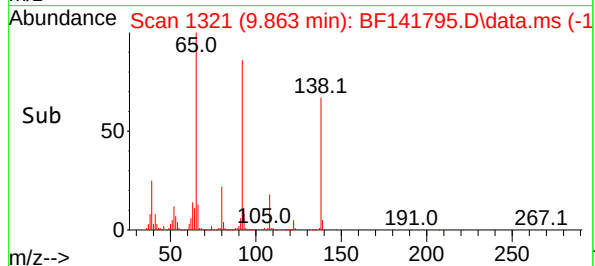
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 62569
Ion Ratio Lower Upper
138 100
108 27.8 12.7 19.1#
92 130.3 97.9 146.9

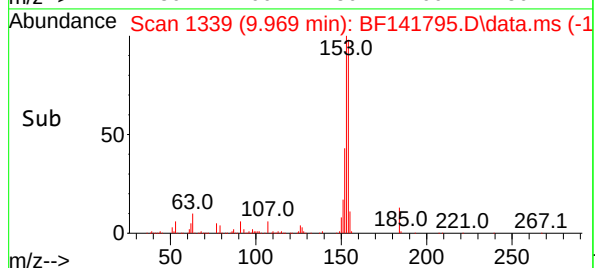
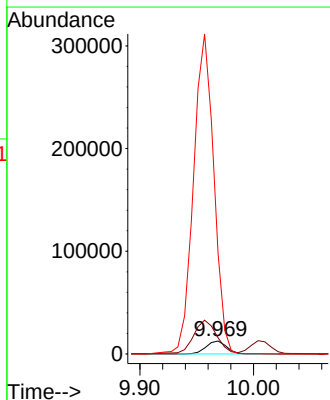
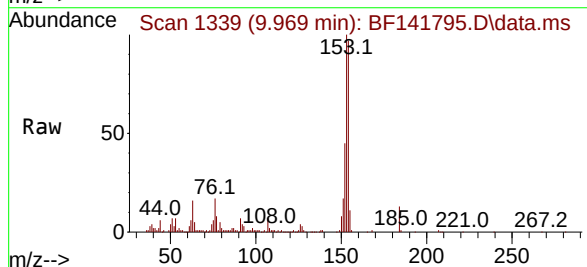
Manual Integrations
APPROVED

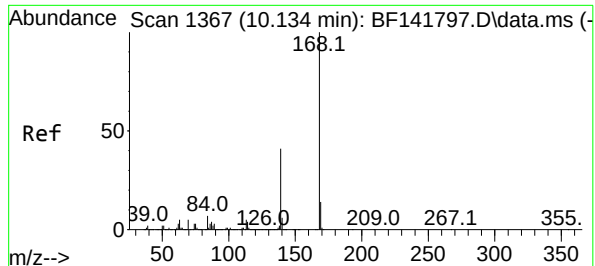
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

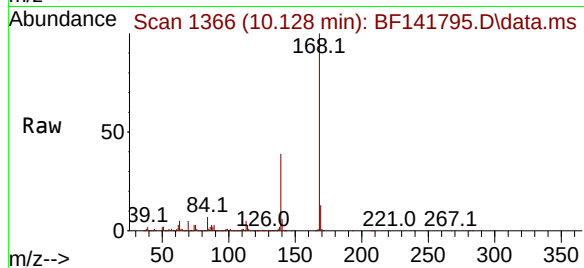
Tgt Ion:184 Resp: 15803
Ion Ratio Lower Upper
184 100
63 124.5 79.0 118.6#
154 775.6 335.8 503.8#





#55
Dibenzofuran
Concen: 10.843 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

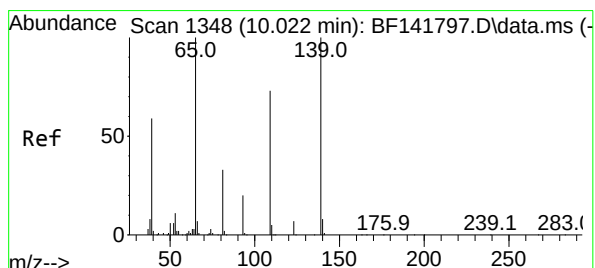
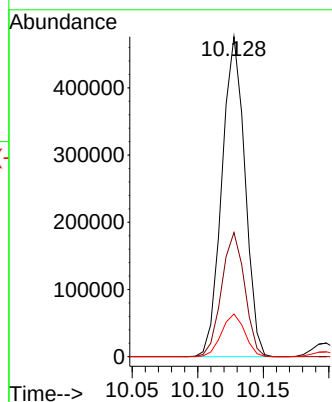
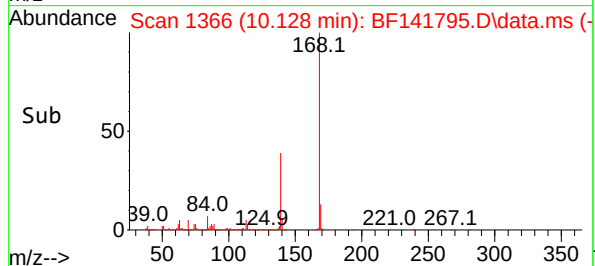
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:168 Resp: 581120
Ion Ratio Lower Upper
168 100
139 38.8 32.9 49.3
169 13.4 11.1 16.7

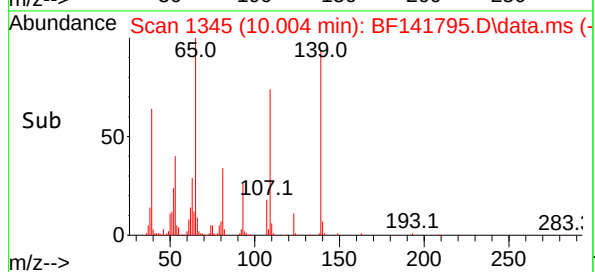
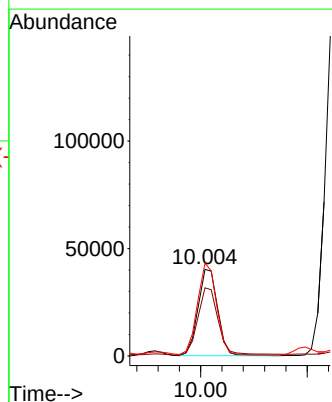
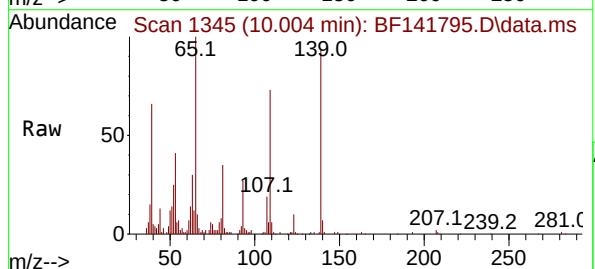
Manual Integrations
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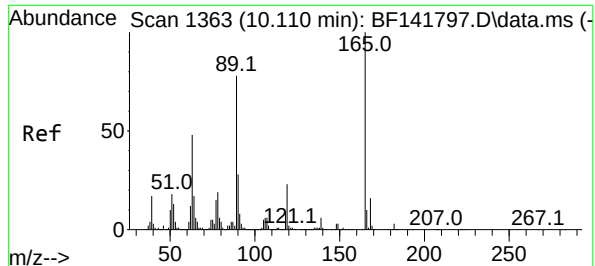
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

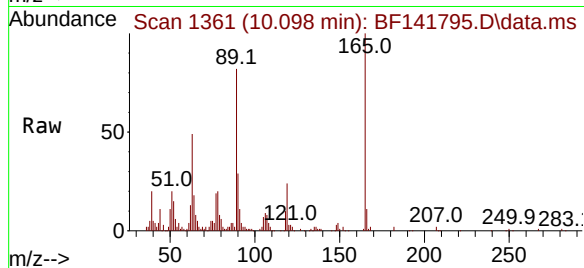
Tgt Ion:139 Resp: 51406
Ion Ratio Lower Upper
139 100
109 78.6 53.4 93.4
65 107.2 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 9.401 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

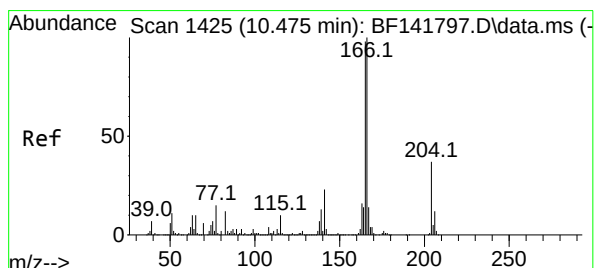
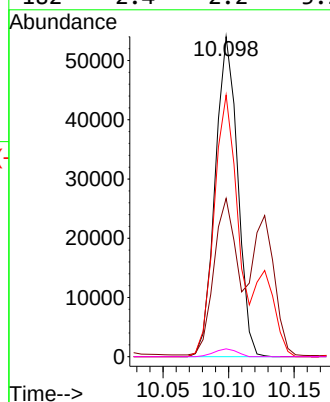
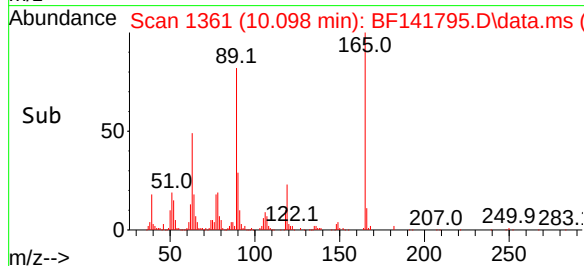
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



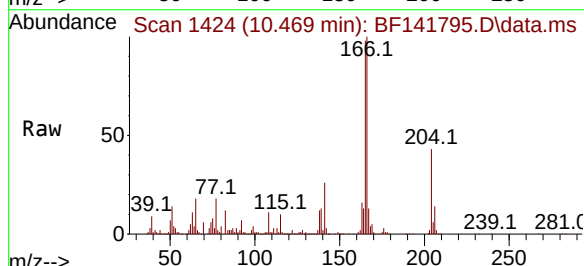
Tgt Ion:165 Resp: 6429
Ion Ratio Lower Upper
165 100
63 49.5 38.8 58.2
89 81.7 62.6 94.0
182 2.4 2.2 3.2

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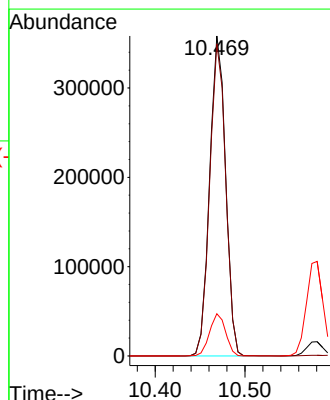
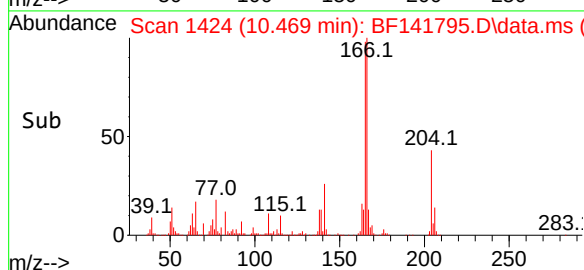
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

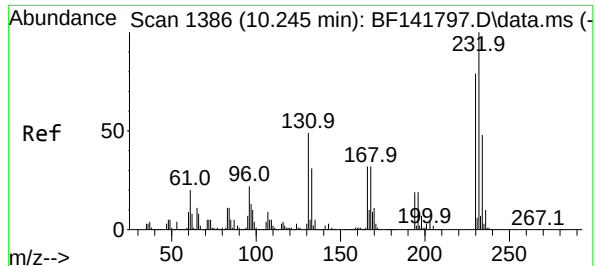


#58
Fluorene
Concen: 11.027 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16



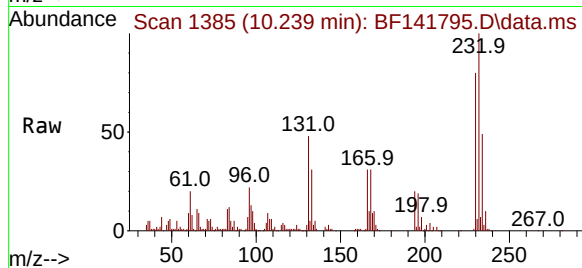
Tgt Ion:166 Resp: 442697
Ion Ratio Lower Upper
166 100
165 97.5 78.6 117.8
167 13.2 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.772 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

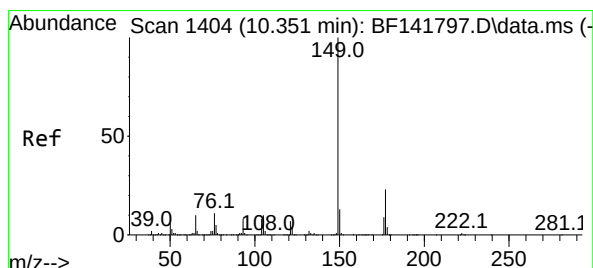
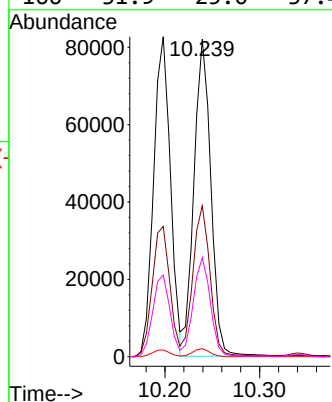
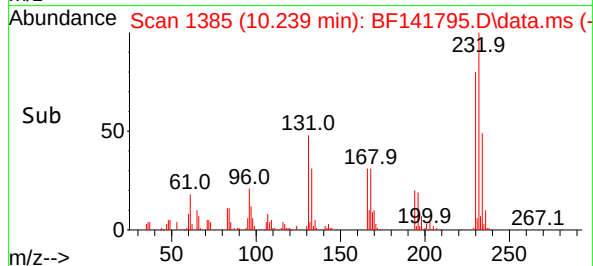
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 101729
Ion Ratio Lower Upper
232 100
131 47.7 37.8 56.8
130 2.6 2.0 3.0
166 31.9 25.0 37.4

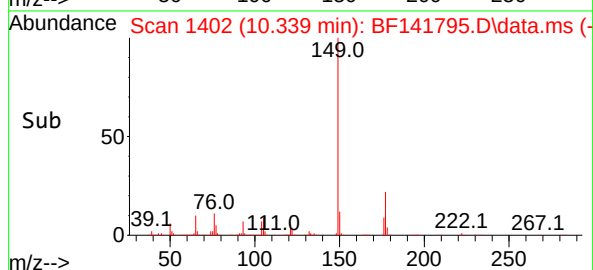
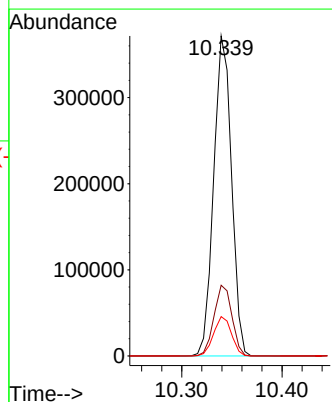
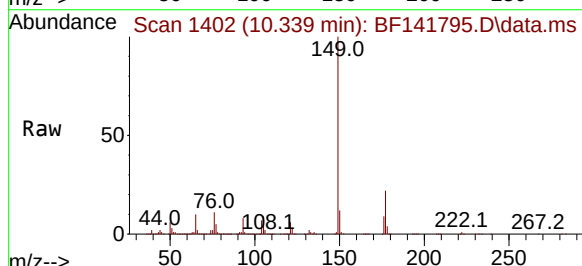
Manual Integrations
APPROVED

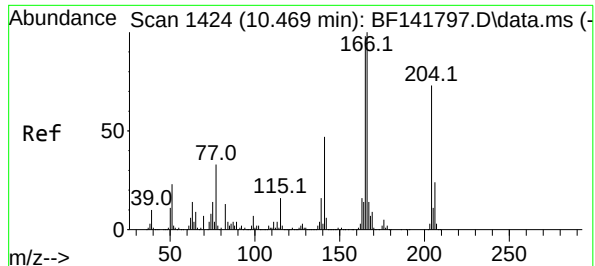
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

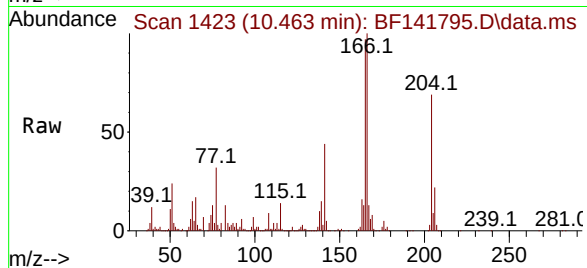
Tgt Ion:149 Resp: 457600
Ion Ratio Lower Upper
149 100
177 22.1 18.3 27.5
150 12.3 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.703 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

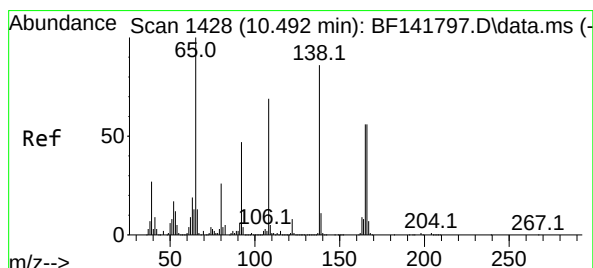
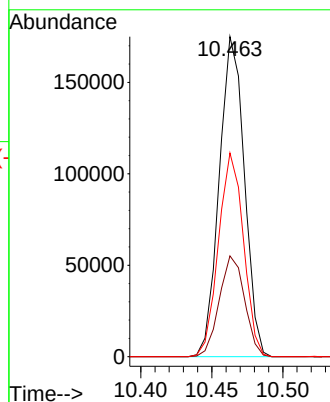
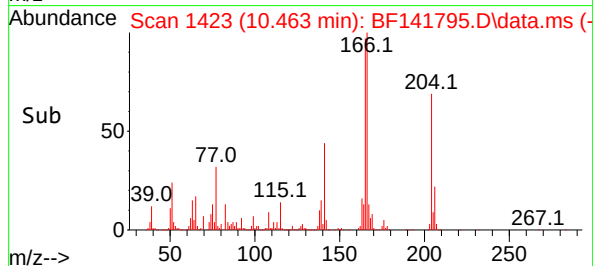
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



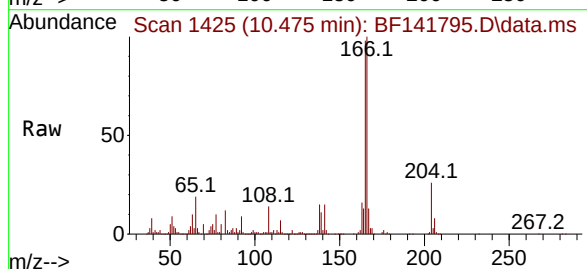
Tgt Ion:204 Resp: 215289
Ion Ratio Lower Upper
204 100
206 31.5 26.2 39.4
141 63.7 51.7 77.5

Manual Integrations
APPROVED

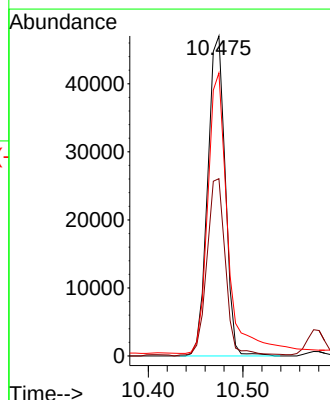
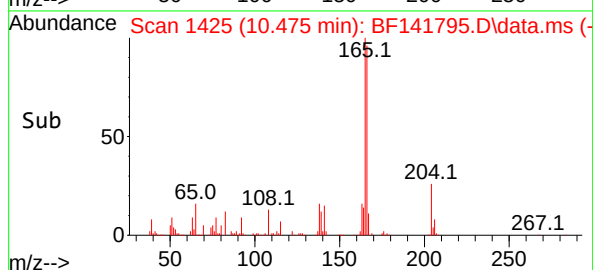
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

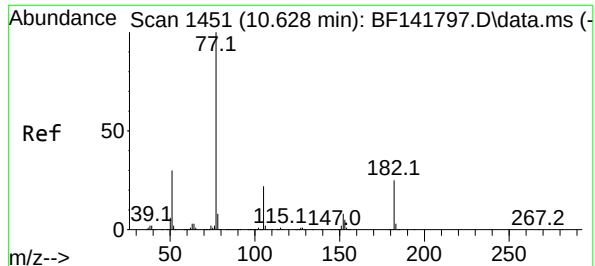


#62
4-Nitroaniline
Concen: 8.172 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16



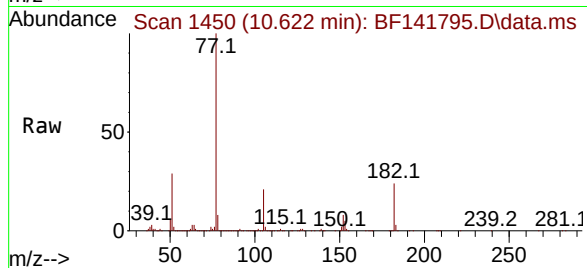
Tgt Ion:138 Resp: 60552
Ion Ratio Lower Upper
138 100
92 55.4 34.9 74.9
108 88.5 59.6 99.6





#63
Azobenzene
Concen: 10.631 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

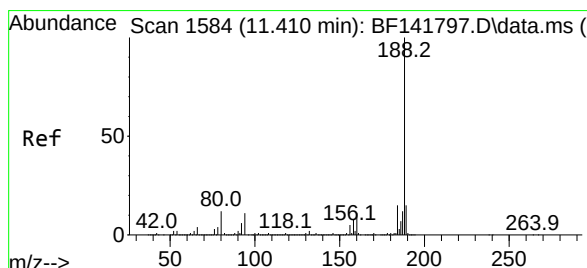
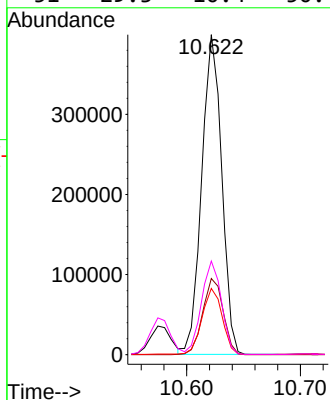
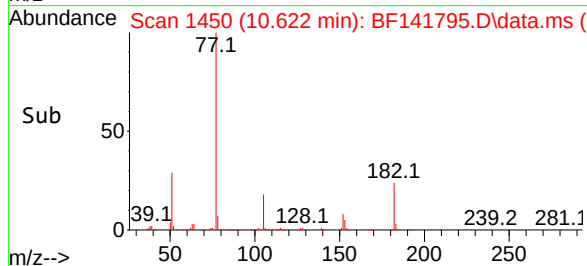
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 486878
Ion Ratio Lower Upper
77 100
182 23.8 4.2 44.2
105 20.7 1.5 41.5
51 29.3 10.4 50.4

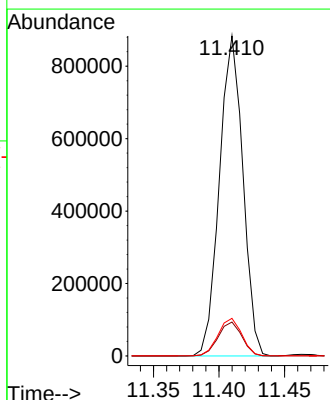
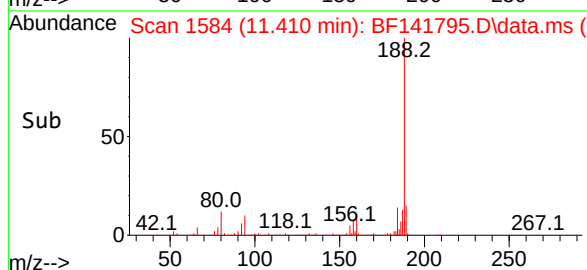
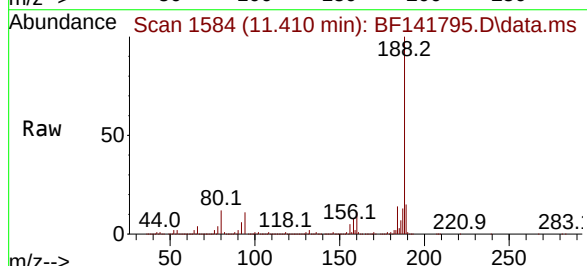
Manual Integrations
APPROVED

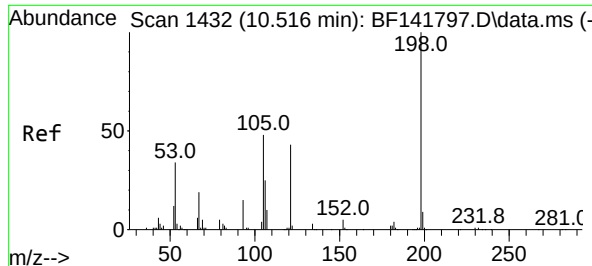
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

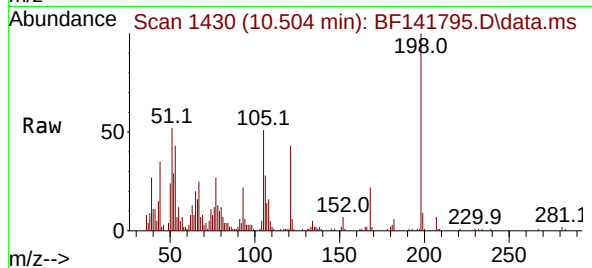
Tgt Ion:188 Resp: 1098842
Ion Ratio Lower Upper
188 100
94 10.6 8.9 13.3
80 11.7 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 11.957 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

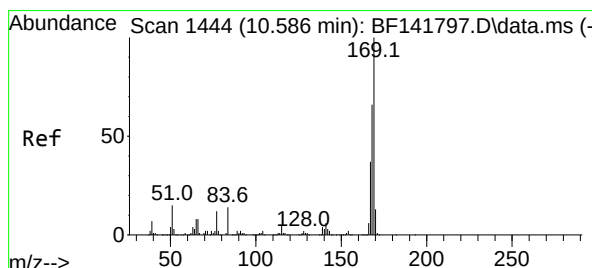
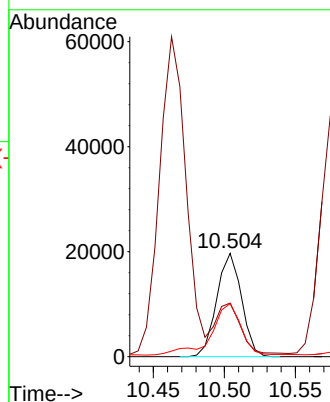
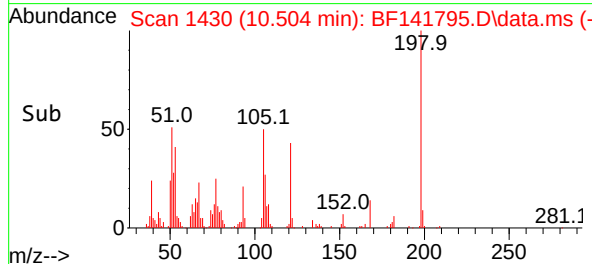
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:198 Resp: 2386
Ion Ratio Lower Upper
198 100
51 51.8 32.1 72.1
105 51.4 28.5 68.5

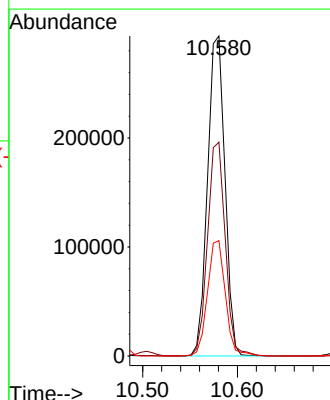
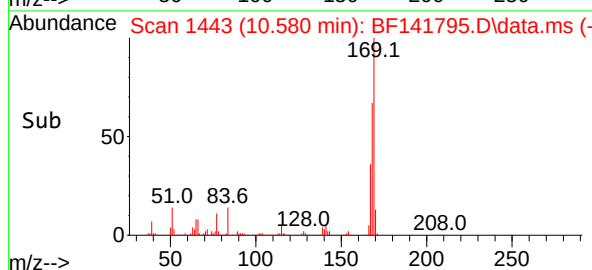
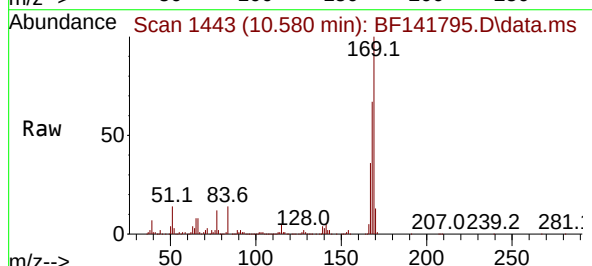
Manual Integrations
APPROVED

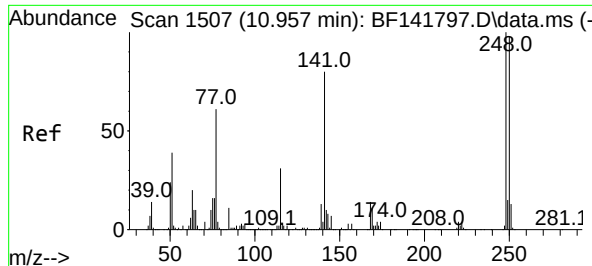
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

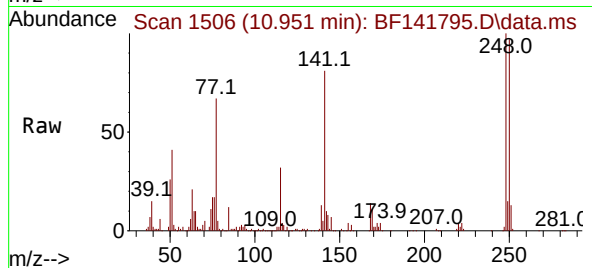
Tgt Ion:169 Resp: 374119
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.6
167 36.1 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 10.165 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

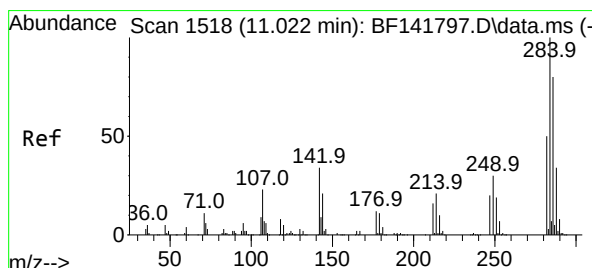
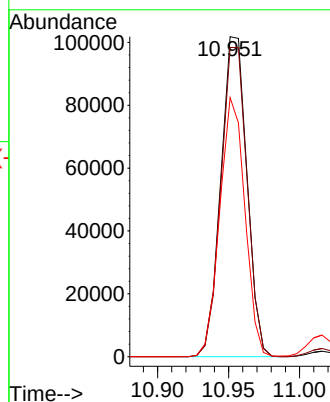
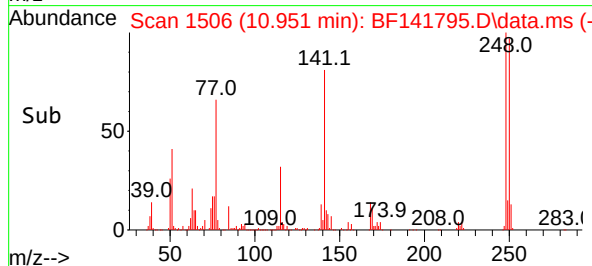
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:248 Resp: 13046
Ion Ratio Lower Upper
248 100
250 96.6 78.1 117.1
141 81.0 64.3 96.5

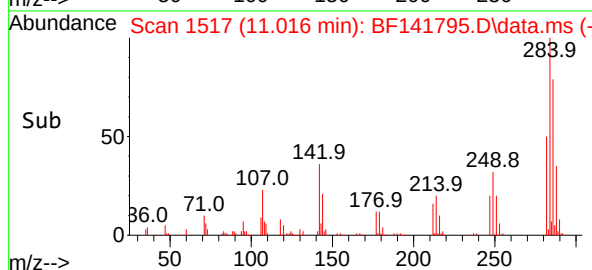
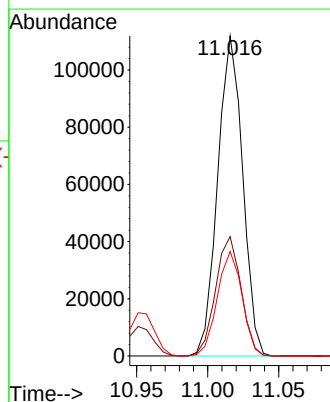
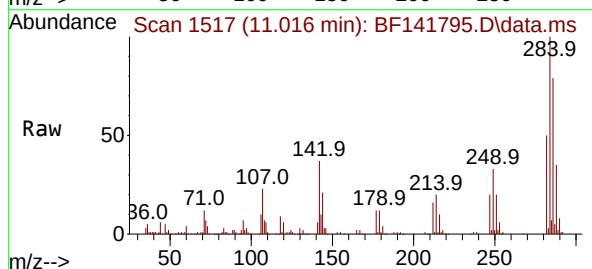
Manual Integrations
APPROVED

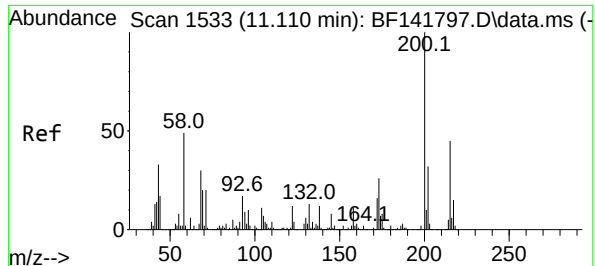
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:284 Resp: 136626
Ion Ratio Lower Upper
284 100
142 37.3 28.2 42.2
249 32.7 25.5 38.3





#69

Atrazine

Concen: 11.517 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 114270

Ion Ratio Lower Upper

200 100

173 25.9 5.6 45.6

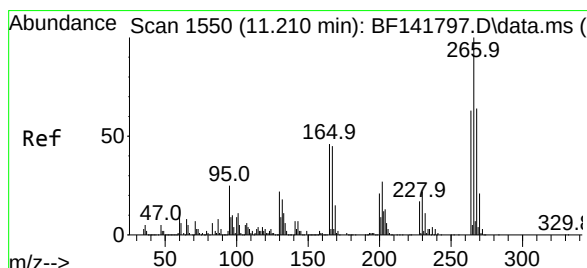
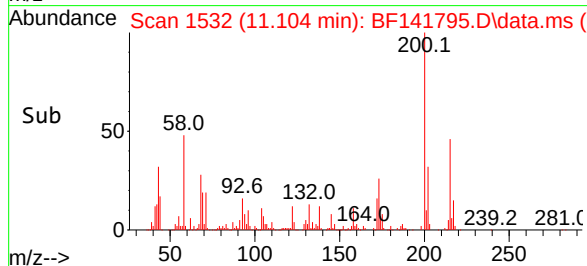
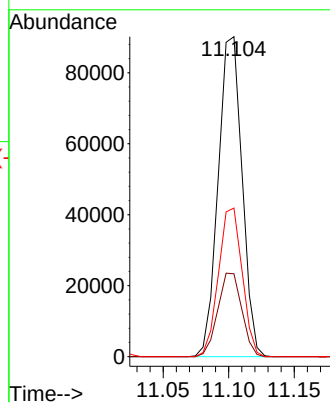
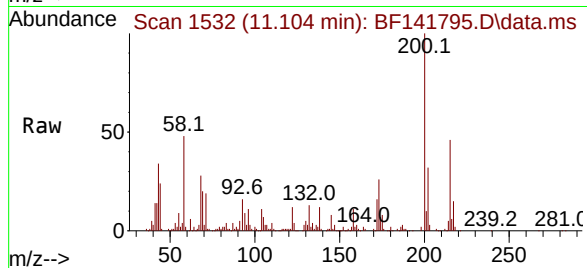
215 46.5 25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#70

Pentachlorophenol

Concen: 9.334 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

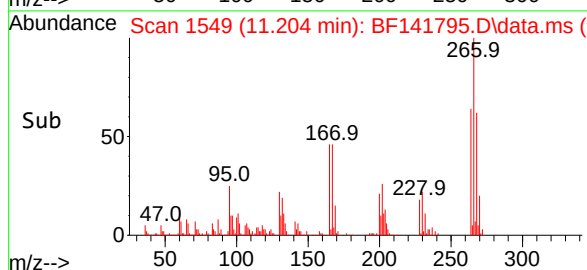
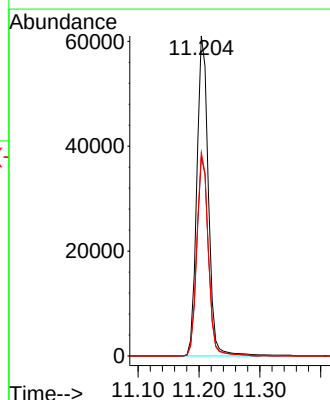
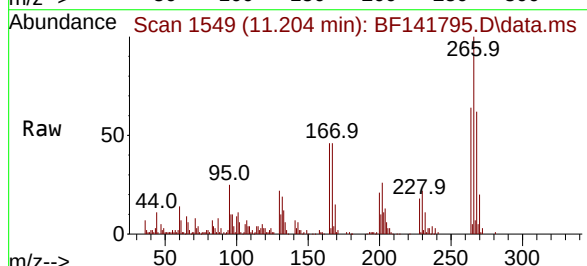
Tgt Ion:266 Resp: 80231

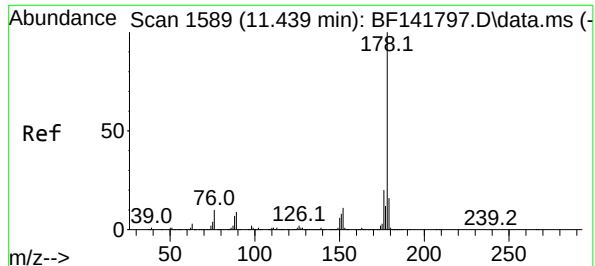
Ion Ratio Lower Upper

266 100

268 62.2 50.9 76.3

264 63.6 50.2 75.4





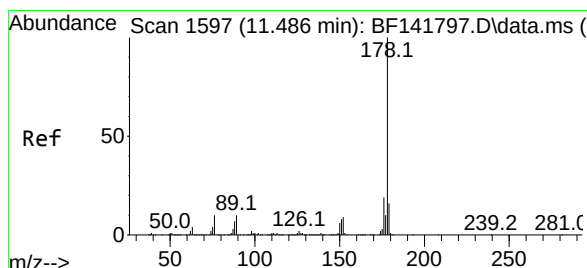
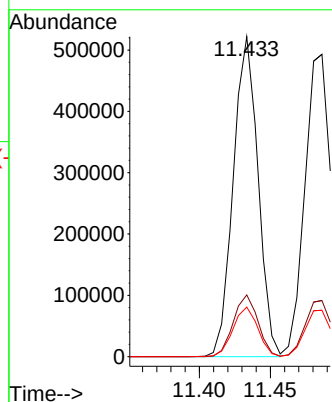
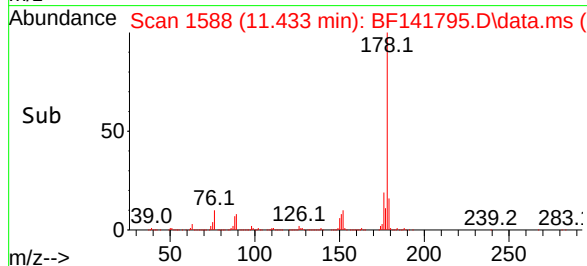
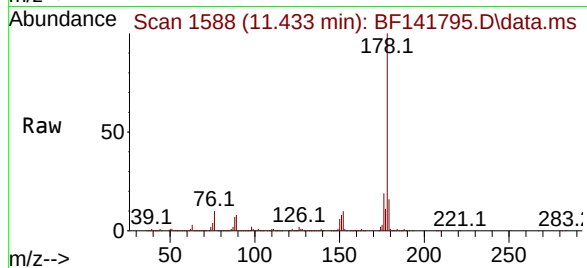
#71
Phenanthrene
Concen: 10.764 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 632699
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.5 12.6 19.0

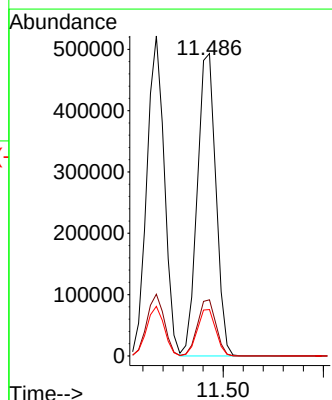
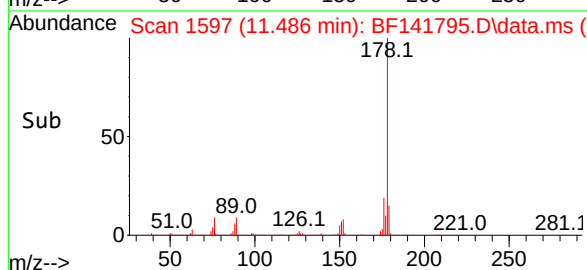
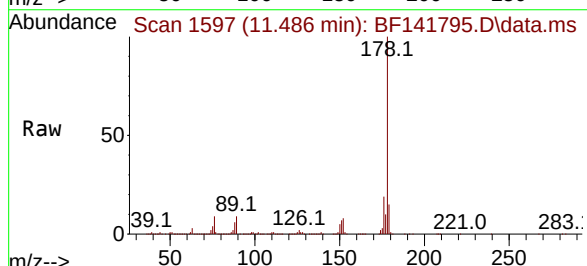
Manual Integrations
APPROVED

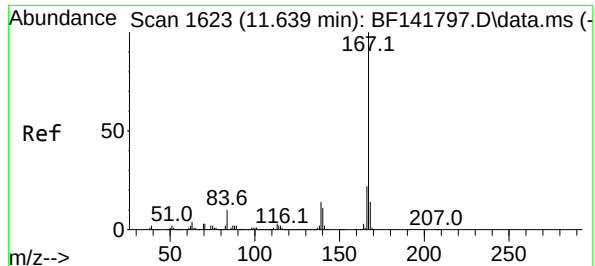
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

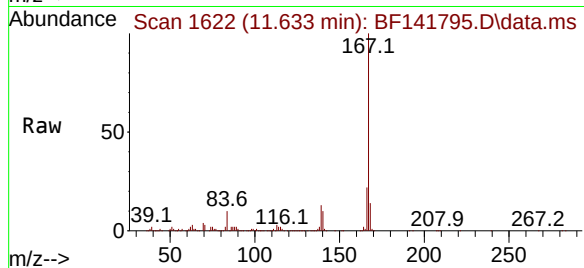
Tgt Ion:178 Resp: 635314
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.4 12.8 19.2





#73
Carbazole
Concen: 10.667 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

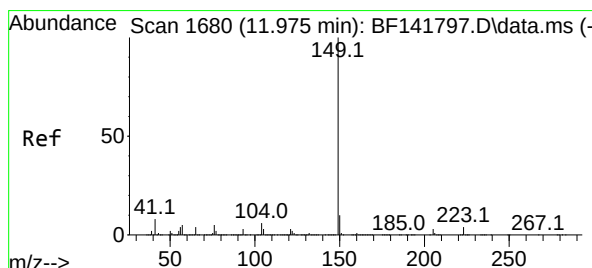
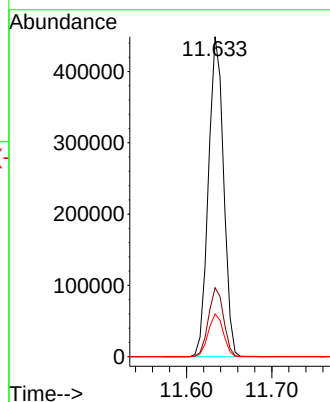
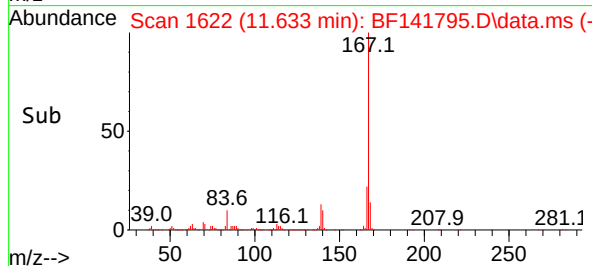
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 554900
Ion Ratio Lower Upper
167 100
166 21.6 17.5 26.3
139 13.3 11.3 16.9

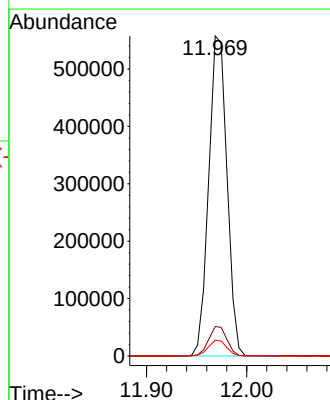
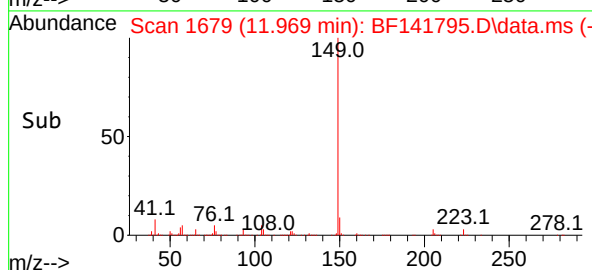
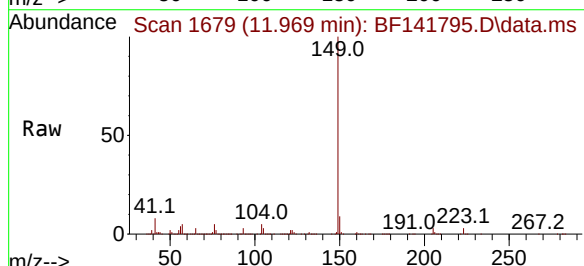
Manual Integrations
APPROVED

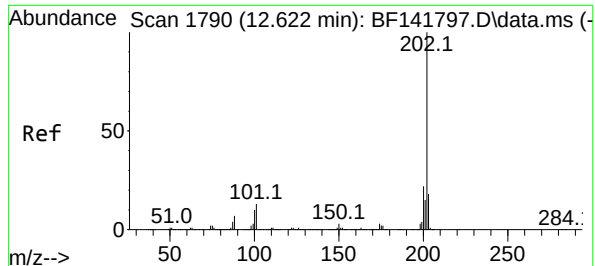
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

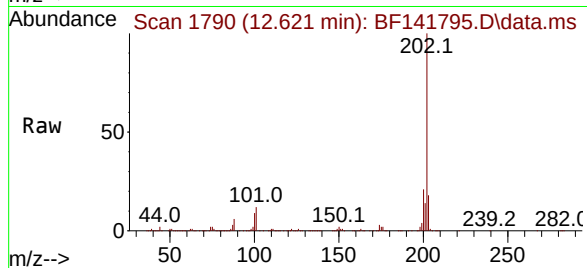
Tgt Ion:149 Resp: 709254
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 4.9 4.4 6.6





#75
Fluoranthene
Concen: 11.098 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

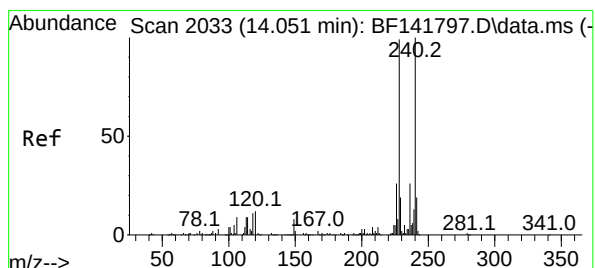
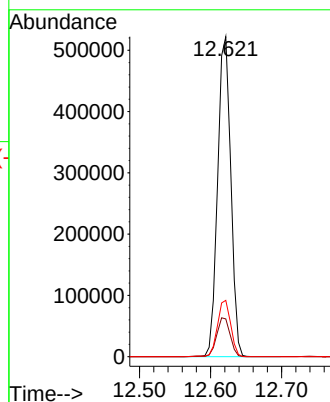
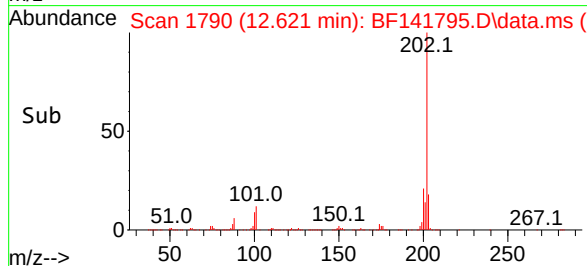
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 668370
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.8
203 17.6 0.0 38.0

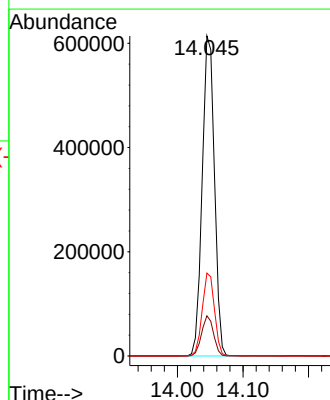
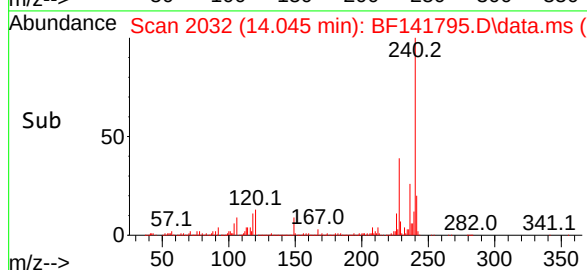
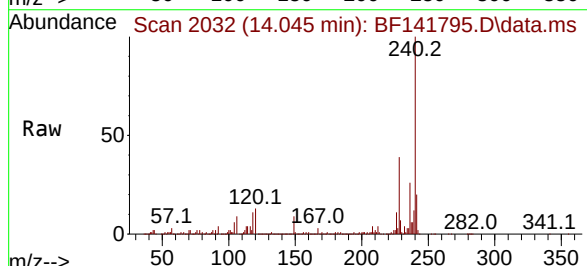
Manual Integrations
APPROVED

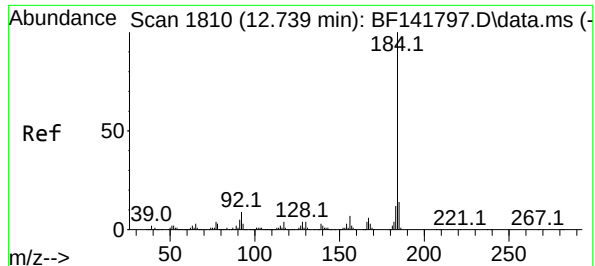
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

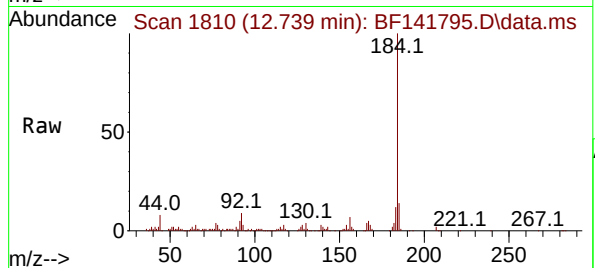
Tgt Ion:240 Resp: 800194
Ion Ratio Lower Upper
240 100
120 12.6 9.7 14.5
236 25.9 21.0 31.4





#77
Benzidine
Concen: 13.588 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

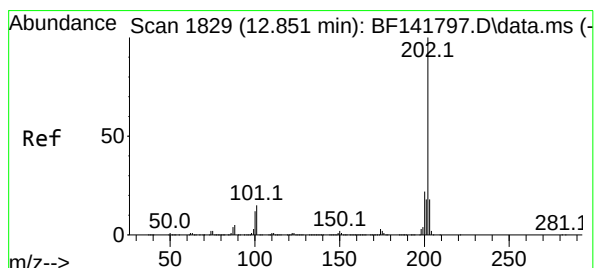
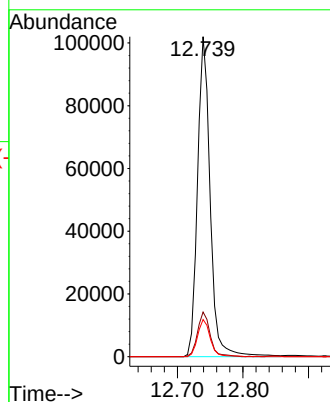
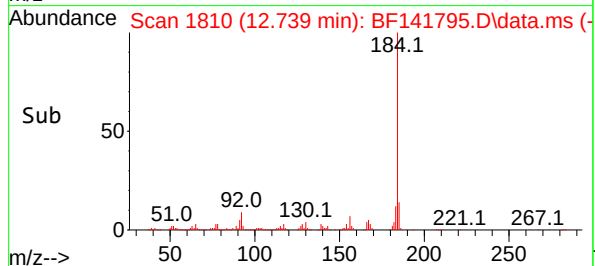
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 13685
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 11.6 9.4 14.0

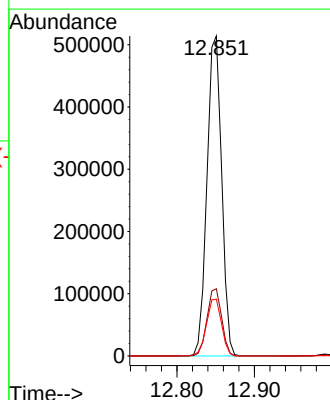
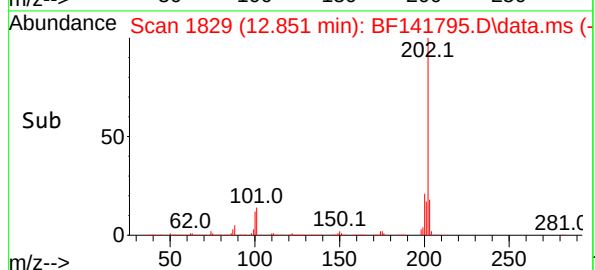
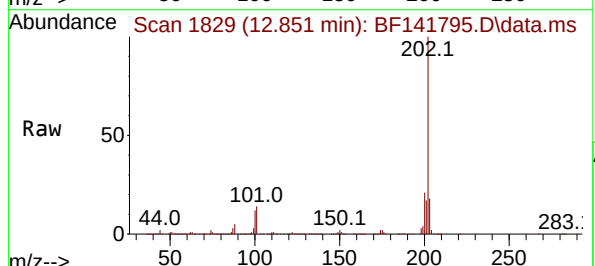
Manual Integrations
APPROVED

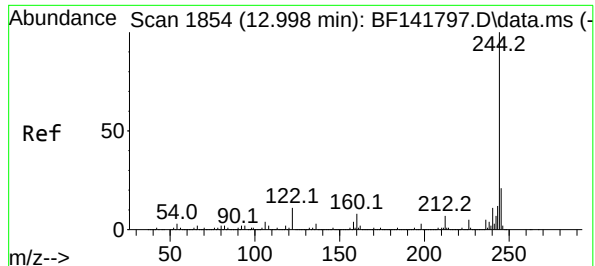
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

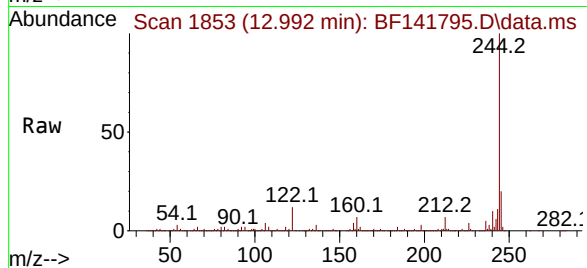
Tgt Ion:202 Resp: 674877
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 17.7 14.6 22.0





#79
Terphenyl-d14
Concen: 19.952 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

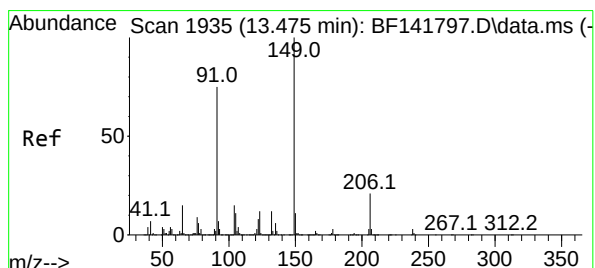
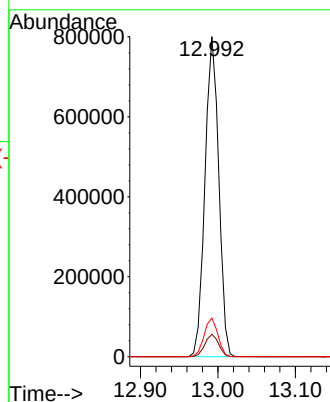
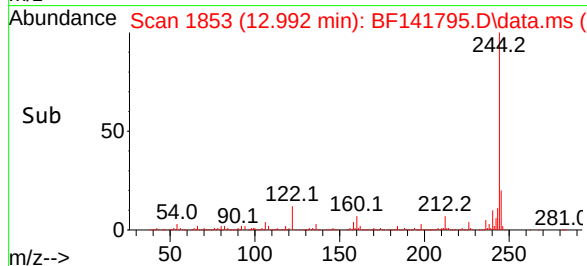
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:244 Resp: 986780
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 12.1 9.0 13.6

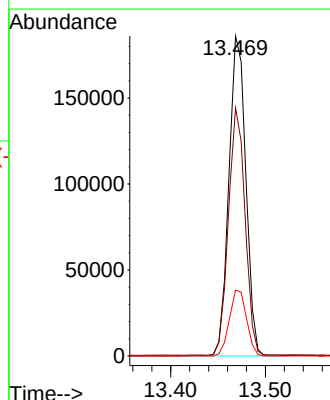
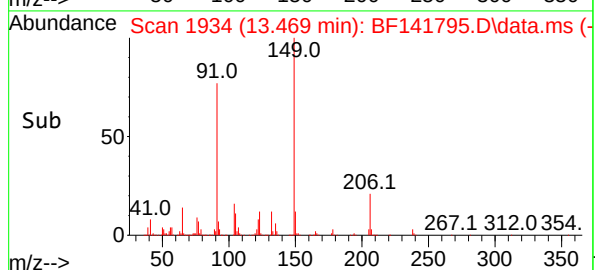
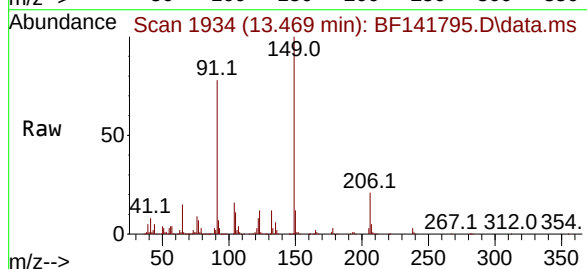
Manual Integrations
APPROVED

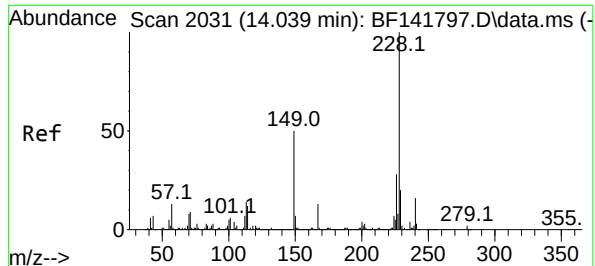
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:149 Resp: 231474
Ion Ratio Lower Upper
149 100
91 77.5 60.1 90.1
206 20.6 16.8 25.2





#81

Benzo(a)anthracene

Concen: 10.496 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 554778

Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

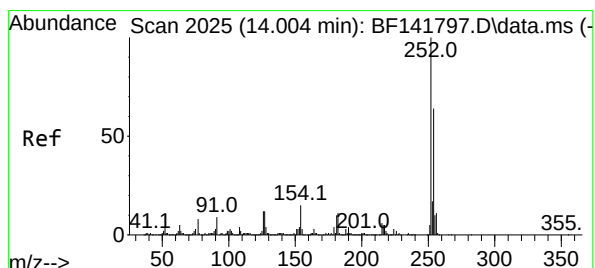
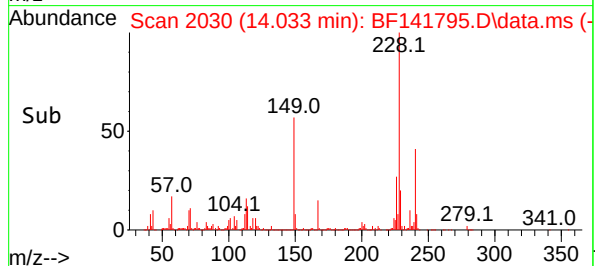
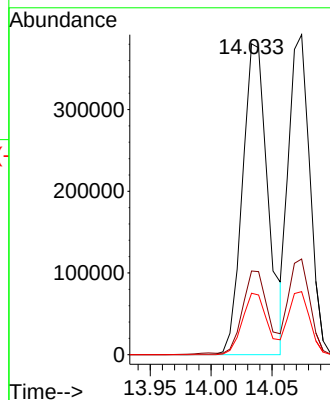
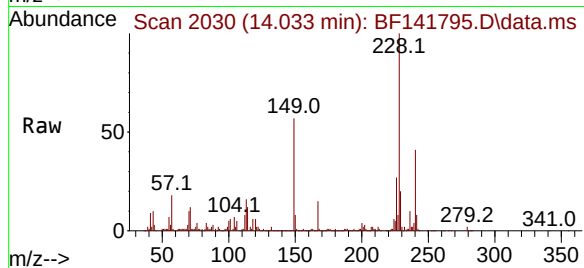
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#82

3,3'-Dichlorobenzidine

Concen: 10.033 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

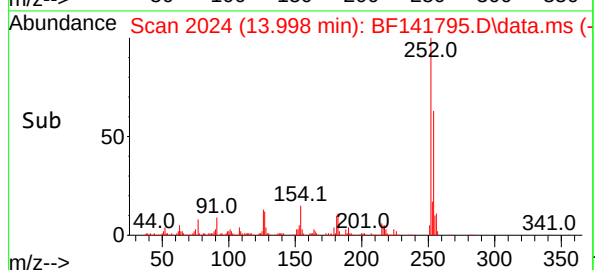
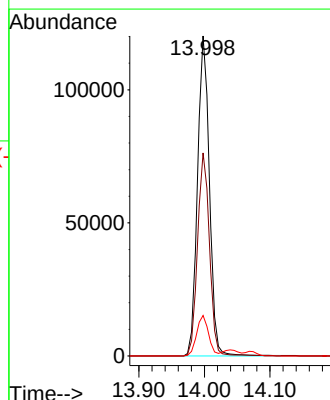
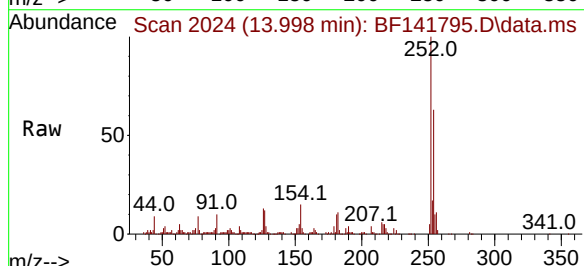
Tgt Ion:252 Resp: 152147

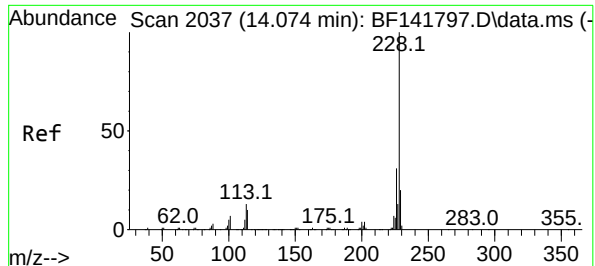
Ion Ratio Lower Upper

252 100

254 63.5 51.4 77.0

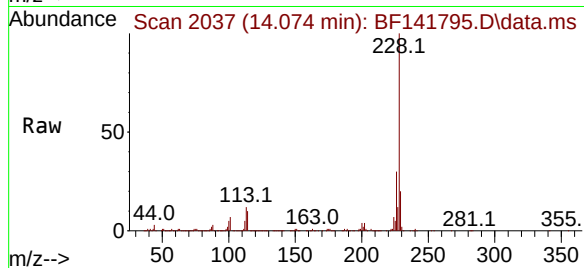
126 12.7 9.8 14.6





#83
Chrysene
Concen: 9.721 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

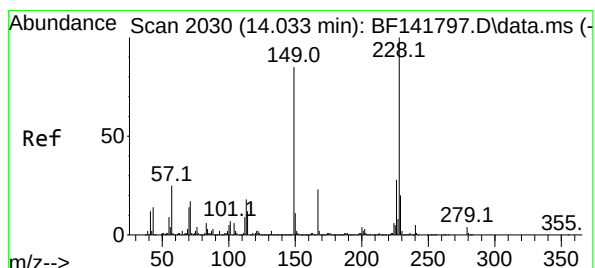
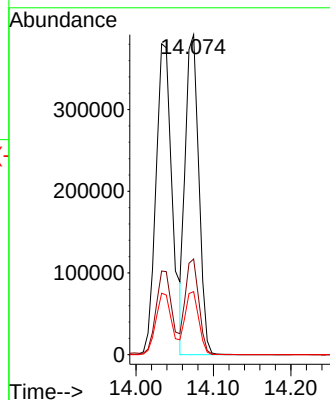
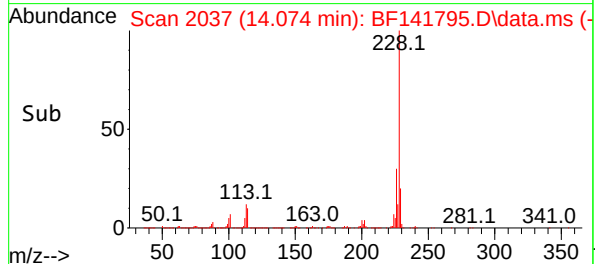
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 473612
Ion Ratio Lower Upper
228 100
226 29.9 24.6 37.0
229 19.7 16.1 24.1

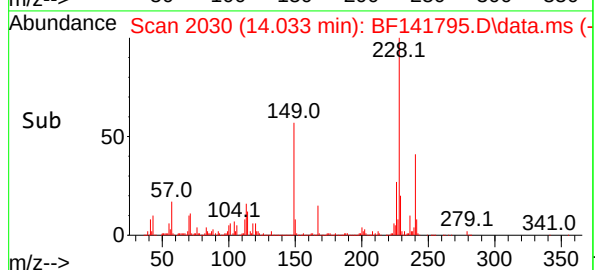
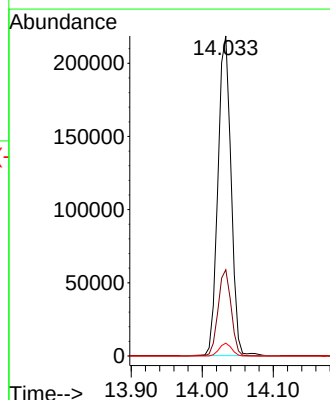
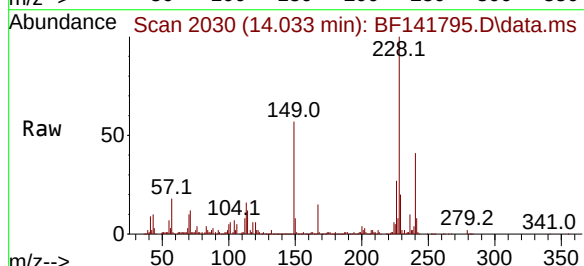
Manual Integrations
APPROVED

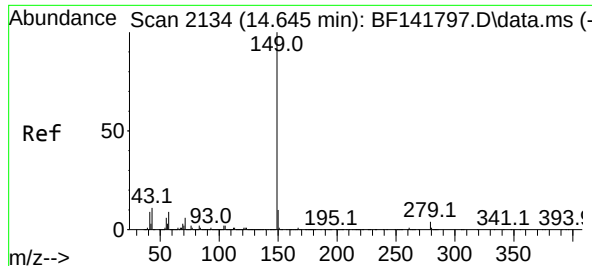
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

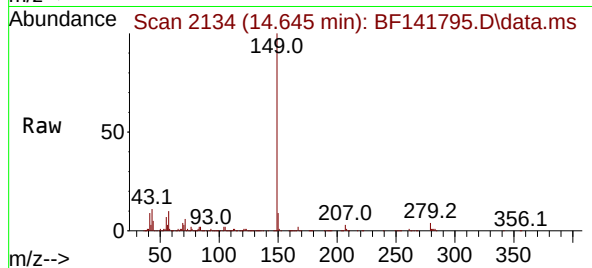
Tgt Ion:149 Resp: 278482
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.0 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 7.857 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

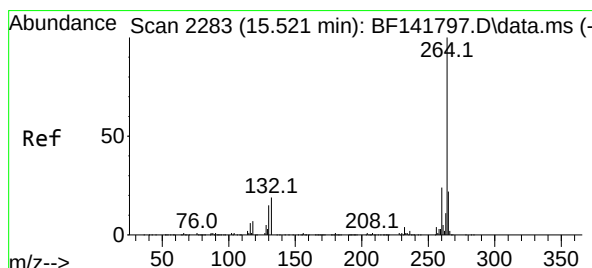
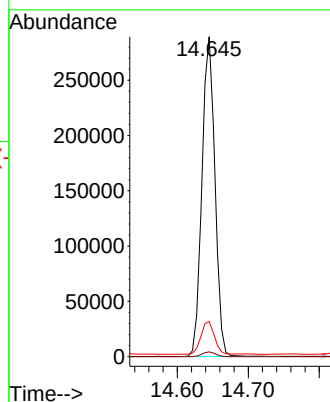
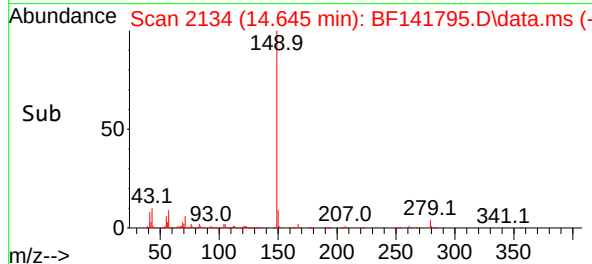
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 36871
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.8 8.6 12.8

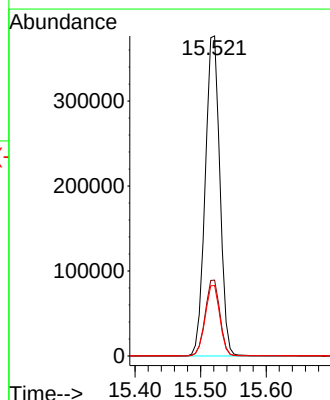
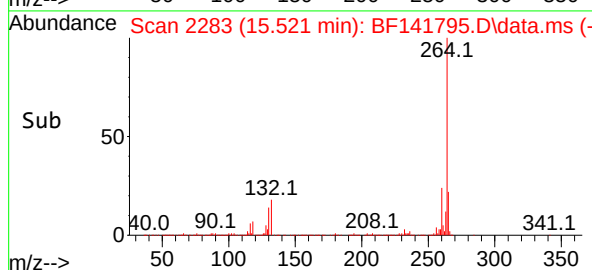
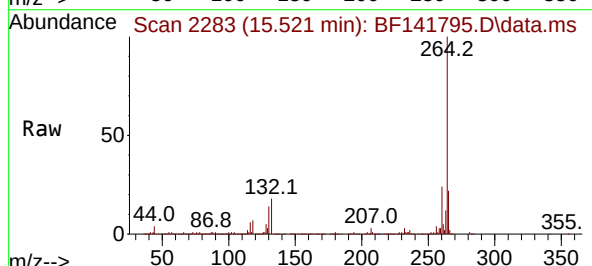
Manual Integrations
APPROVED

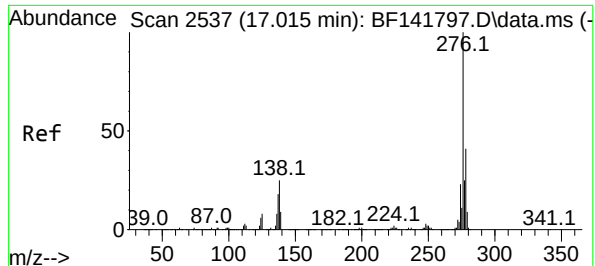
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

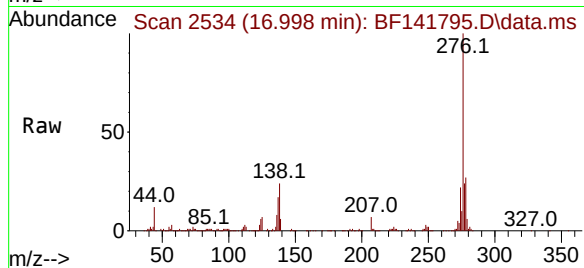
Tgt Ion:264 Resp: 586419
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.0 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.838 ng
RT: 16.998 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

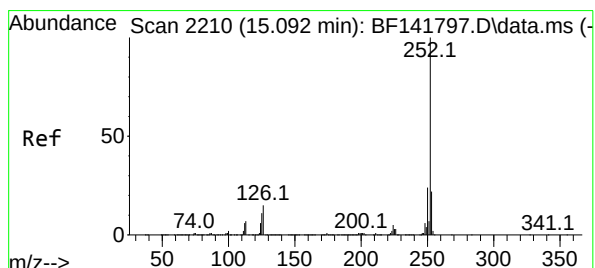
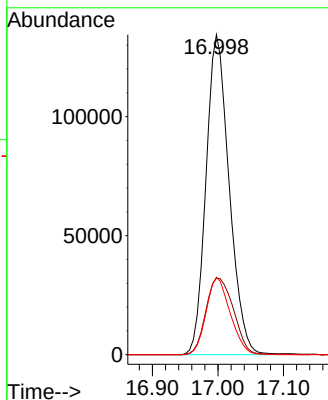
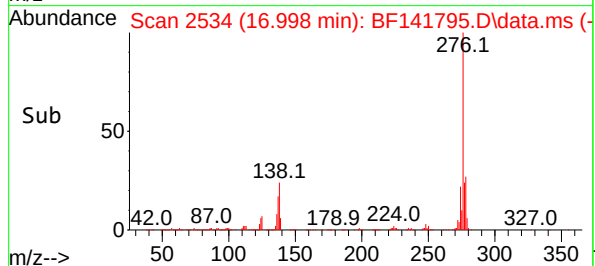
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:276 Resp: 330014
Ion Ratio Lower Upper
276 100
138 28.6 22.5 33.7
277 25.0 20.3 30.5

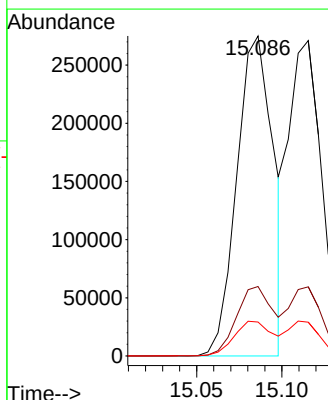
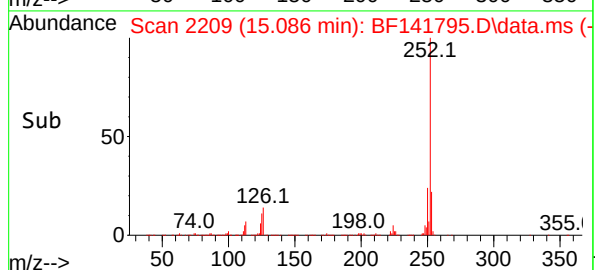
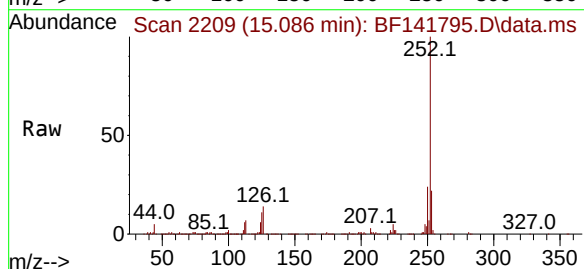
Manual Integrations
APPROVED

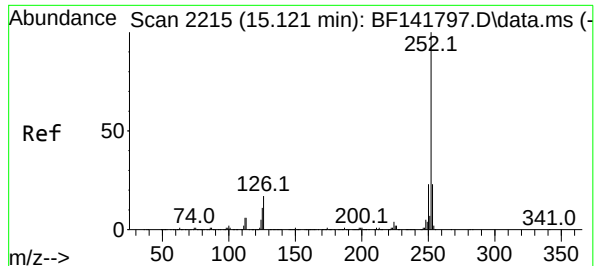
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:252 Resp: 409420
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 10.707 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 363518

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

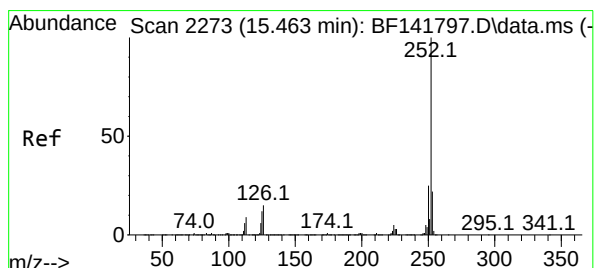
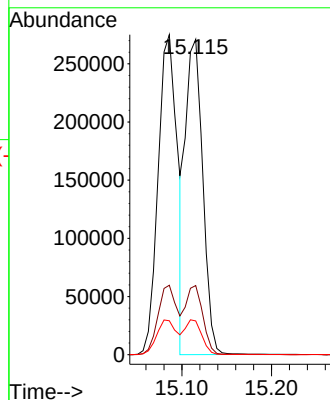
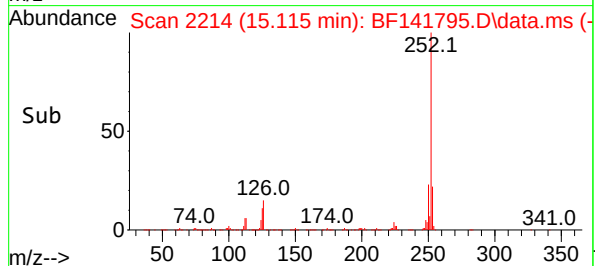
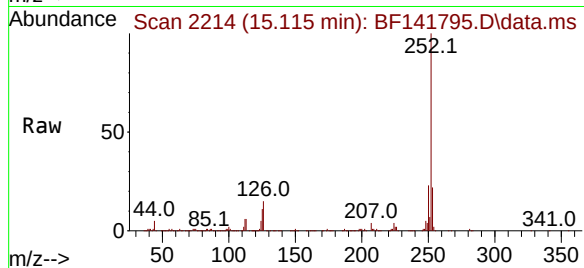
125 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 9.913 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

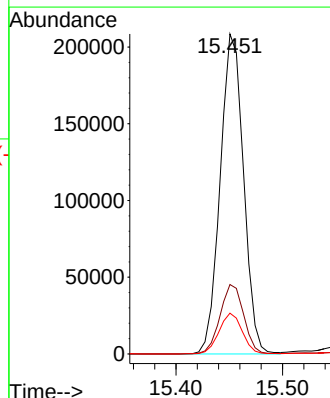
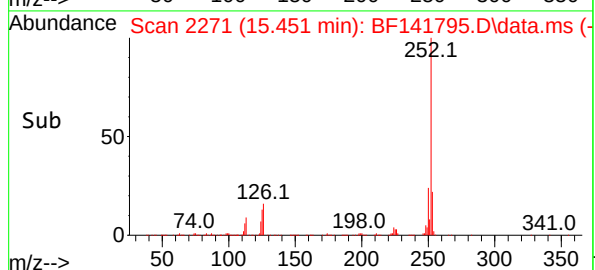
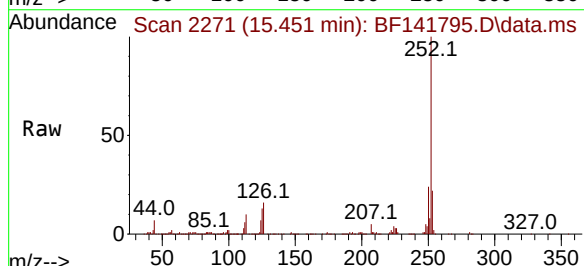
Tgt Ion:252 Resp: 317564

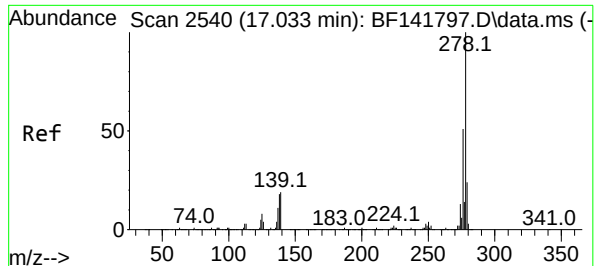
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 12.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 8.954 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 272918

Ion Ratio Lower Upper

278 100

139 17.8 14.9 22.3

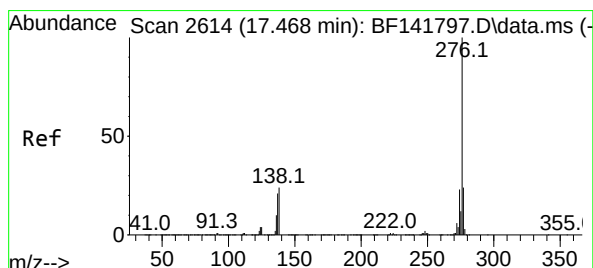
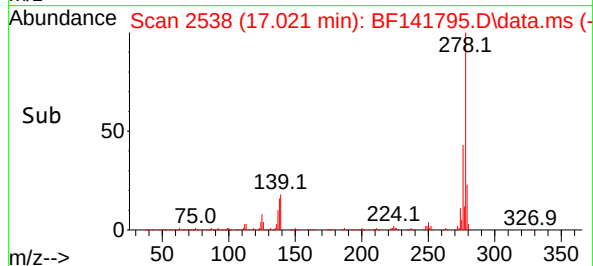
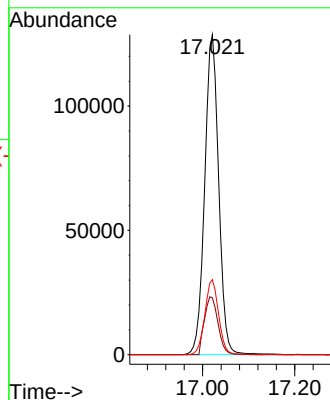
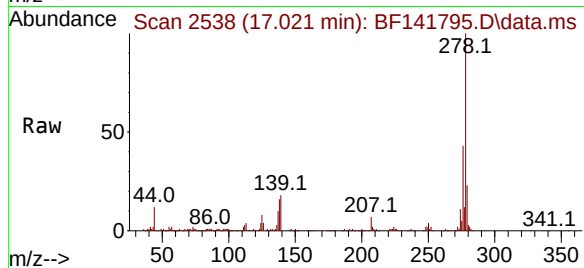
279 23.4 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#92

Benzo(g,h,i)perylene

Concen: 8.724 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.024 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16

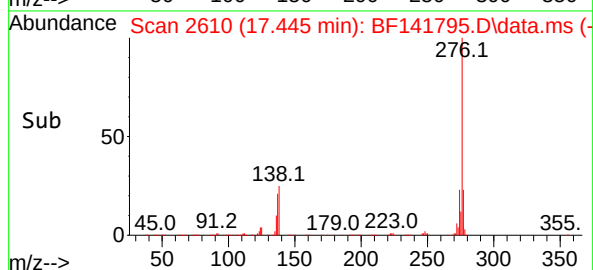
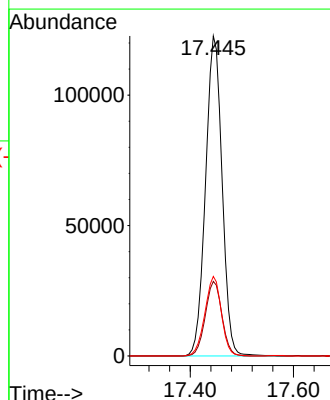
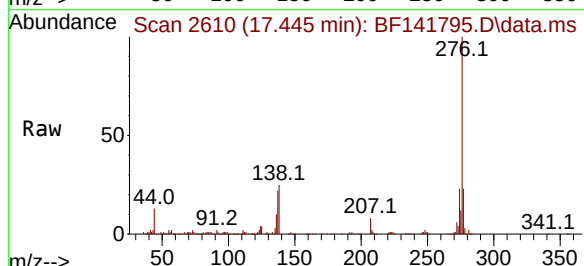
Tgt Ion:276 Resp: 272428

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 24.9 19.3 28.9



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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

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

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	282585	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1143337	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	626338	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1041715	20.000	ng	0.00
76) Chrysene-d12	14.045	240	688606	20.000	ng	0.00
86) Perylene-d12	15.521	264	539147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	749674	42.367	ng	0.00
7) Phenol-d6	6.498	99	976719	42.408	ng	-0.01
23) Nitrobenzene-d5	7.445	82	726034	40.590	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	235147	39.990	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1686318	43.170	ng	0.00
79) Terphenyl-d14	12.992	244	1785806	41.959	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	162630	20.255	ng	100
3) Pyridine	3.446	79	419991	21.024	ng	99
4) n-Nitrosodimethylamine	3.387	42	194836	20.270	ng	99
6) Aniline	6.551	93	510018	21.416	ng	99
8) 2-Chlorophenol	6.669	128	406583	21.241	ng	99
9) Benzaldehyde	6.440	77	289246	21.590	ng	99
10) Phenol	6.516	94	527399m	21.493	ng	
11) bis(2-Chloroethyl)ether	6.622	93	393290	20.964	ng	99
12) 1,3-Dichlorobenzene	6.828	146	435544	21.247	ng	99
13) 1,4-Dichlorobenzene	6.904	146	437770	21.195	ng	100
14) 1,2-Dichlorobenzene	7.057	146	416995	21.620	ng	99
15) Benzyl Alcohol	7.022	79	388176	21.089	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	607289	21.316	ng	99
17) 2-Methylphenol	7.128	107	329265	20.839	ng	99
18) Hexachloroethane	7.404	117	162363	21.002	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	316487	20.904	ng	99
20) 3+4-Methylphenols	7.281	107	425612	21.633	ng	98
22) Acetophenone	7.293	105	585913	21.041	ng	# 97
24) Nitrobenzene	7.463	77	395521	20.649	ng	97
25) Isophorone	7.704	82	789349	20.541	ng	99
26) 2-Nitrophenol	7.781	139	132844	18.604	ng	98
27) 2,4-Dimethylphenol	7.810	122	292966	20.740	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	513944	20.966	ng	99
29) 2,4-Dichlorophenol	8.016	162	338122	20.749	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	374188	20.955	ng	99
31) Naphthalene	8.192	128	1258082	21.409	ng	99
32) Benzoic acid	7.898	122	165613	19.487	ng	98
33) 4-Chloroaniline	8.234	127	454568	21.097	ng	100
34) Hexachlorobutadiene	8.310	225	230541	20.776	ng	98
35) Caprolactam	8.587	113	102898	20.521	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	376094	20.776	ng	99
37) 2-Methylnaphthalene	8.881	142	826497	21.443	ng	99
38) 1-Methylnaphthalene	8.981	142	796808	21.545	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	377360	20.861	ng	99
41) Hexachlorocyclopentadiene	9.034	237	158105	20.943	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	238591	20.419	ng	100

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:19:57 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	242709	20.976	ng	99
46) 1,1'-Biphenyl	9.345	154	1021081	21.418	ng	99
47) 2-Chloronaphthalene	9.369	162	752142	21.375	ng	99
48) 2-Nitroaniline	9.457	65	153869	18.870	ng	97
49) Acenaphthylene	9.786	152	1126303	21.349	ng	99
50) Dimethylphthalate	9.645	163	879870	20.977	ng	100
51) 2,6-Dinitrotoluene	9.704	165	144673	19.796	ng	98
52) Acenaphthene	9.957	154	749963	21.068	ng	99
53) 3-Nitroaniline	9.869	138	152114	19.664	ng	# 99
54) 2,4-Dinitrophenol	9.969	184	41521	19.116	ng	# 1
55) Dibenzofuran	10.128	168	1105278	21.332	ng	99
56) 4-Nitrophenol	10.010	139	123415	19.922	ng	98
57) 2,4-Dinitrotoluene	10.104	165	165949	19.214	ng	98
58) Fluorene	10.469	166	822264	21.187	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	210339	20.902	ng	99
60) Diethylphthalate	10.345	149	894118	21.264	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	409697	21.069	ng	99
62) 4-Nitroaniline	10.481	138	143482	20.031	ng	98
63) Azobenzene	10.622	77	942499	21.288	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	65163	19.161	ng	97
66) n-Nitrosodiphenylamine	10.581	169	717531	20.977	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	248503	20.423	ng	98
68) Hexachlorobenzene	11.016	284	265367	20.653	ng	97
69) Atrazine	11.104	200	203939	21.680	ng	99
70) Pentachlorophenol	11.210	266	167231	20.521	ng	99
71) Phenanthrene	11.433	178	1181769	21.209	ng	99
72) Anthracene	11.486	178	1203701	21.554	ng	99
73) Carbazole	11.639	167	1056147	21.416	ng	99
74) Di-n-butylphthalate	11.975	149	1345098	21.518	ng	99
75) Fluoranthene	12.622	202	1242031	21.753	ng	99
77) Benzidine	12.739	184	136521	15.752	ng	99
78) Pyrene	12.851	202	1249647	20.957	ng	99
80) Butylbenzylphthalate	13.469	149	442702	20.434	ng	98
81) Benzo(a)anthracene	14.039	228	953146	20.956	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	262708	20.132	ng	100
83) Chrysene	14.074	228	850641	20.288	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	542812	20.122	ng	100
85) Di-n-octyl phthalate	14.645	149	763685	18.910	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	668777	19.480	ng	99
88) Benzo(b)fluoranthene	15.086	252	826369	22.501	ng	100
89) Benzo(k)fluoranthene	15.116	252	592250	18.973	ng	99
90) Benzo(a)pyrene	15.457	252	610871	20.740	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	552725	19.724	ng	98
92) Benzo(g,h,i)perylene	17.451	276	557705	19.426	ng	100

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

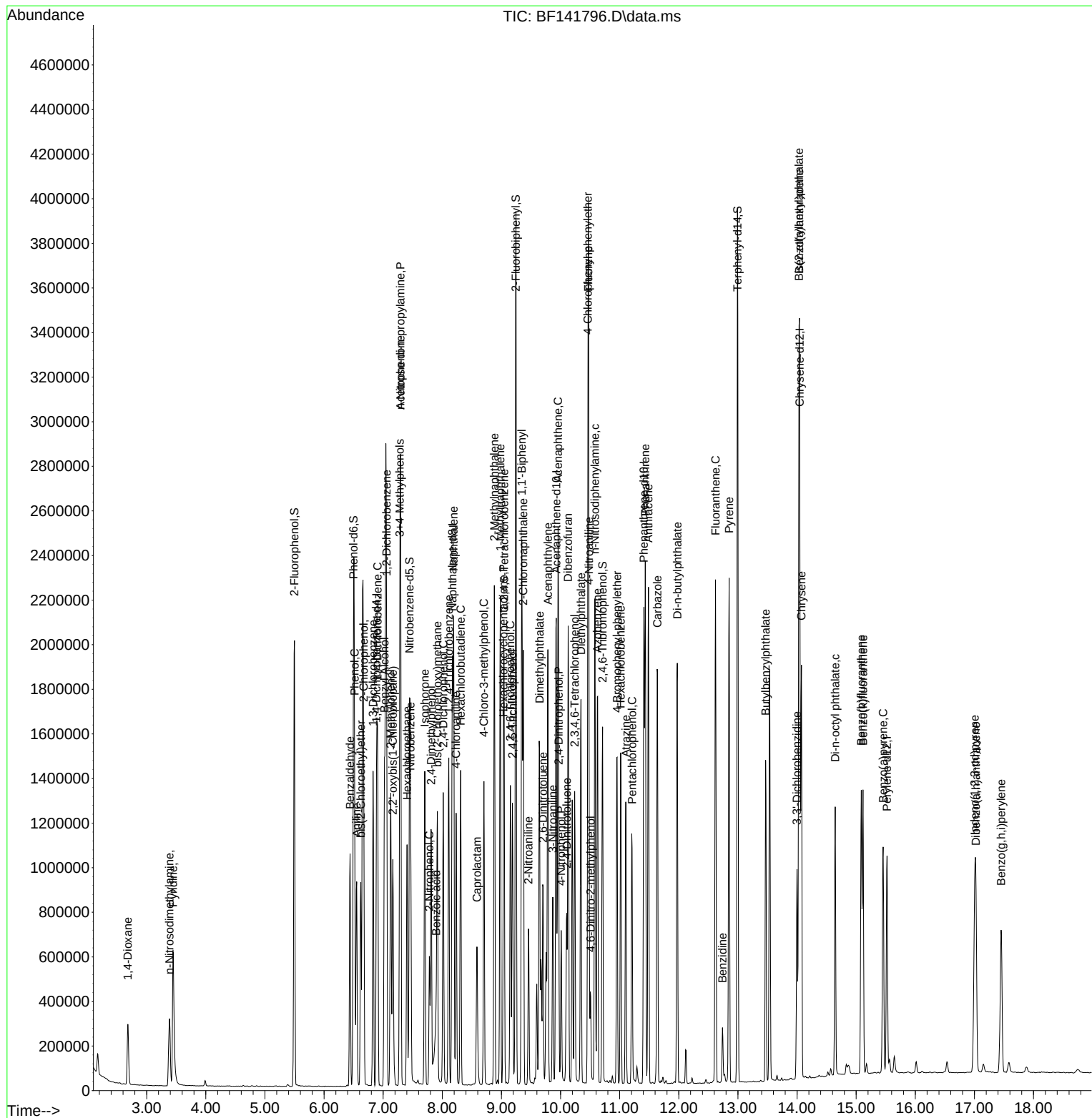
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Data File : BF141796.D  
Acq On    : 27 Feb 2025  16:46  
Operator  : RC/JU  
Sample    : SSTDICC020  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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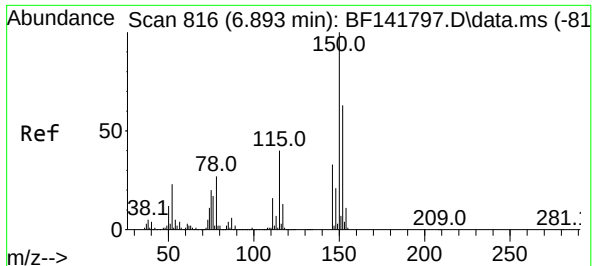
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

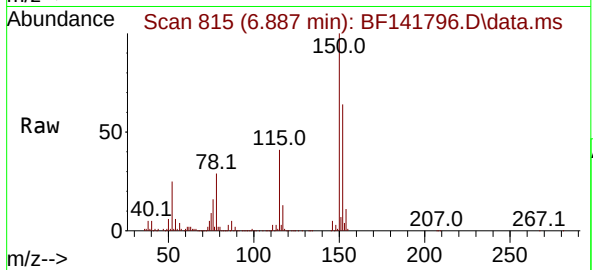
Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

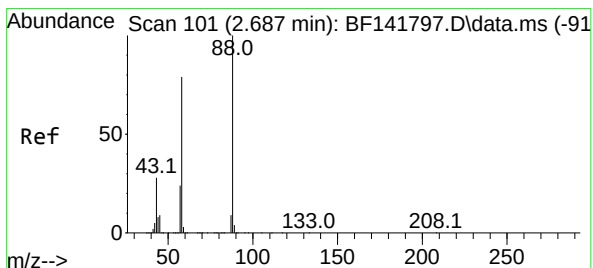
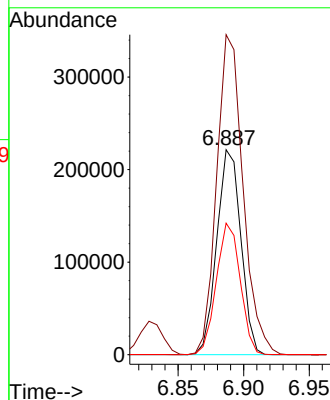
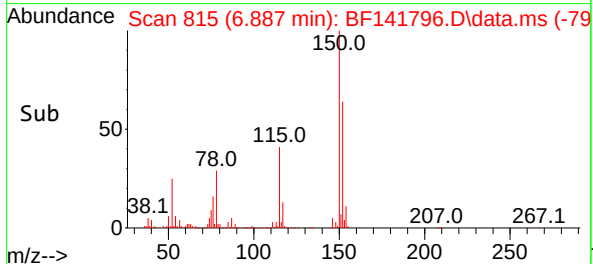
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 28258
Ion Ratio Lower Upper
152 100
150 156.1 127.5 191.3
115 64.2 51.4 77.2

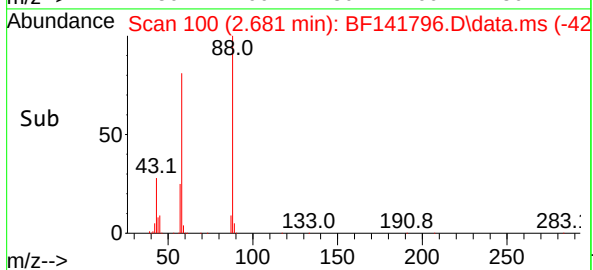
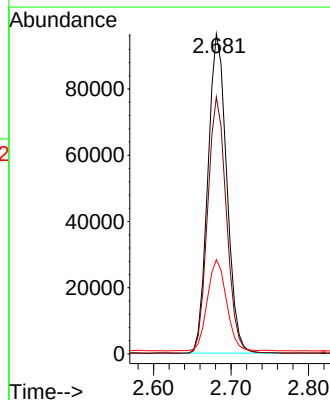
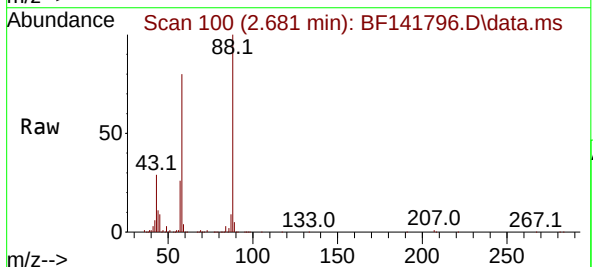
Manual Integrations
APPROVED

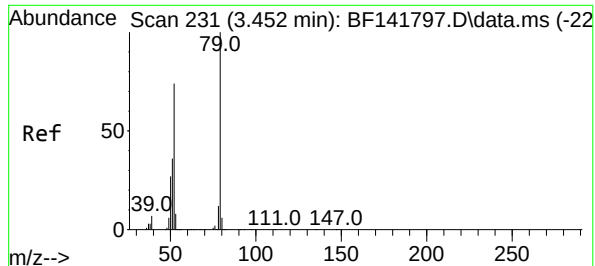
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion: 88 Resp: 162630
Ion Ratio Lower Upper
88 100
58 80.0 63.9 95.9
43 29.0 23.0 34.6





#3

Pyridine

Concen: 21.024 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 41999

Ion Ratio Lower Upper

79 100

52 72.7 59.0 88.4

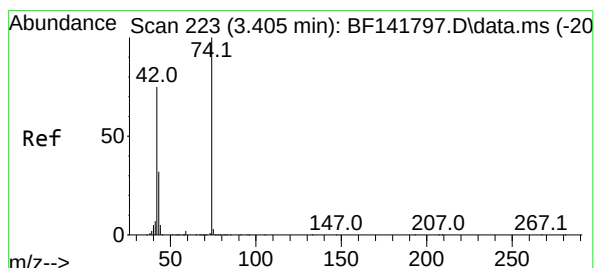
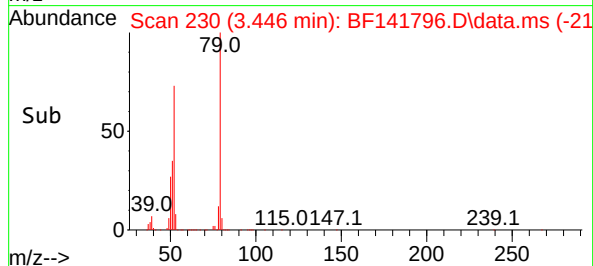
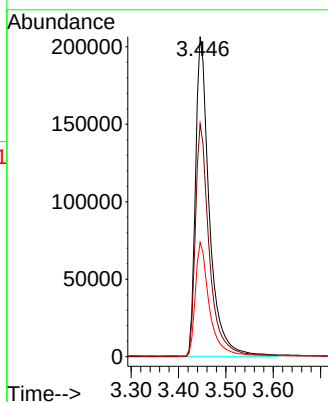
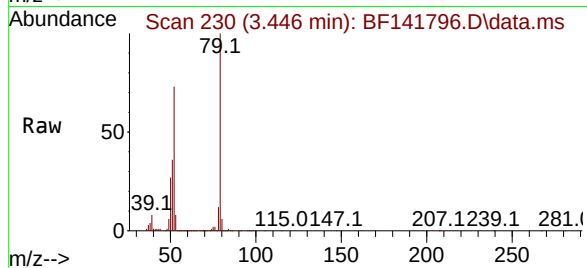
51 35.7 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 20.270 ng

RT: 3.387 min Scan# 220

Delta R.T. -0.018 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

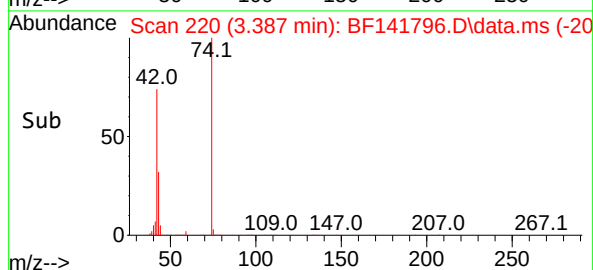
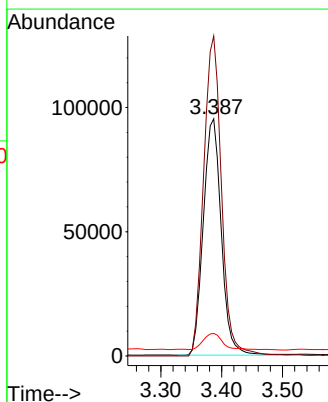
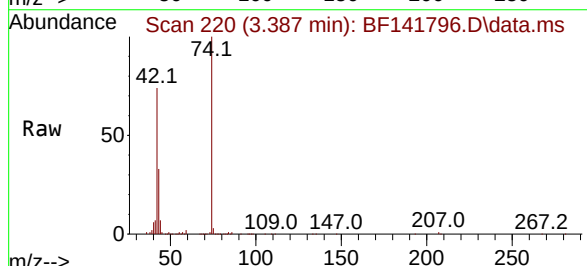
Tgt Ion: 42 Resp: 194836

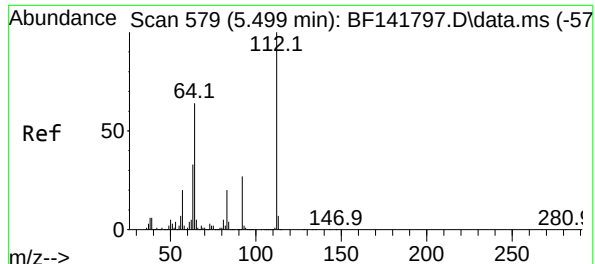
Ion Ratio Lower Upper

42 100

74 135.0 107.1 160.7

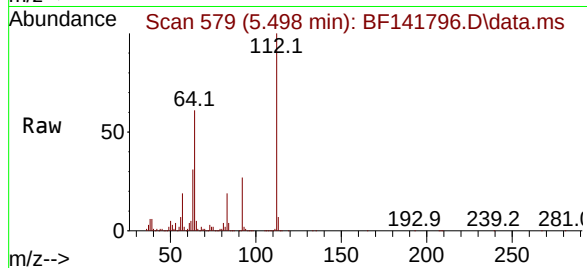
44 9.5 6.6 9.8





#5
2-Fluorophenol
Concen: 42.367 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

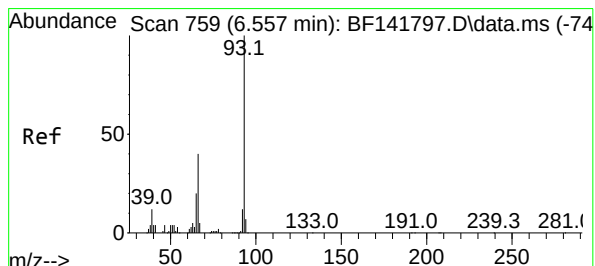
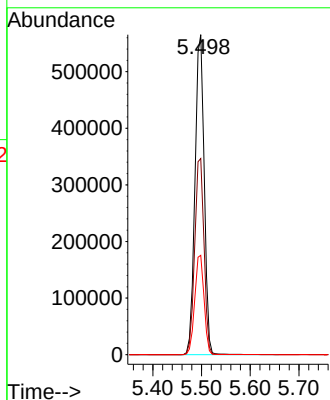
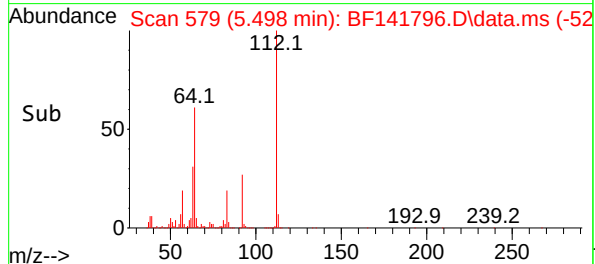
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 112 Resp: 749674
Ion Ratio Lower Upper
112 100
64 61.3 51.3 76.9
63 31.1 26.2 39.4

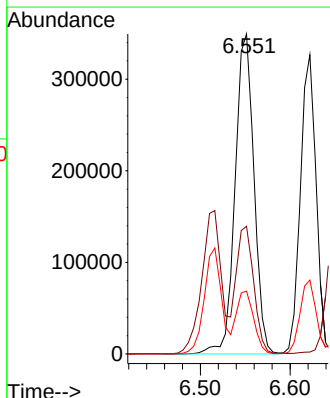
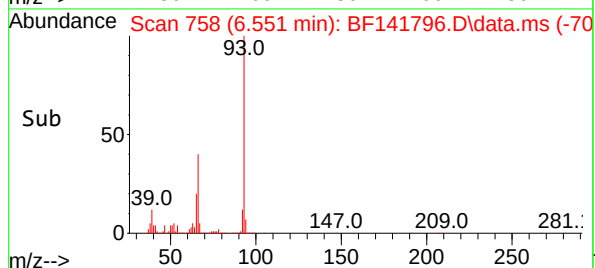
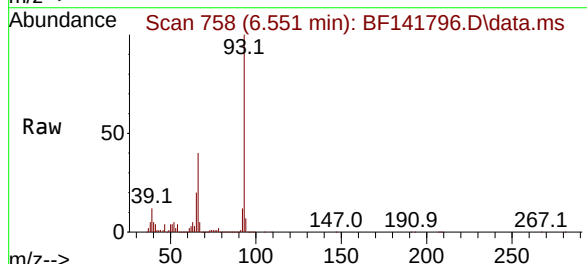
Manual Integrations
APPROVED

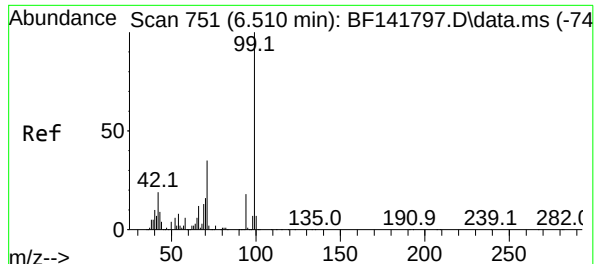
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

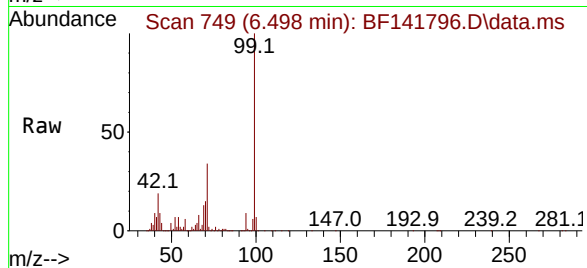
Tgt Ion: 93 Resp: 510018
Ion Ratio Lower Upper
93 100
66 39.9 32.3 48.5
65 19.7 15.9 23.9





#7
Phenol-d6
Concen: 42.408 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

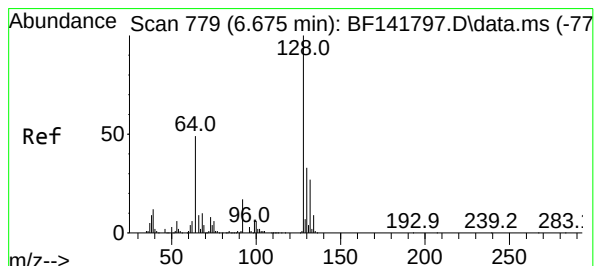
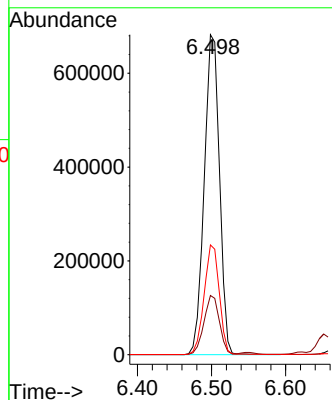
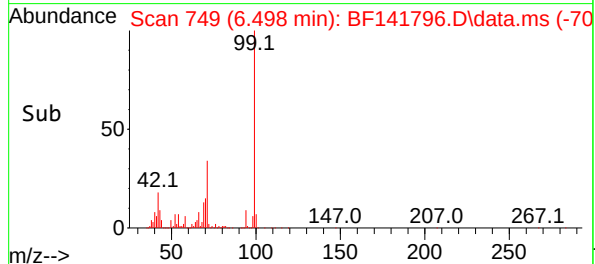
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



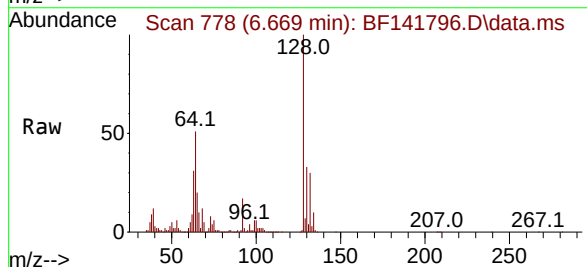
Tgt Ion: 99 Resp: 976719
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 34.3 28.2 42.2

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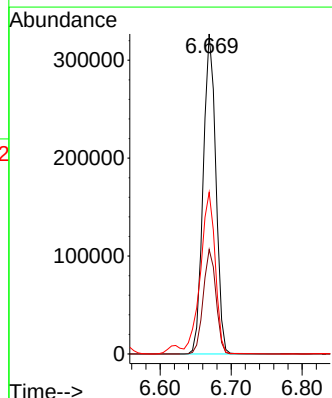
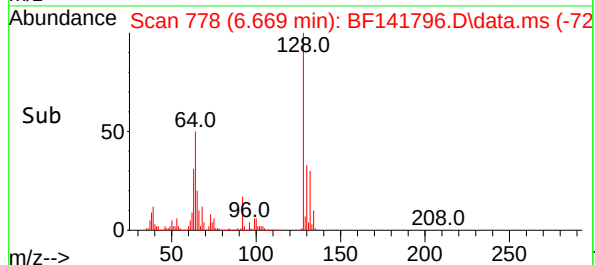
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

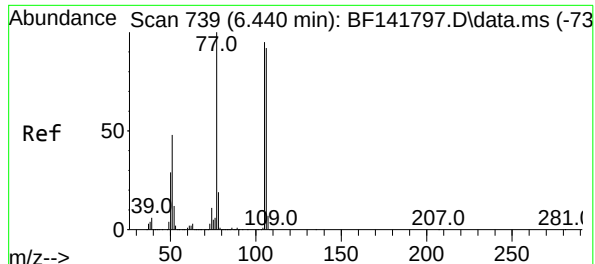


#8
2-Chlorophenol
Concen: 21.241 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



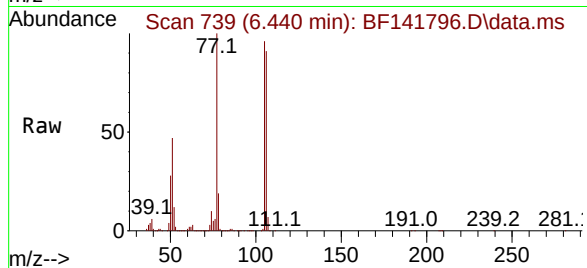
Tgt Ion:128 Resp: 406583
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 50.5 31.1 71.1





#9
Benzaldehyde
Concen: 21.590 ng
RT: 6.440 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

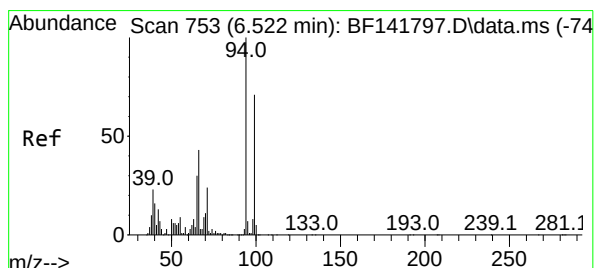
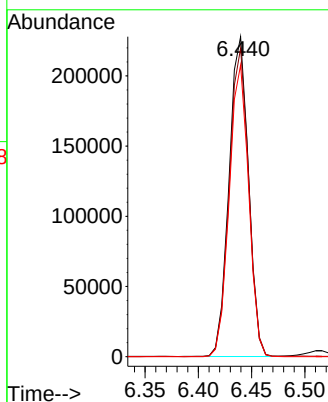
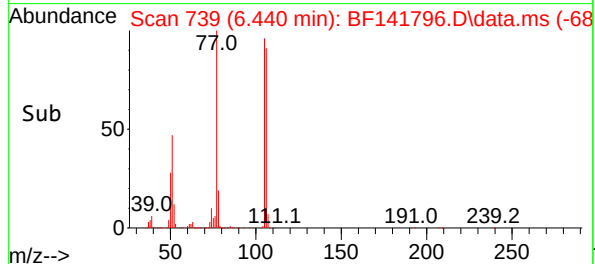
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 289240
Ion Ratio Lower Upper
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105 96.4 75.3 115.3
106 91.1 72.3 112.3

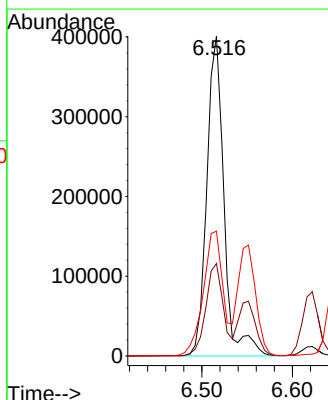
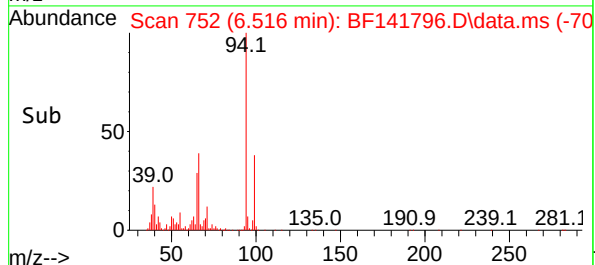
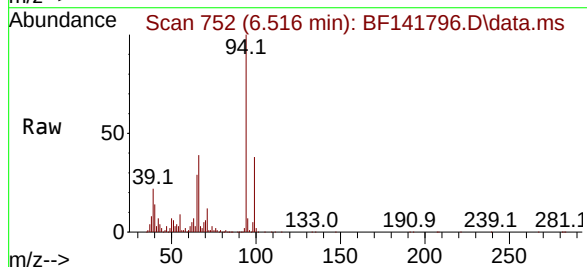
Manual Integrations
APPROVED

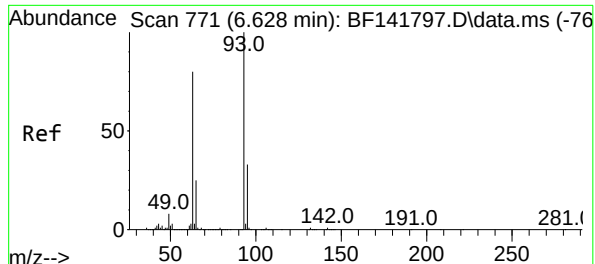
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

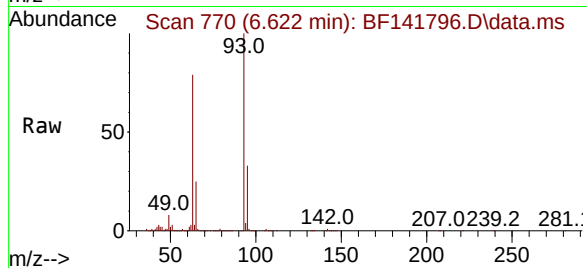
Tgt Ion: 94 Resp: 527399
Ion Ratio Lower Upper
94 100
65 28.9 10.2 50.2
66 39.0 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 20.964 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

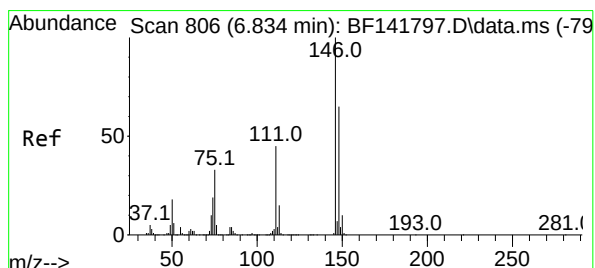
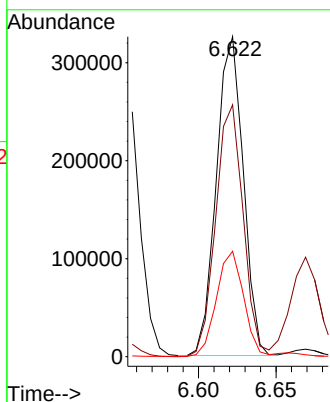
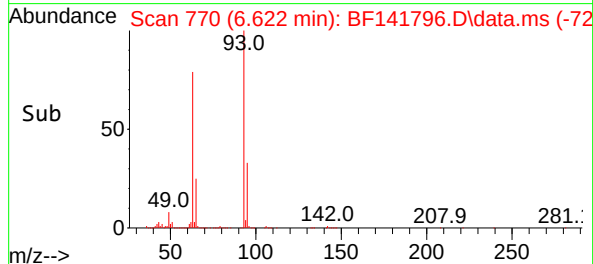
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



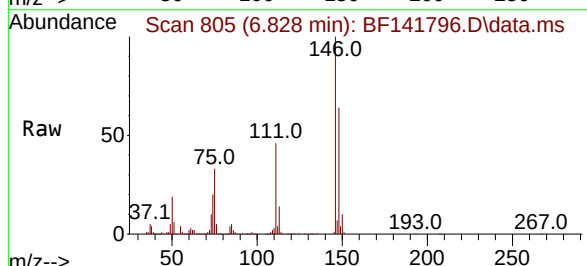
Tgt Ion: 93 Resp: 393290
Ion Ratio Lower Upper
93 100
63 78.7 59.3 99.3
95 32.9 13.2 53.2

Manual Integrations
APPROVED

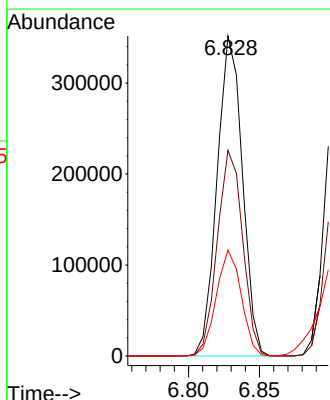
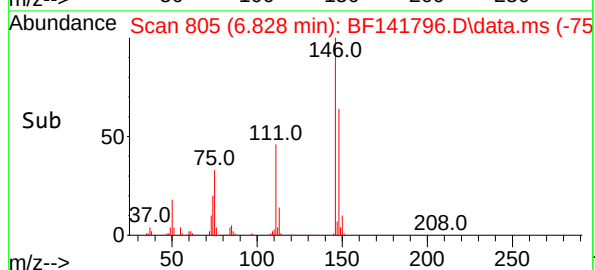
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

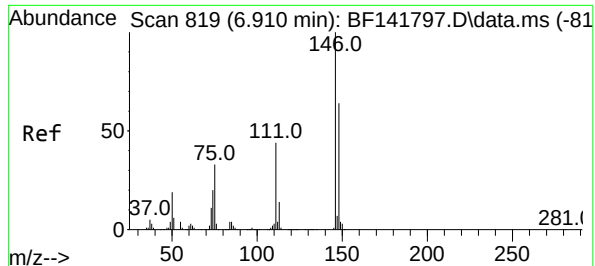


#12
1,3-Dichlorobenzene
Concen: 21.247 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



Tgt Ion:146 Resp: 435544
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
75 33.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 21.195 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 437770

Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.2

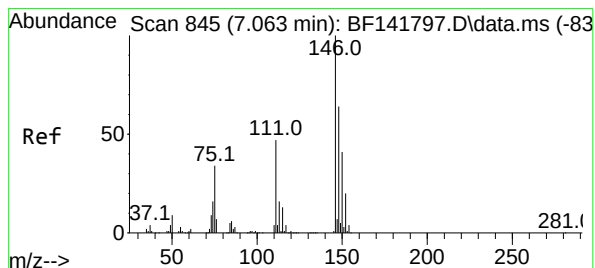
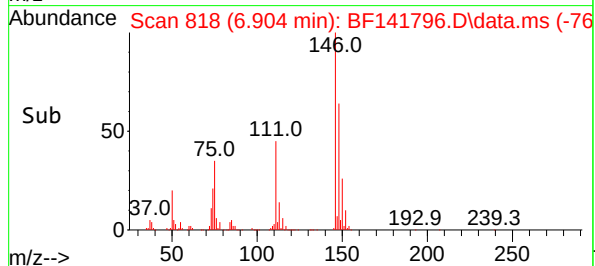
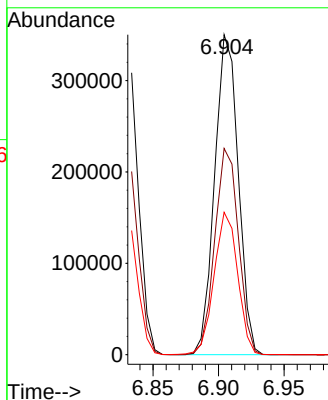
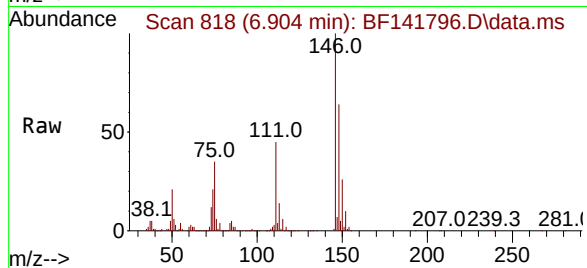
111 44.5 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 21.620 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

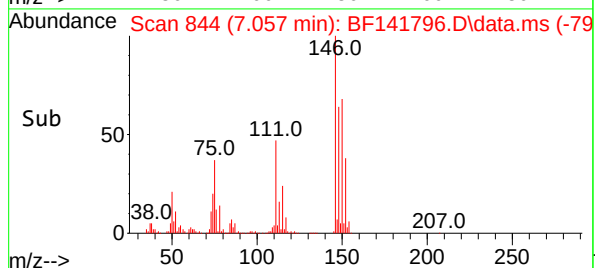
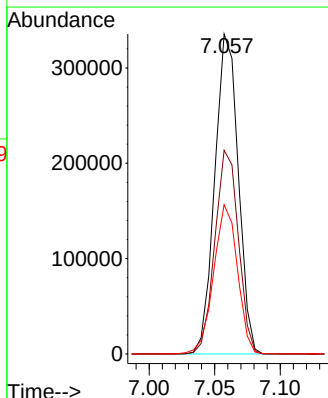
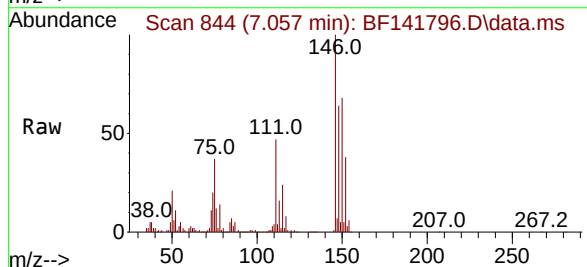
Tgt Ion:146 Resp: 416995

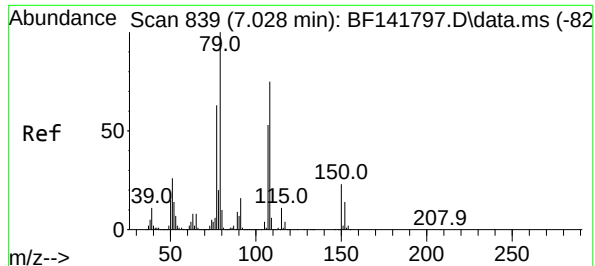
Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

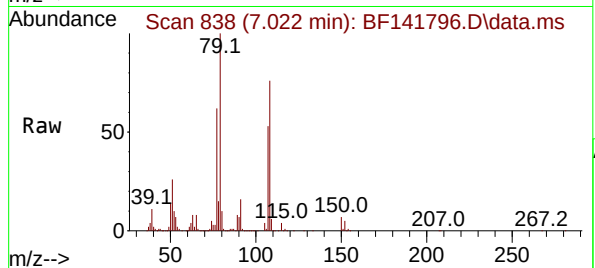
111 46.6 37.8 56.6





#15
Benzyl Alcohol
Concen: 21.089 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

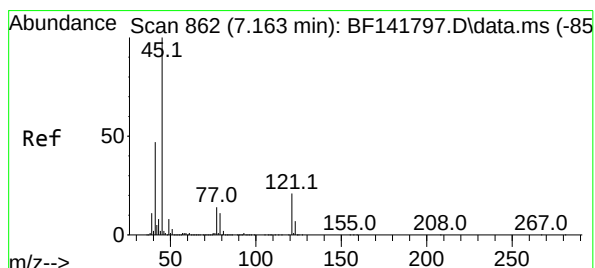
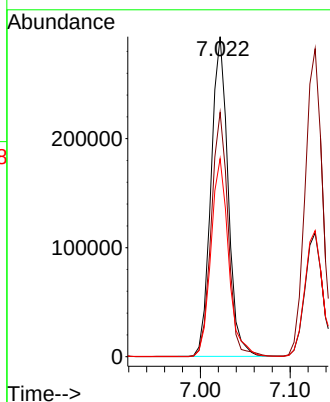
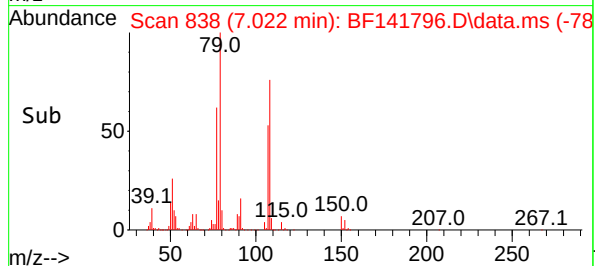
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 388170
Ion Ratio Lower Upper
79 100
108 76.3 60.2 90.2
77 61.9 50.2 75.2

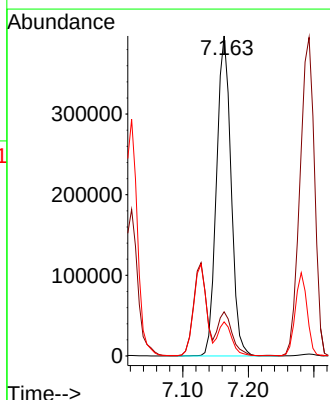
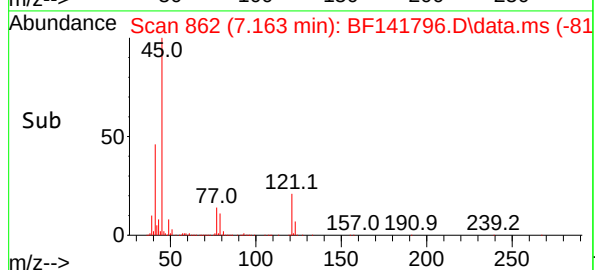
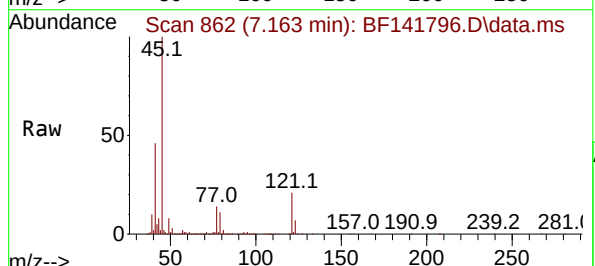
Manual Integrations
APPROVED

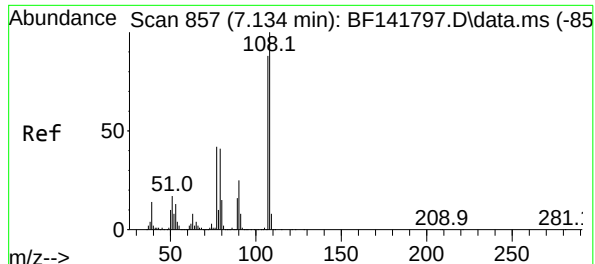
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

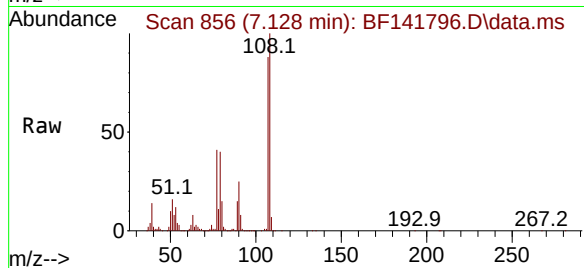
Tgt Ion: 45 Resp: 607289
Ion Ratio Lower Upper
45 100
77 13.8 0.0 34.4
79 10.7 0.0 30.9





#17
2-Methylphenol
Concen: 20.839 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

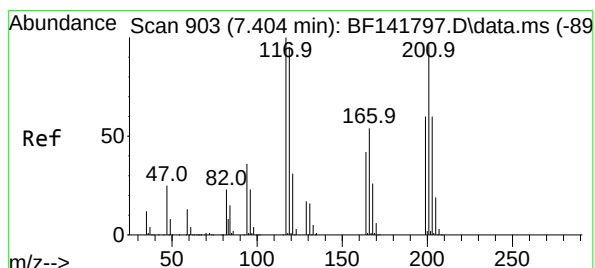
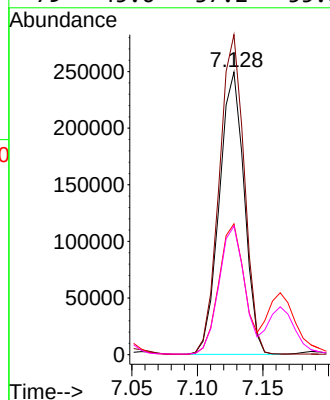
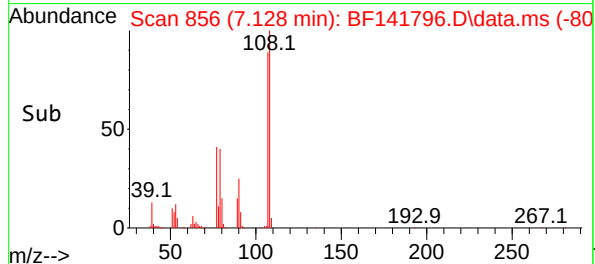
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 329265
Ion Ratio Lower Upper
107 100
108 113.3 90.6 135.8
77 46.4 37.7 56.5
79 45.6 37.2 55.8

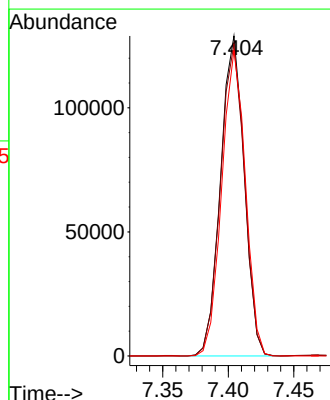
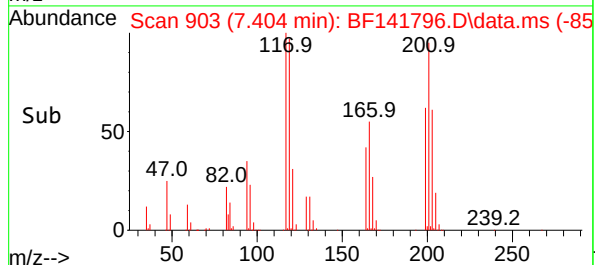
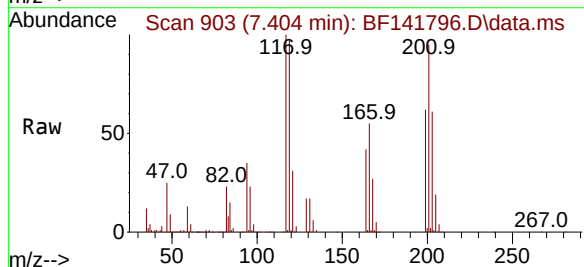
Manual Integrations
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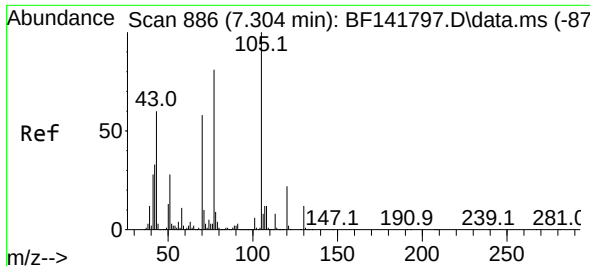
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

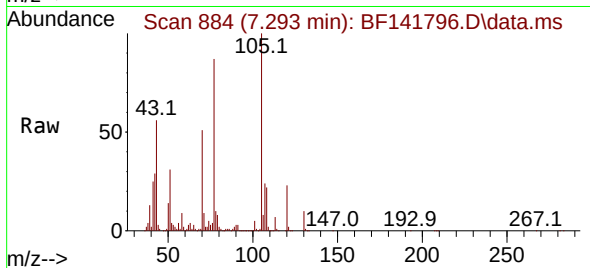
Tgt Ion:117 Resp: 162363
Ion Ratio Lower Upper
117 100
119 97.5 75.8 113.8
201 95.4 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 20.904 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

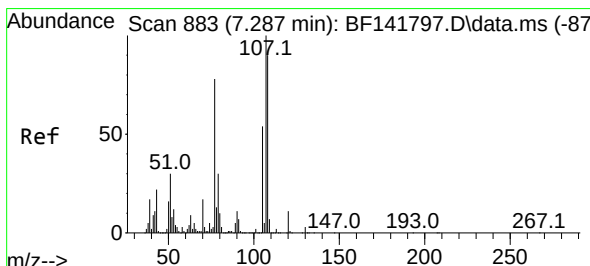
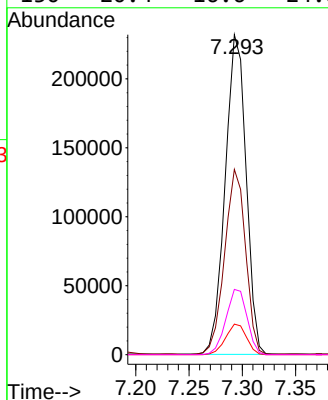
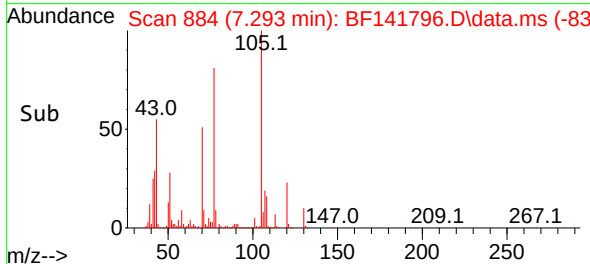
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 70 Resp: 31648
Ion Ratio Lower Upper
70 100
42 57.9 45.4 68.0
101 9.6 7.8 11.8
130 20.4 16.6 24.8

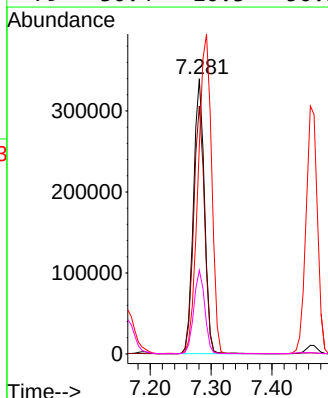
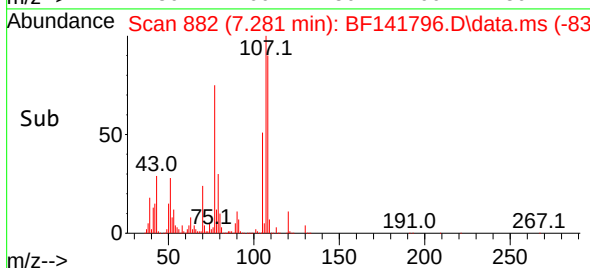
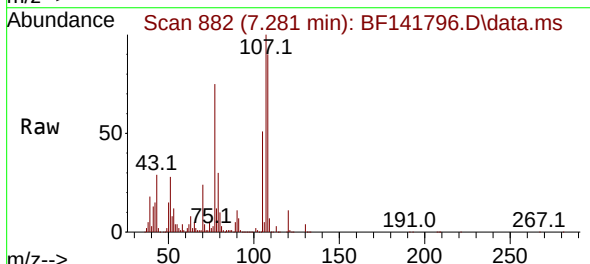
Manual Integrations
APPROVED

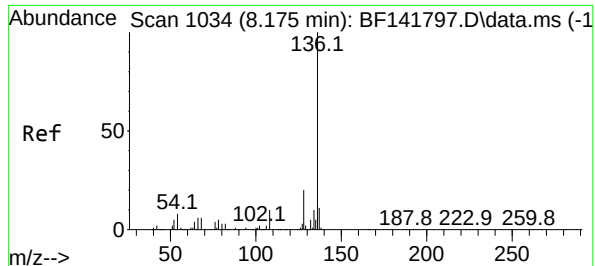
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

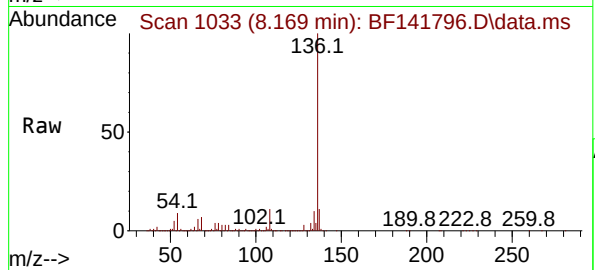
Tgt Ion:107 Resp: 425612
Ion Ratio Lower Upper
107 100
108 90.1 69.7 109.7
77 75.5 58.3 98.3
79 30.4 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

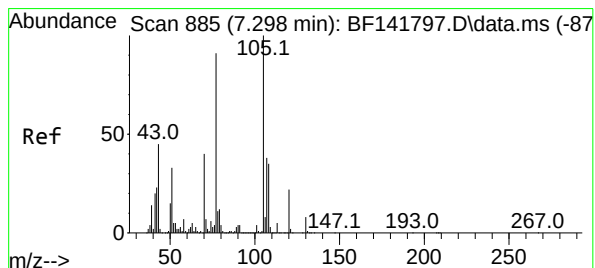
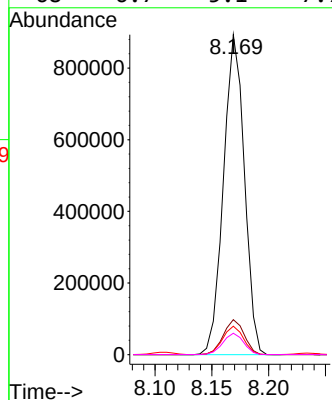
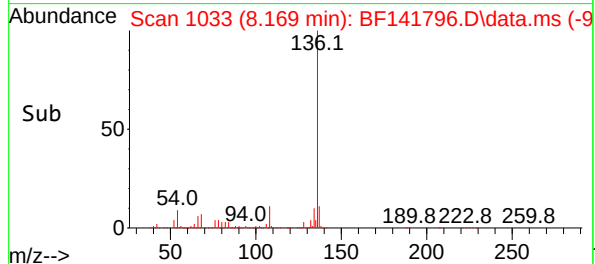
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 114333
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.9 6.9 10.3
68 6.7 5.1 7.7

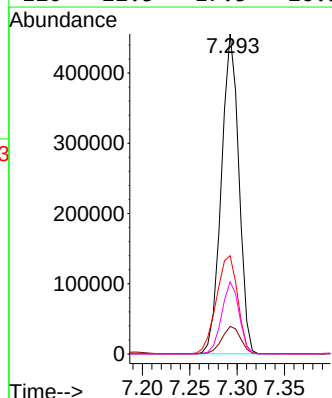
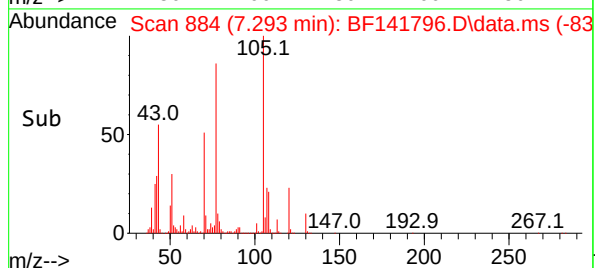
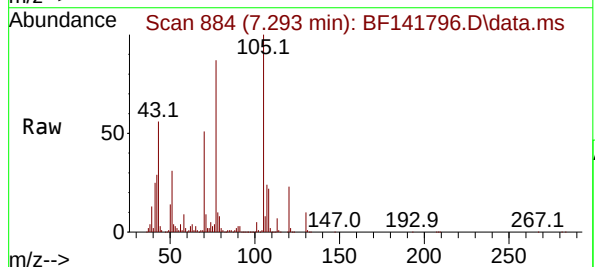
Manual Integrations
APPROVED

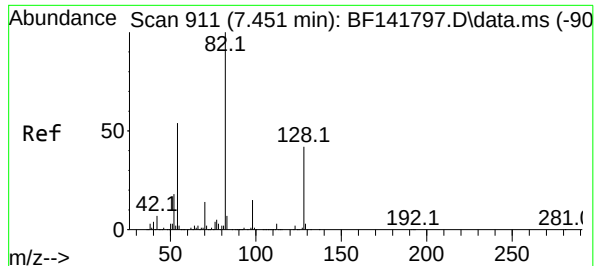
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:105 Resp: 585913
Ion Ratio Lower Upper
105 100
71 8.6 5.4 8.0#
51 30.7 26.1 39.1
120 22.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 40.590 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 726034

Ion Ratio Lower Upper

82 100

128 40.7 33.5 50.3

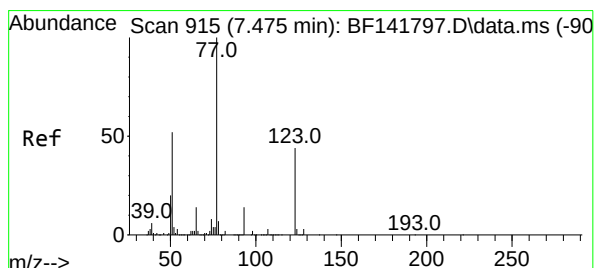
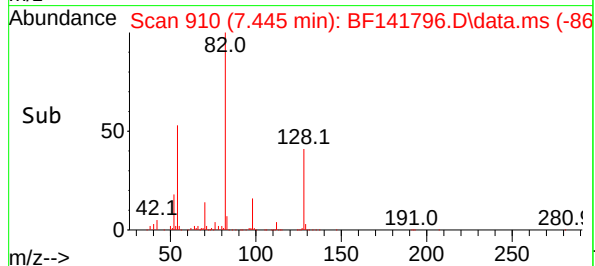
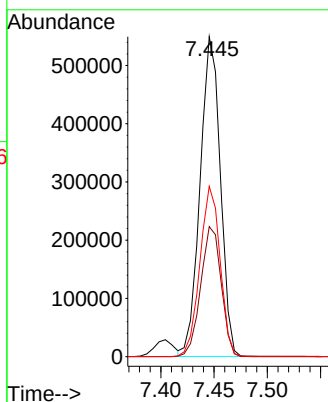
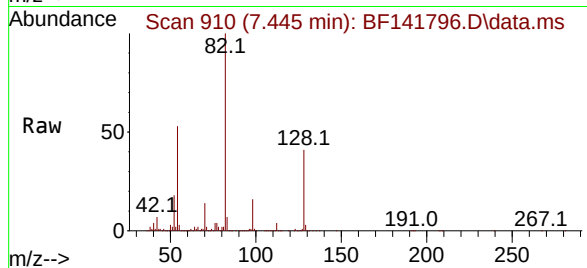
54 53.3 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 20.649 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

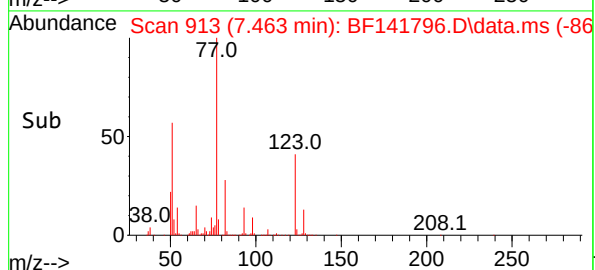
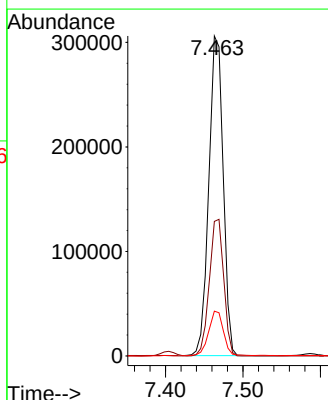
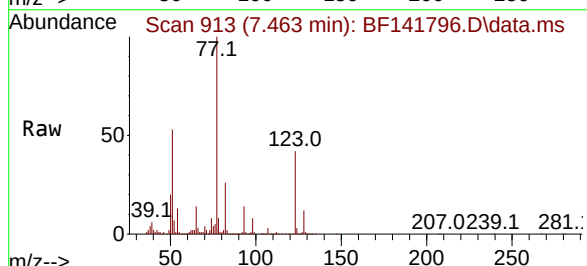
Tgt Ion: 77 Resp: 395521

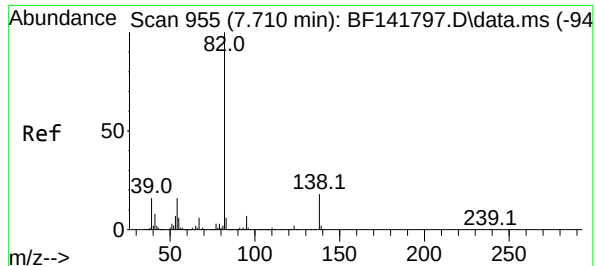
Ion Ratio Lower Upper

77 100

123 42.1 35.8 53.8

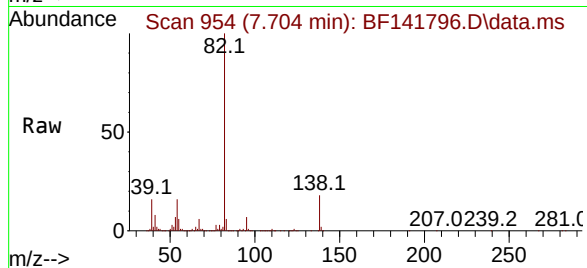
65 14.0 11.2 16.8





#25
Isophorone
Concen: 20.541 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

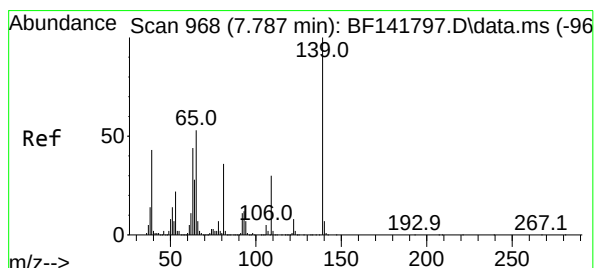
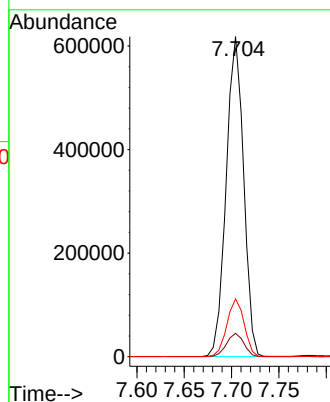
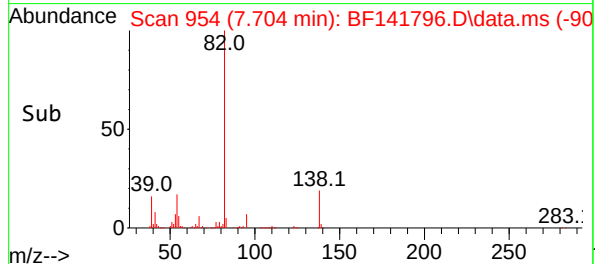
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 82 Resp: 789349
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 18.1 14.0 21.0

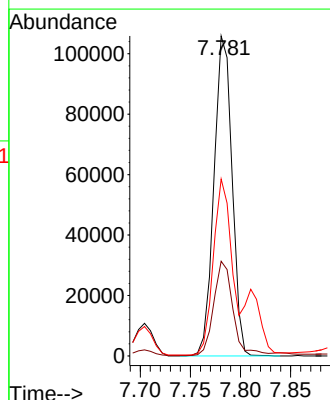
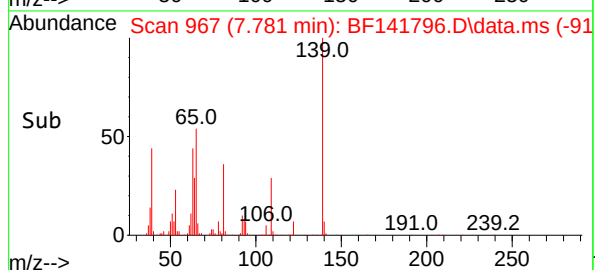
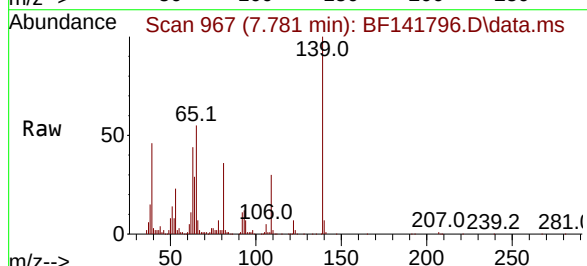
Manual Integrations
APPROVED

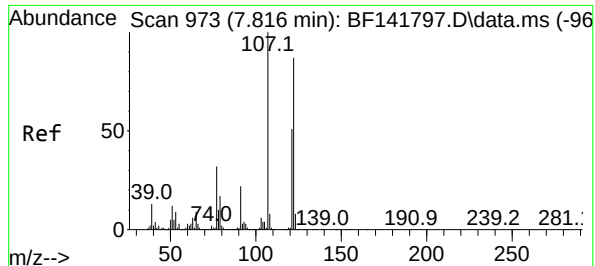
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:139 Resp: 132844
Ion Ratio Lower Upper
139 100
109 29.6 24.1 36.1
65 55.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 20.740 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141796.D

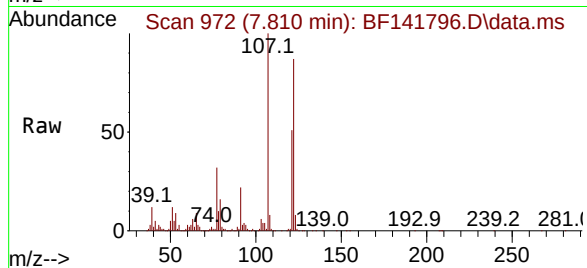
Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:122 Resp: 292960

Ion Ratio Lower Upper

122 100

107 115.0 92.5 138.7

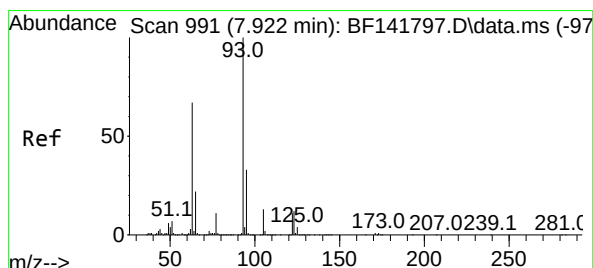
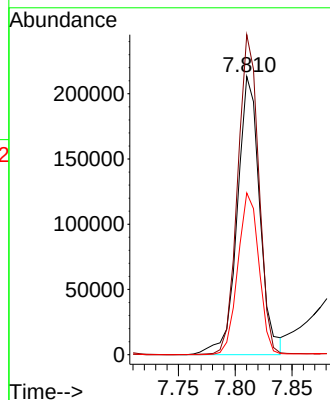
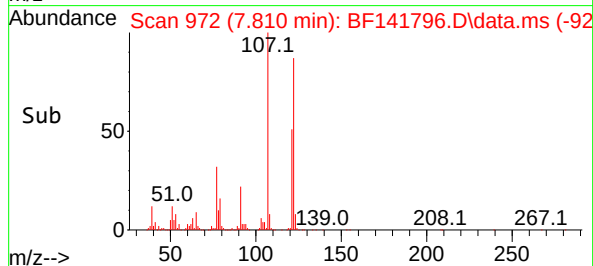
121 58.1 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.966 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

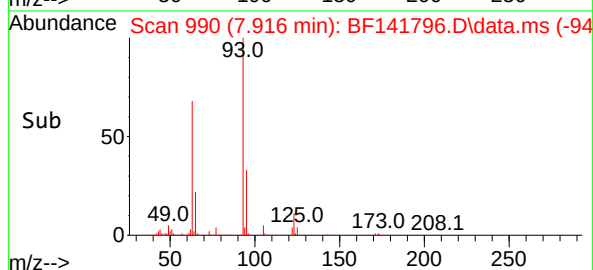
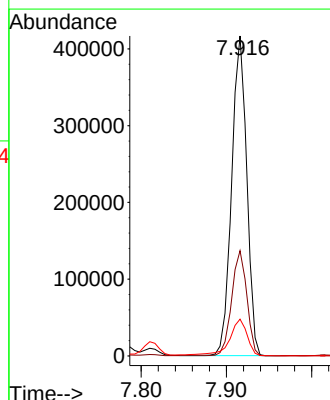
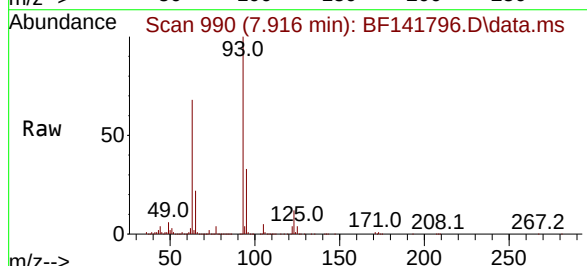
Tgt Ion: 93 Resp: 513944

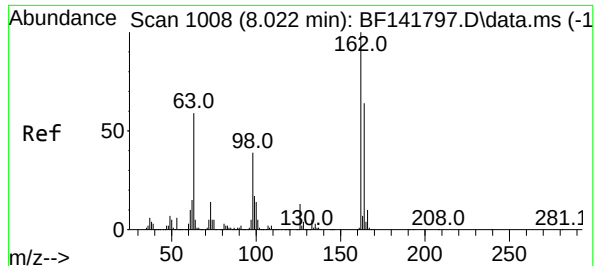
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 11.5 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 20.749 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 33812

Ion Ratio Lower Upper

162 100

164 64.7 44.3 84.3

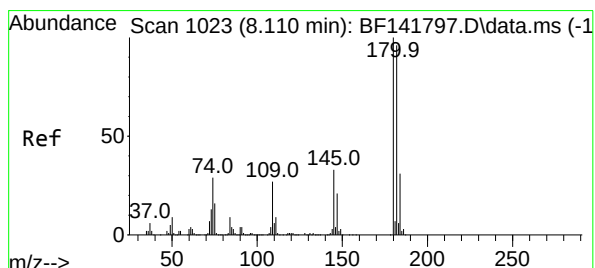
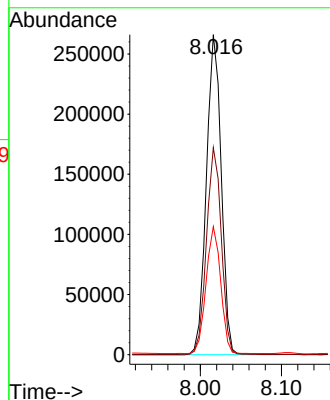
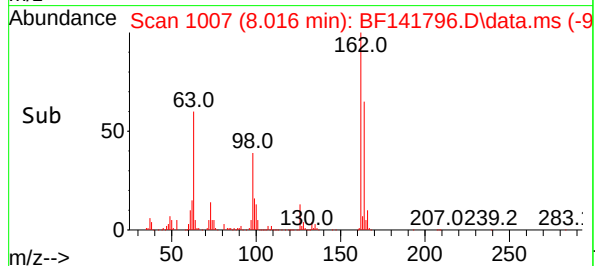
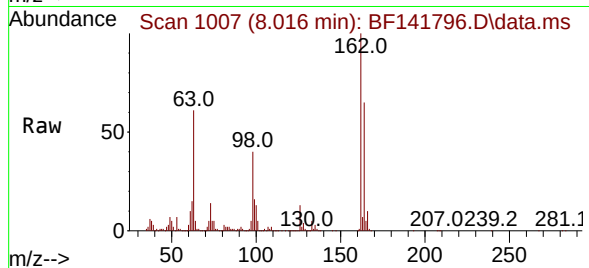
98 40.0 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 20.955 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

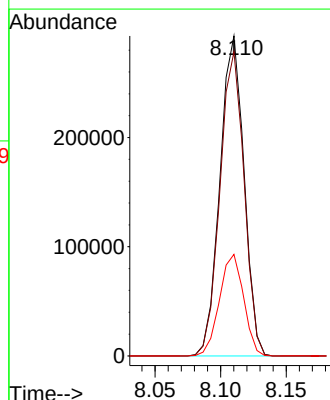
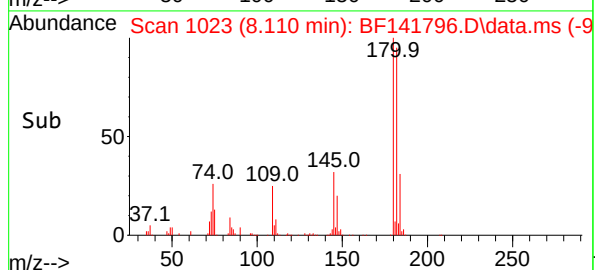
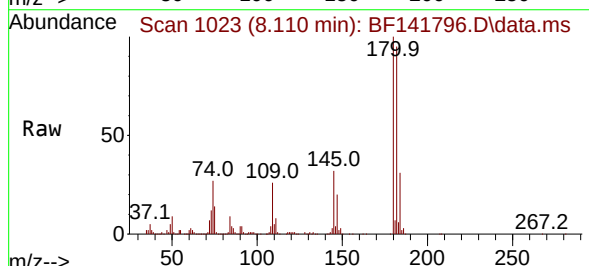
Tgt Ion:180 Resp: 374188

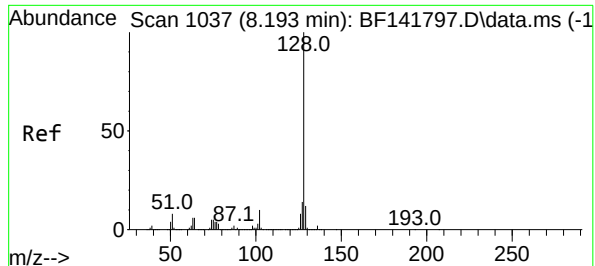
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

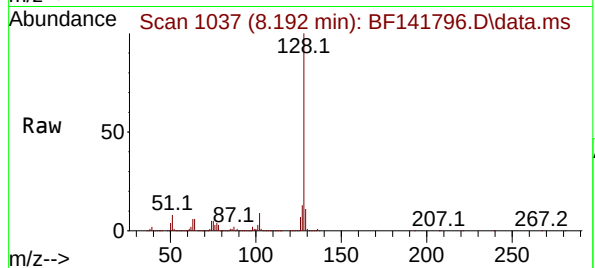
145 31.8 26.4 39.6





#31
Naphthalene
Concen: 21.409 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

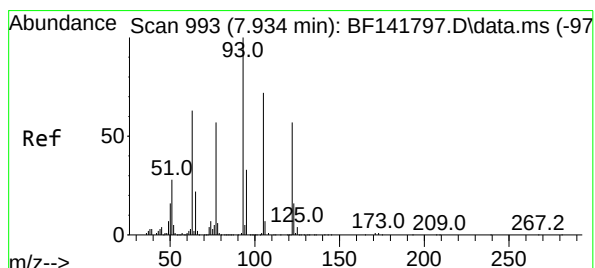
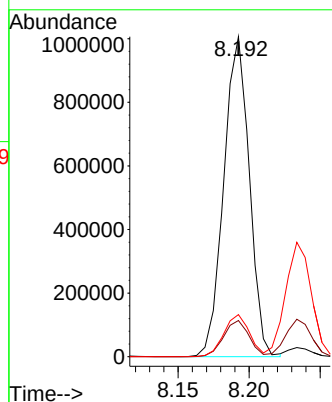
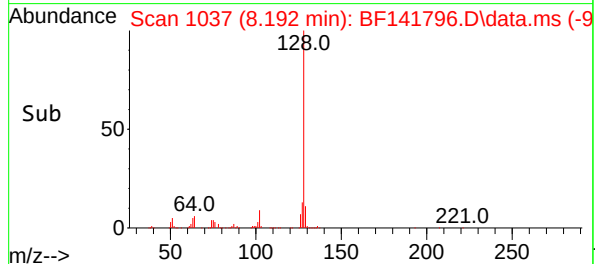
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 125808
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.2 11.0 16.4

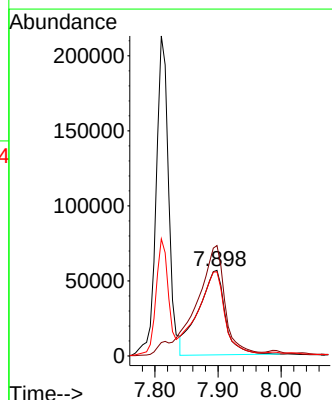
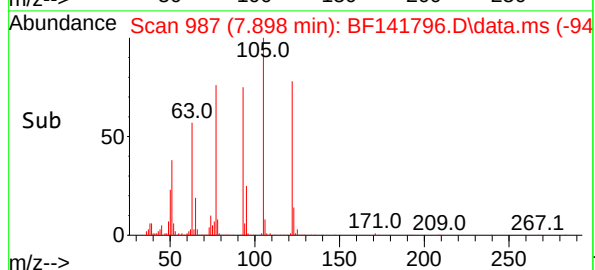
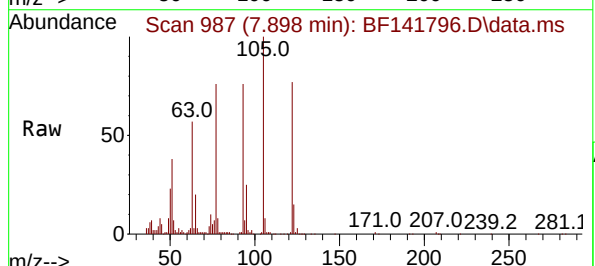
Manual Integrations
APPROVED

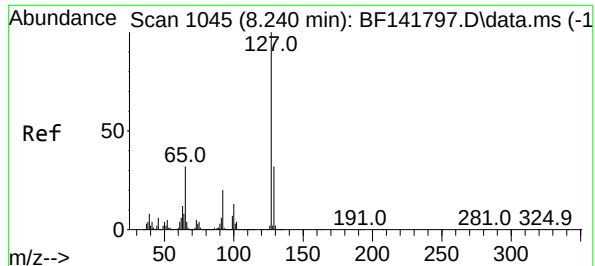
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

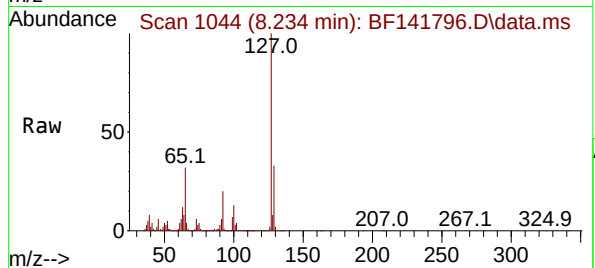
Tgt Ion:122 Resp: 165613
Ion Ratio Lower Upper
122 100
105 129.2 105.8 145.8
77 98.4 79.9 119.9





#33
4-Chloroaniline
Concen: 21.097 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

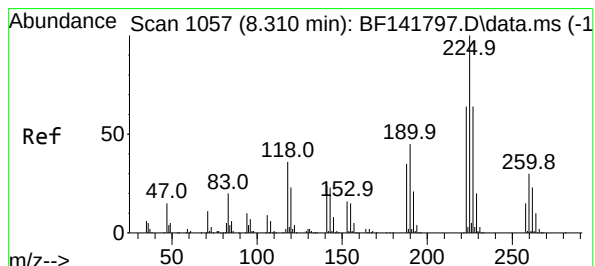
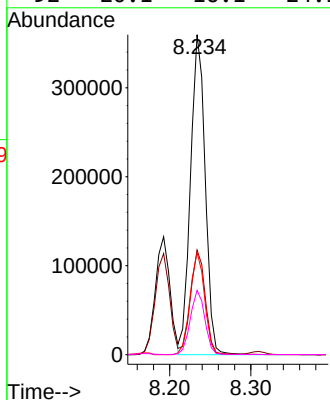
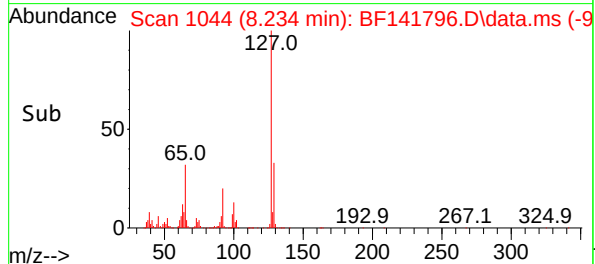
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:127 Resp: 45456
Ion Ratio Lower Upper
127 100
129 32.7 26.1 39.1
65 32.0 25.7 38.5
92 20.1 16.1 24.1

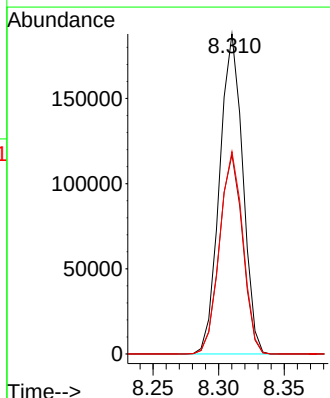
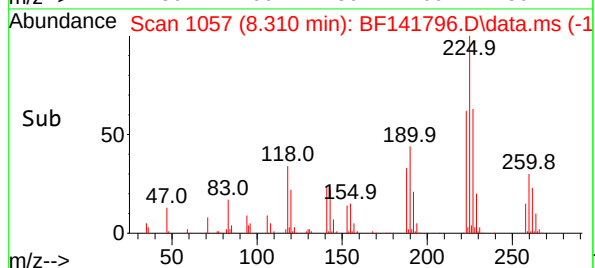
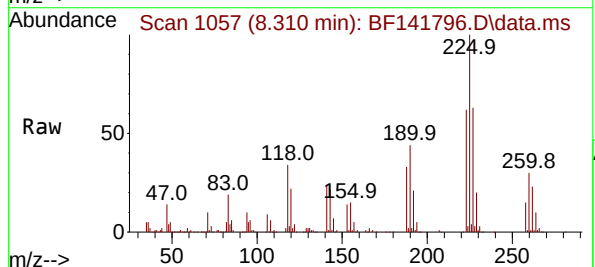
Manual Integrations
APPROVED

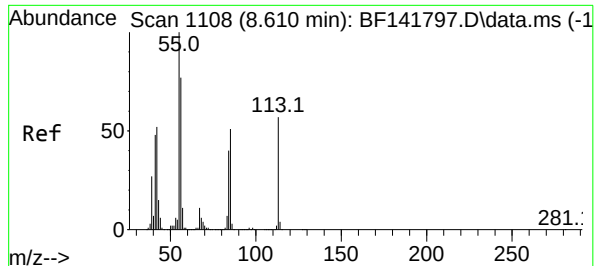
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

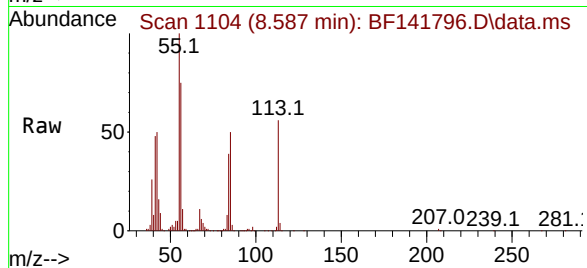
Tgt Ion:225 Resp: 230541
Ion Ratio Lower Upper
225 100
223 62.3 51.4 77.2
227 63.2 51.6 77.4





#35
Caprolactam
Concen: 20.521 ng
RT: 8.587 min Scan# 1104
Delta R.T. -0.024 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

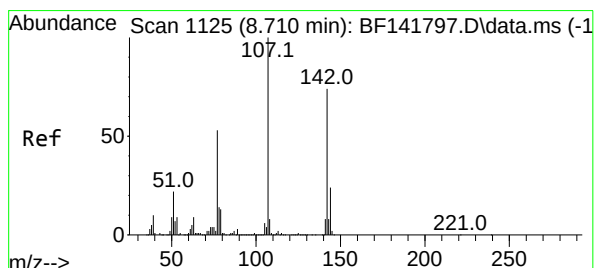
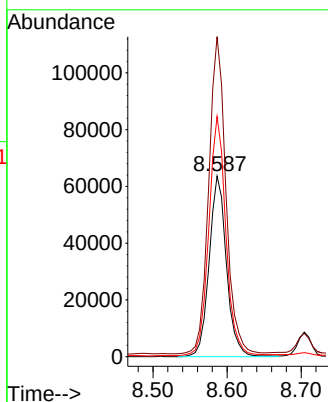
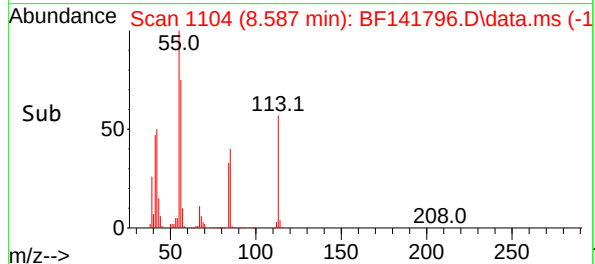
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 102898
Ion Ratio Lower Upper
113 100
55 177.2 155.6 195.6
56 132.9 114.6 154.6

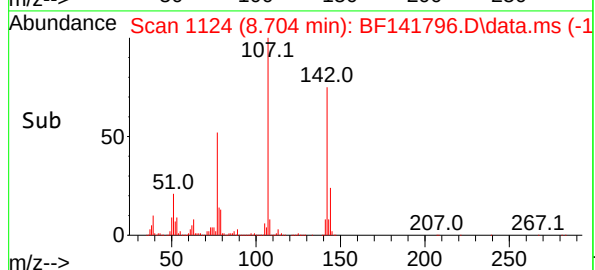
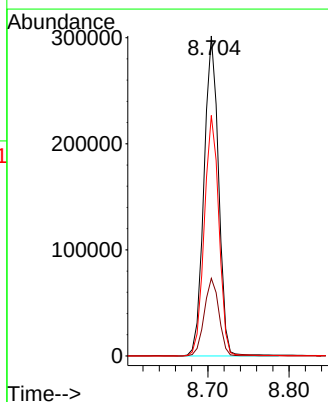
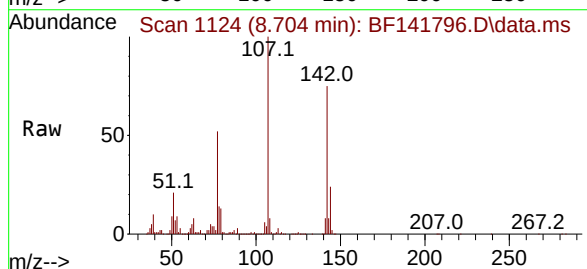
Manual Integrations
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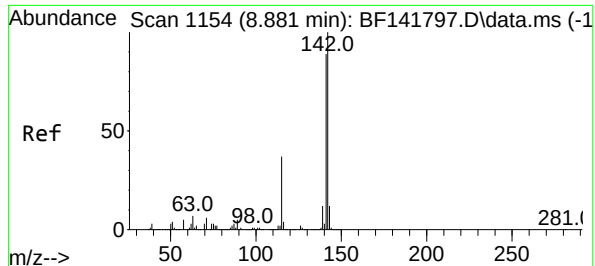
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:107 Resp: 376094
Ion Ratio Lower Upper
107 100
144 24.3 19.4 29.0
142 75.1 59.4 89.0





#37

2-Methylnaphthalene

Concen: 21.443 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 82649

Ion Ratio Lower Upper

142 100

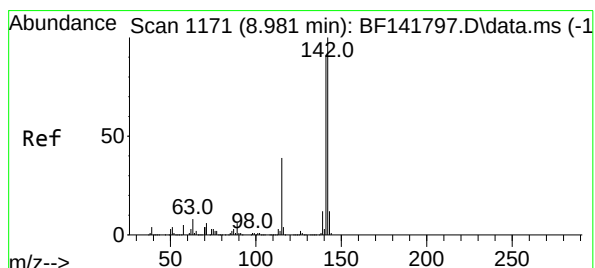
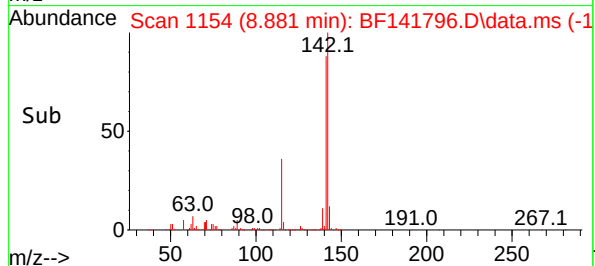
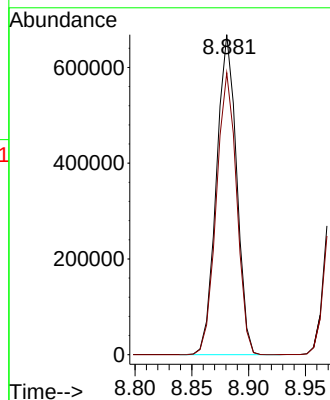
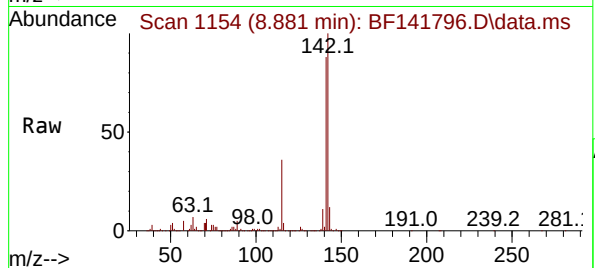
141 88.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#38

1-Methylnaphthalene

Concen: 21.545 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141796.D

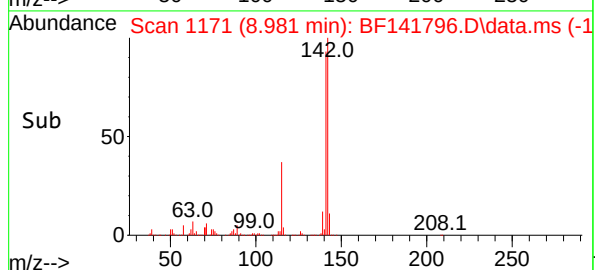
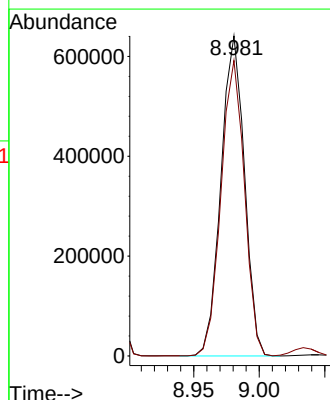
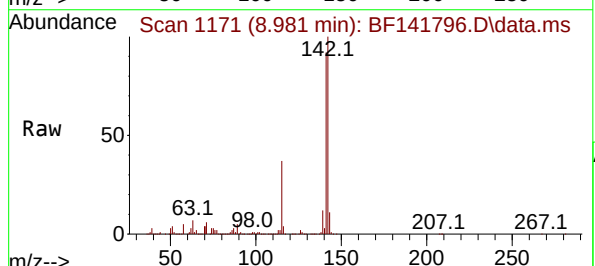
Acq: 27 Feb 2025 16:46

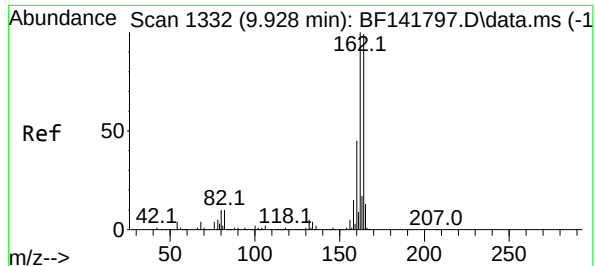
Tgt Ion:142 Resp: 796808

Ion Ratio Lower Upper

142 100

141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141796.D

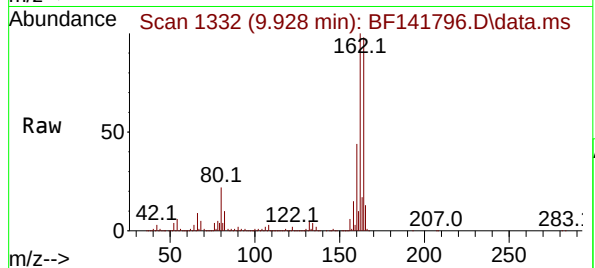
Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 626338

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

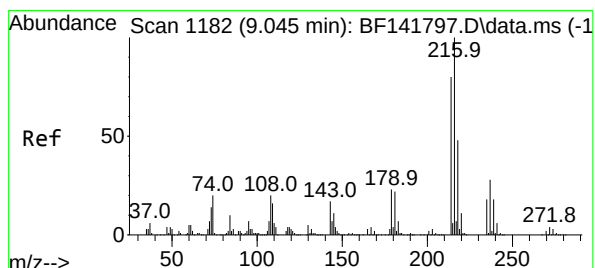
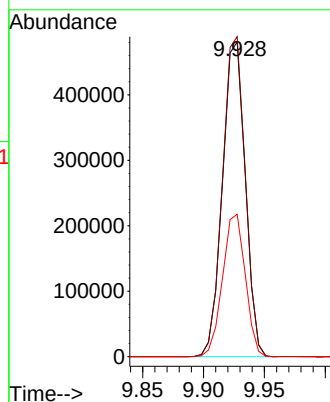
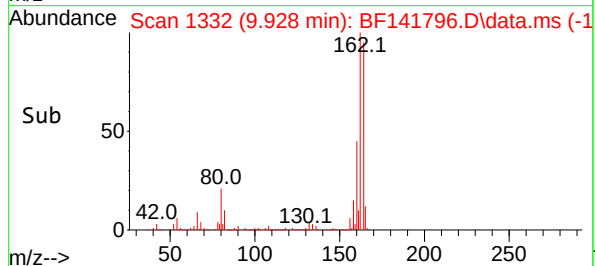
160 45.3 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

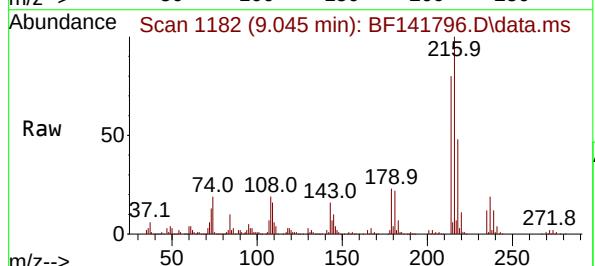
Concen: 20.861 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46



Tgt Ion:216 Resp: 377360

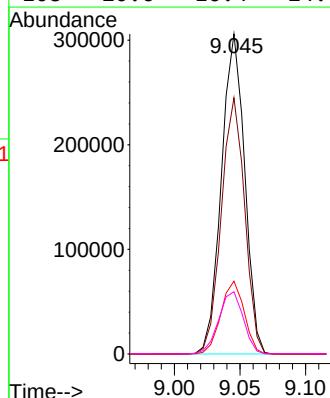
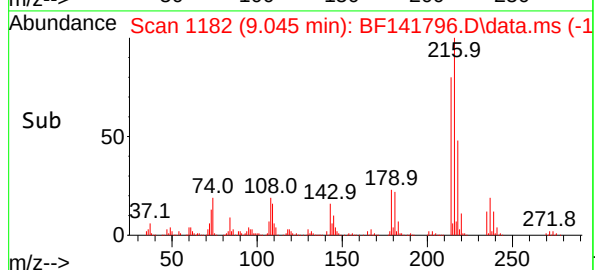
Ion Ratio Lower Upper

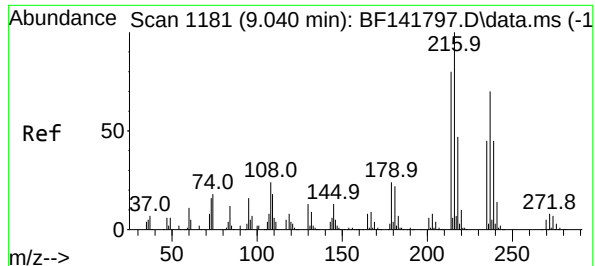
216 100

214 80.0 63.5 95.3

179 22.8 18.1 27.1

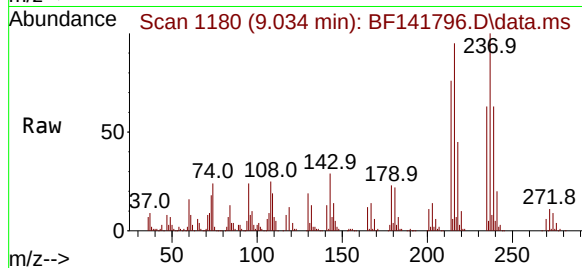
108 20.6 16.4 24.6





#41
Hexachlorocyclopentadiene
Concen: 20.943 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

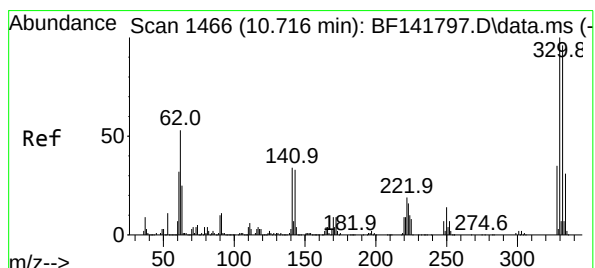
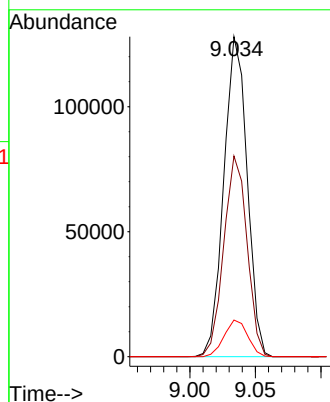
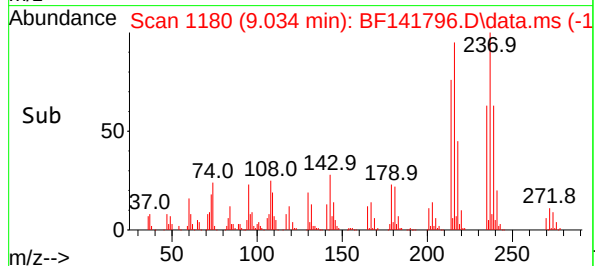
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



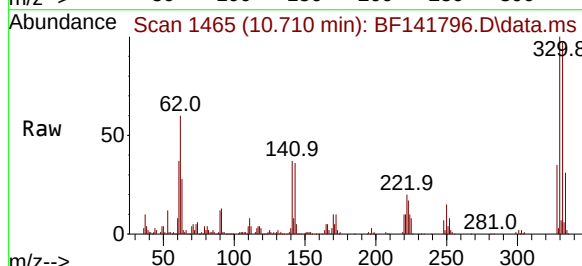
Tgt Ion:237 Resp: 15810
Ion Ratio Lower Upper
237 100
235 62.7 43.3 83.3
272 11.4 0.0 31.9

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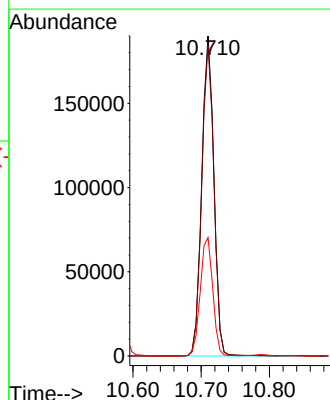
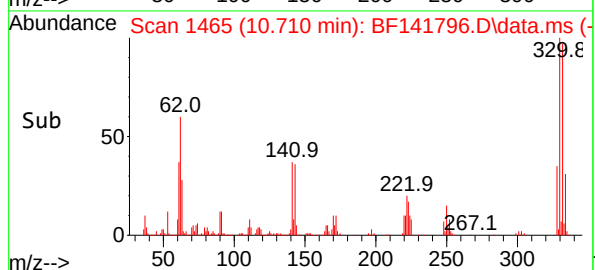
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

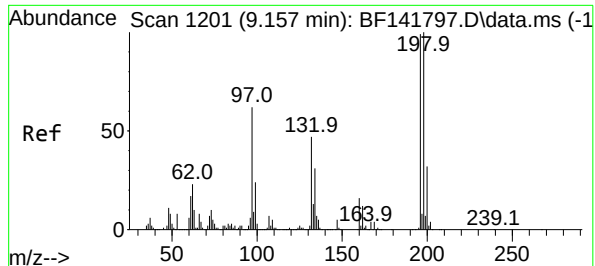


#42
2,4,6-Tribromophenol
Concen: 39.990 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



Tgt Ion:330 Resp: 235147
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 38.3 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 20.419 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:196 Resp: 23859

Ion Ratio Lower Upper

196 100

198 100.1 80.4 120.6

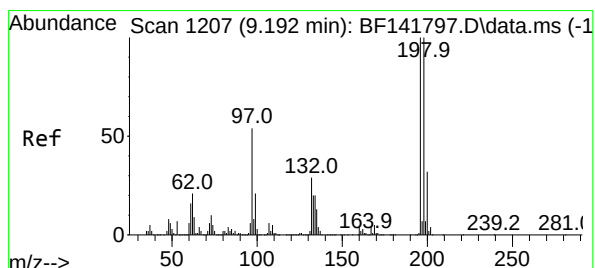
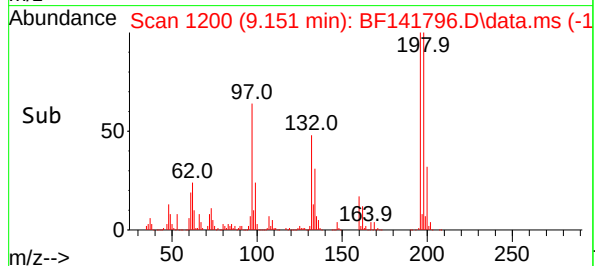
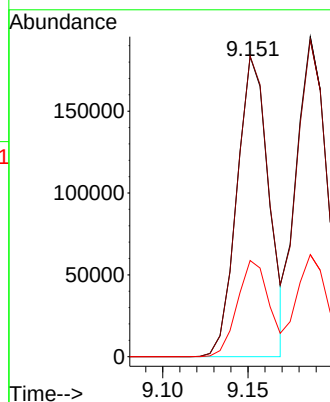
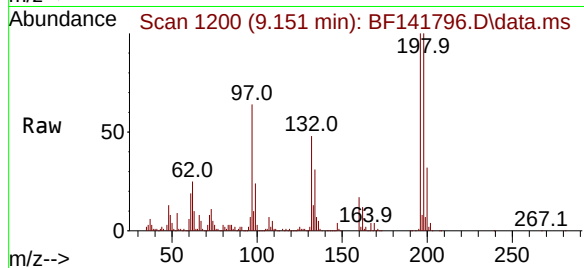
200 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 20.976 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Tgt Ion:196 Resp: 242709

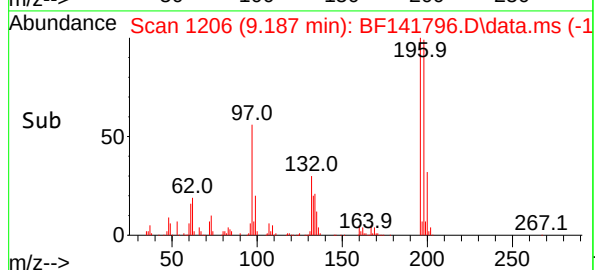
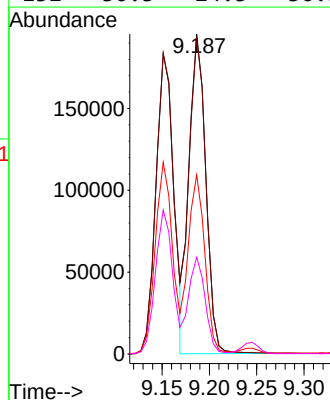
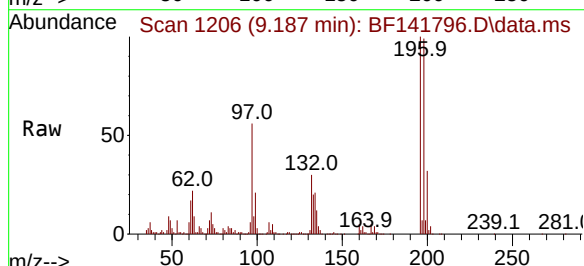
Ion Ratio Lower Upper

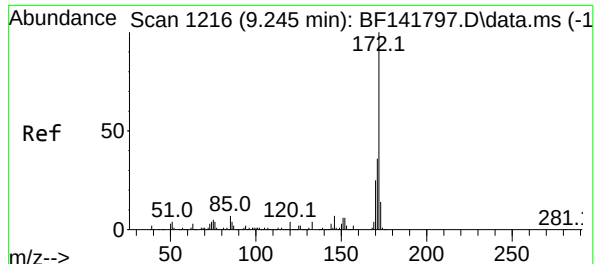
196 100

198 99.1 79.7 119.5

97 55.9 44.2 66.2

132 30.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 43.170 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 1686318

Ion Ratio Lower Upper

172 100

171 35.6 29.2 43.8

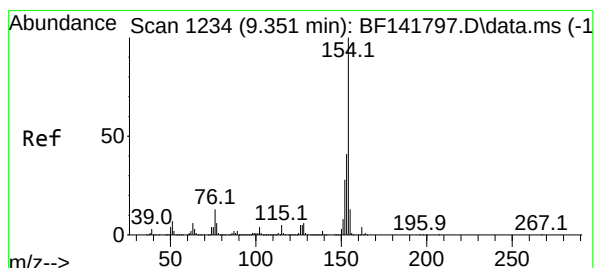
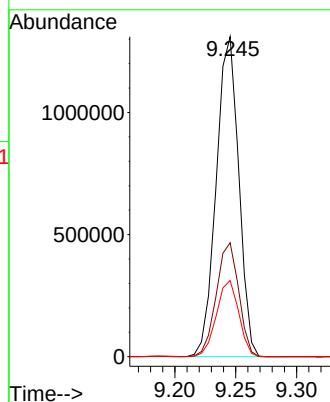
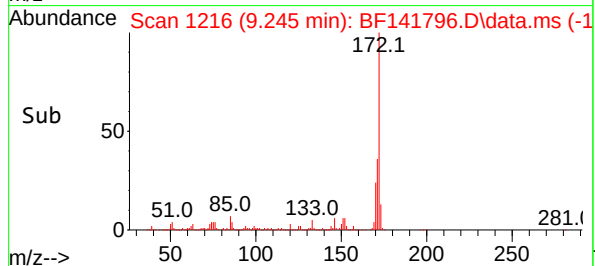
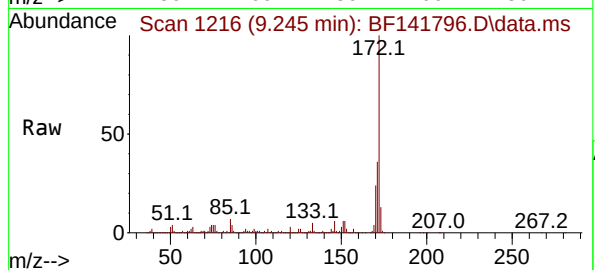
170 23.8 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#46

1,1'-Biphenyl

Concen: 21.418 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

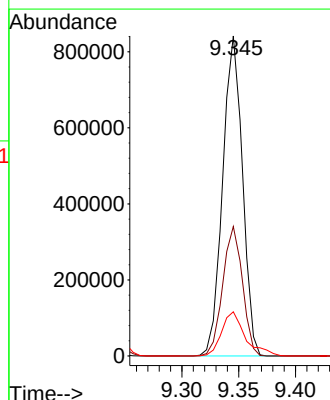
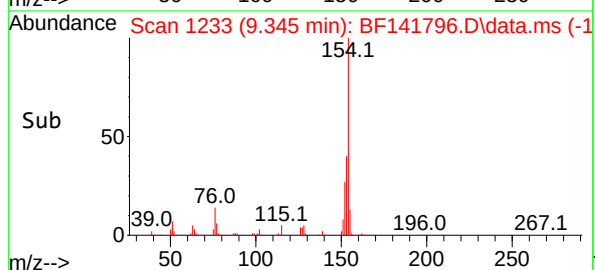
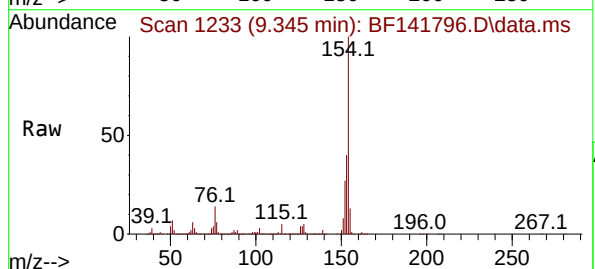
Tgt Ion:154 Resp: 1021081

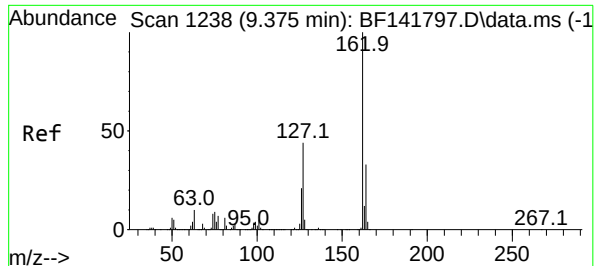
Ion Ratio Lower Upper

154 100

153 40.4 21.4 61.4

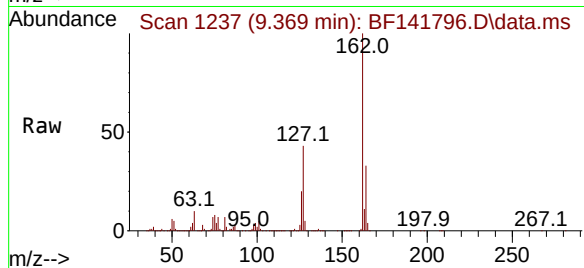
76 13.8 0.0 33.4





#47
2-Chloronaphthalene
Concen: 21.375 ng
RT: 9.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

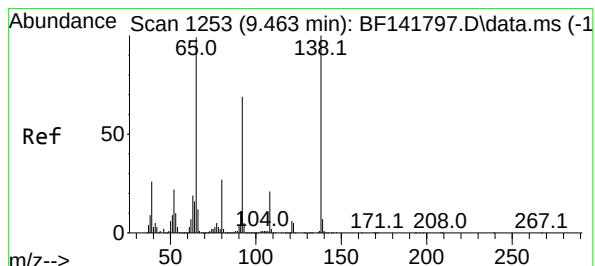
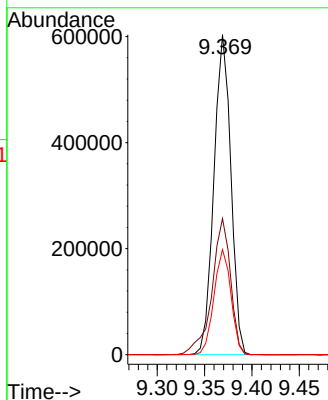
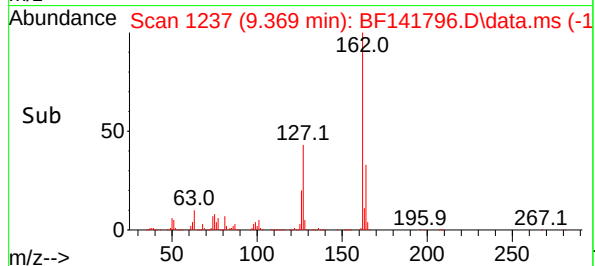
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:162 Resp: 75214
Ion Ratio Lower Upper
162 100
127 42.5 35.0 52.6
164 32.9 26.6 40.0

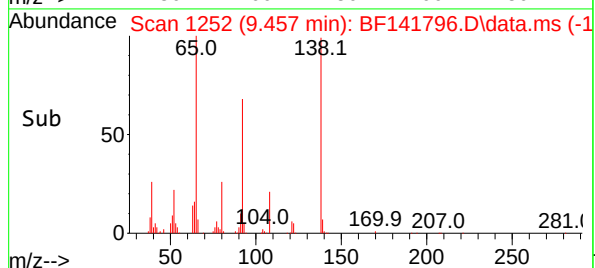
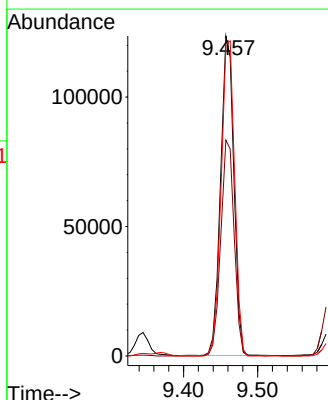
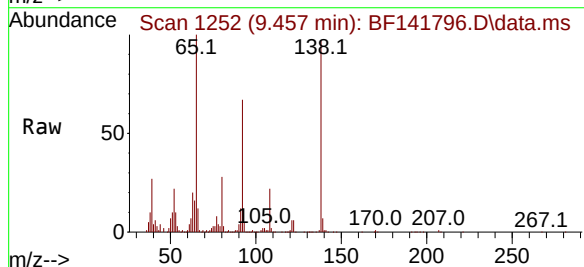
Manual Integrations
APPROVED

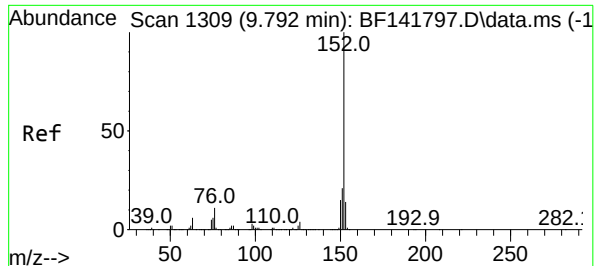
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion: 65 Resp: 153869
Ion Ratio Lower Upper
65 100
92 67.5 55.7 83.5
138 97.5 80.6 121.0





#49

Acenaphthylene

Concen: 21.349 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 112630

Ion Ratio Lower Upper

152 100

151 20.2 16.6 24.8

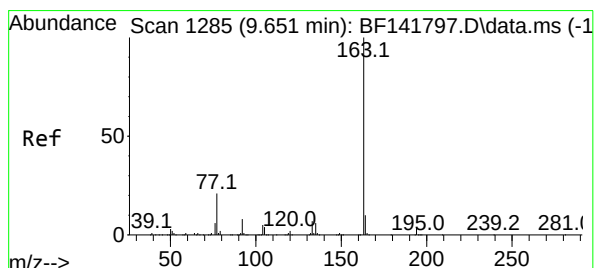
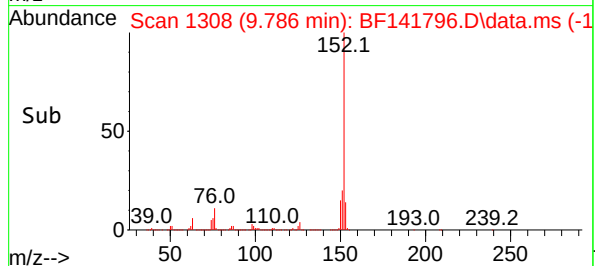
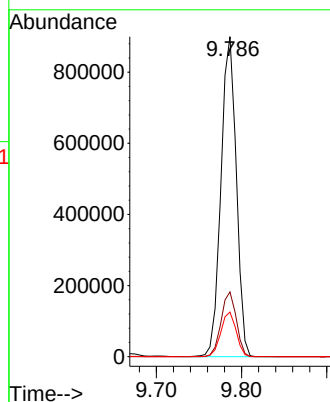
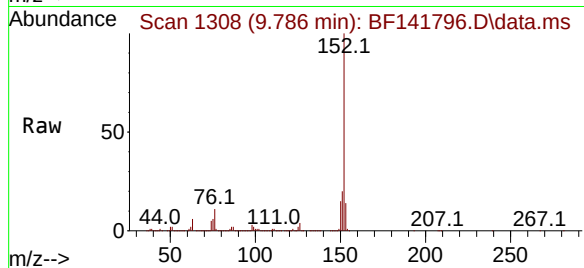
153 13.9 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 20.977 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

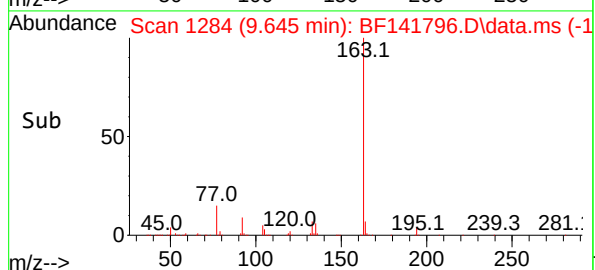
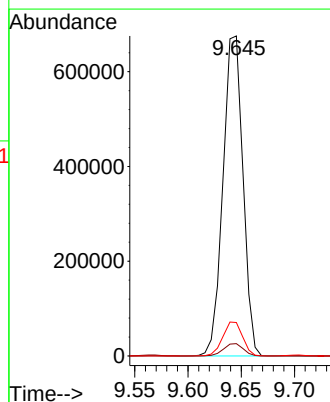
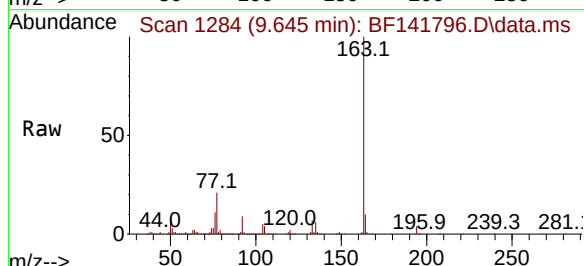
Tgt Ion:163 Resp: 879870

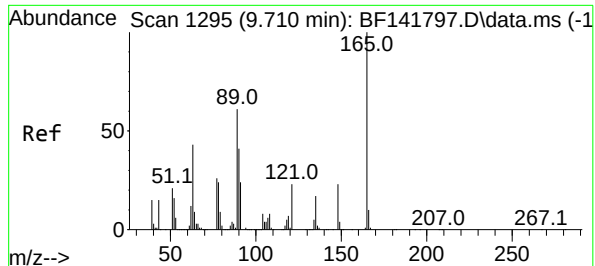
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

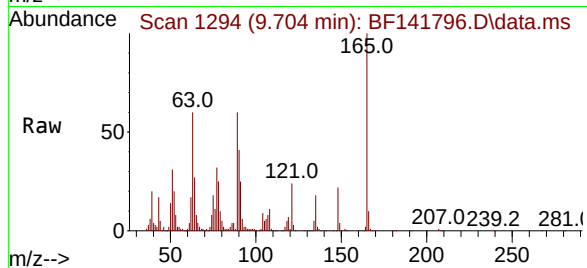
164 10.4 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 19.796 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

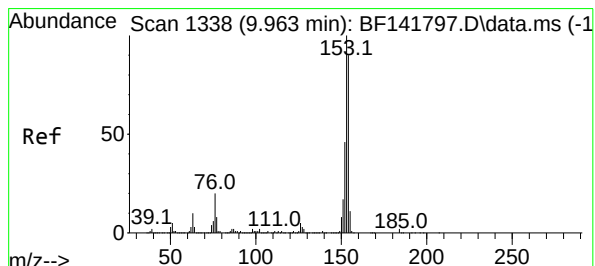
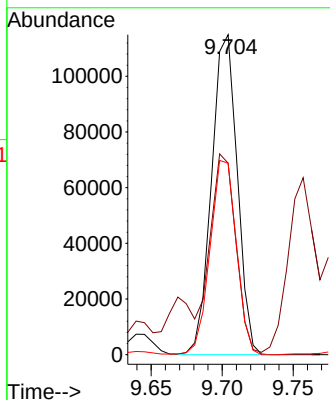
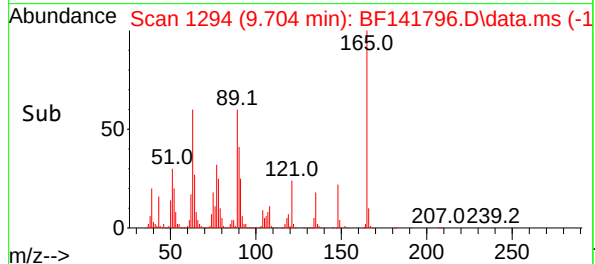
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 144673
Ion Ratio Lower Upper
165 100
63 59.9 49.5 74.3
89 59.8 49.0 73.4

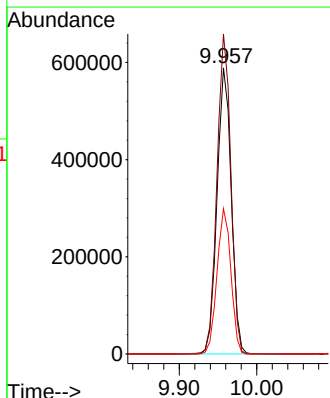
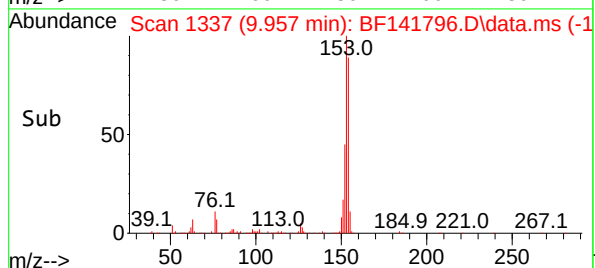
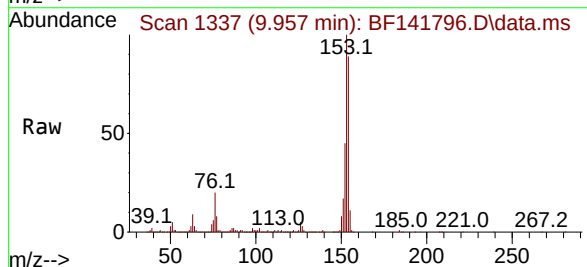
Manual Integrations
APPROVED

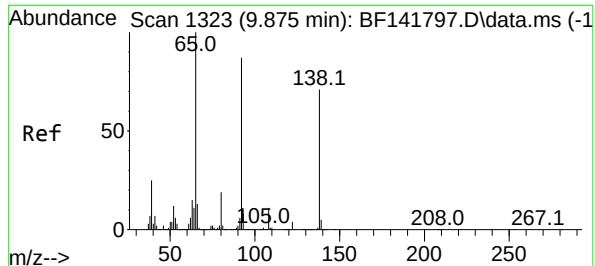
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

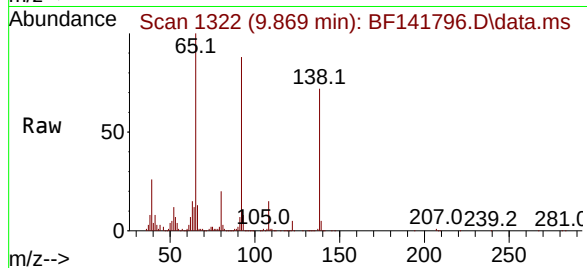
Tgt Ion:154 Resp: 749963
Ion Ratio Lower Upper
154 100
153 111.9 88.7 133.1
152 50.8 40.9 61.3





#53
3-Nitroaniline
Concen: 19.664 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

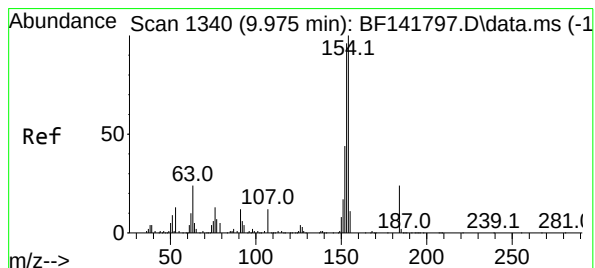
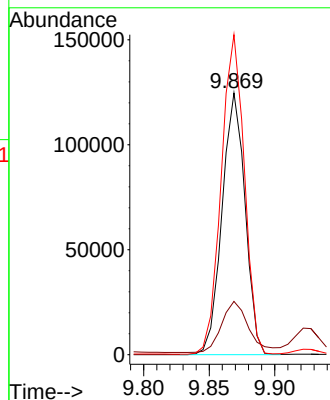
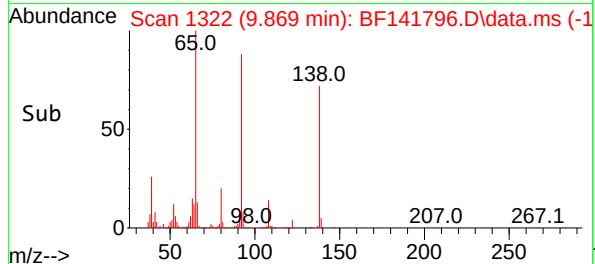
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 152114
Ion Ratio Lower Upper
138 100
108 20.3 12.7 19.1
92 122.3 97.9 146.9

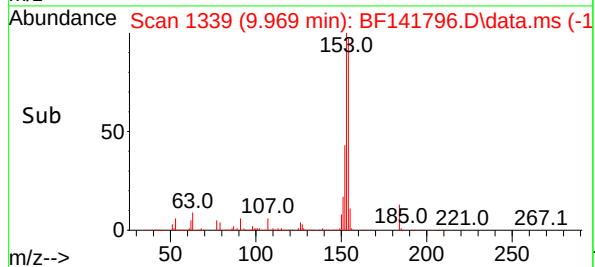
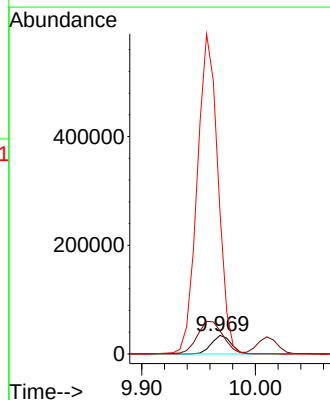
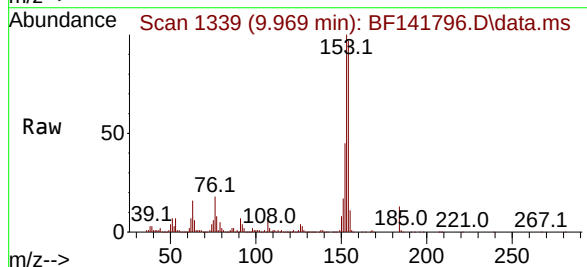
Manual Integrations
APPROVED

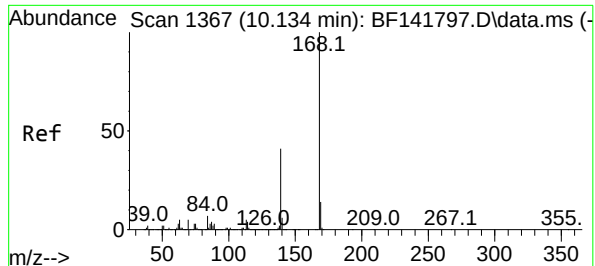
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

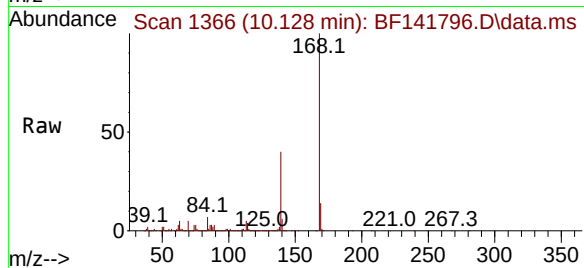
Tgt Ion:184 Resp: 41521
Ion Ratio Lower Upper
184 100
63 125.2 79.0 118.6#
154 760.8 335.8 503.8#





#55
Dibenzenofuran
Concen: 21.332 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

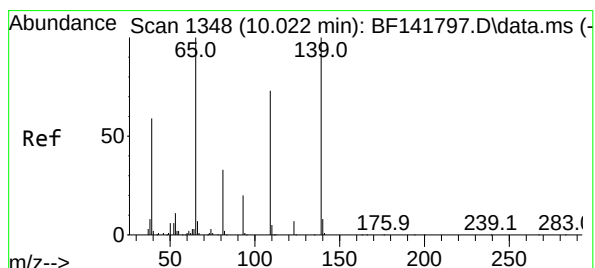
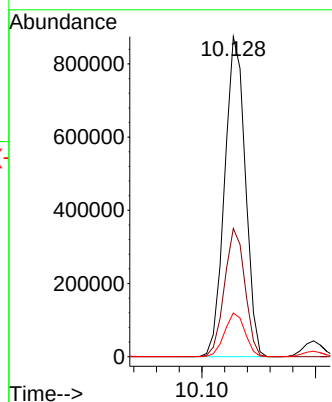
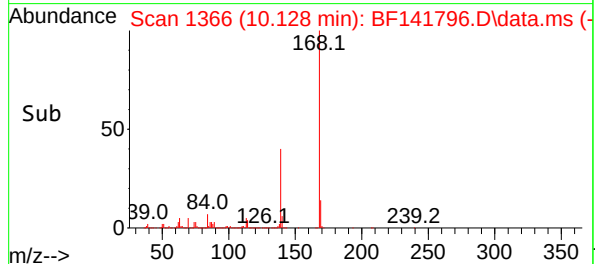
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:168 Resp: 1105278
Ion Ratio Lower Upper
168 100
139 40.1 32.9 49.3
169 13.6 11.1 16.7

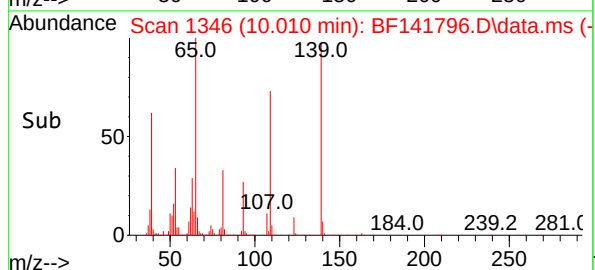
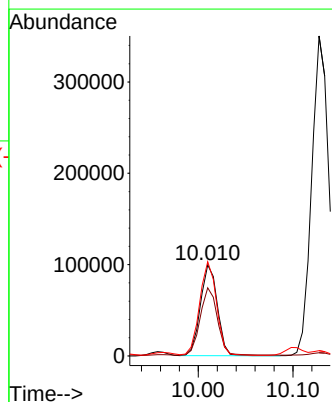
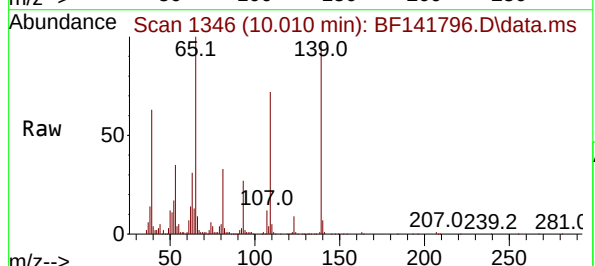
Manual Integrations
APPROVED

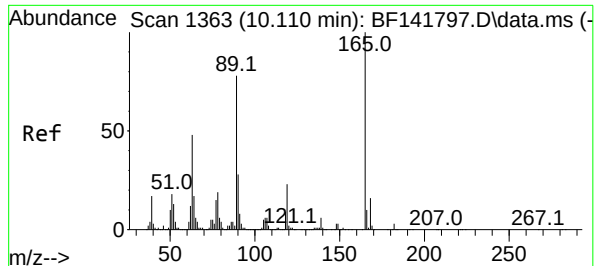
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

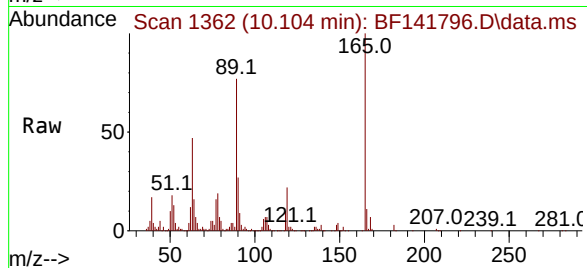
Tgt Ion:139 Resp: 123415
Ion Ratio Lower Upper
139 100
109 74.8 53.4 93.4
65 103.5 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 19.214 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

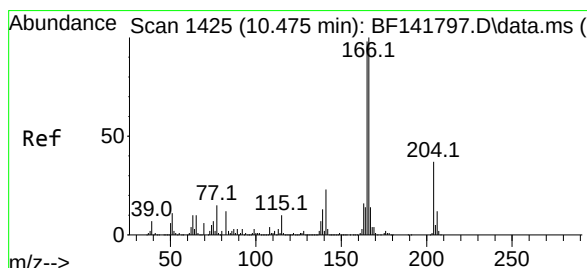
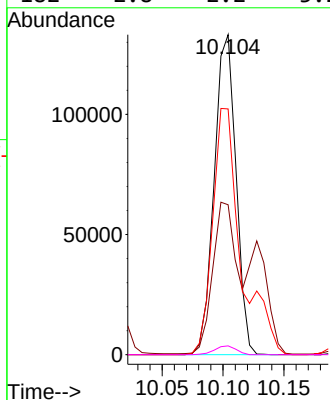
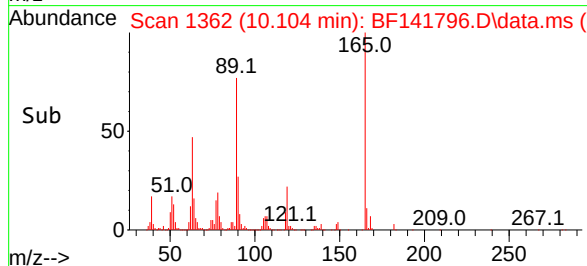
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 165949
Ion Ratio Lower Upper
165 100
63 46.9 38.8 58.2
89 76.8 62.6 94.0
182 2.8 2.2 3.2

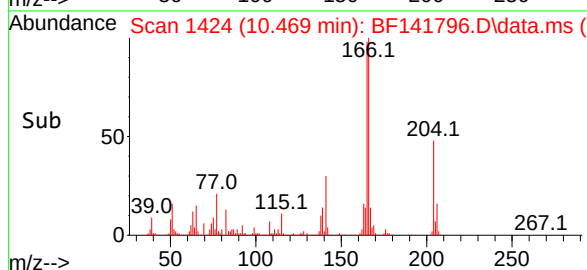
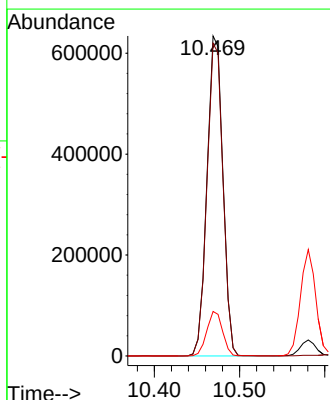
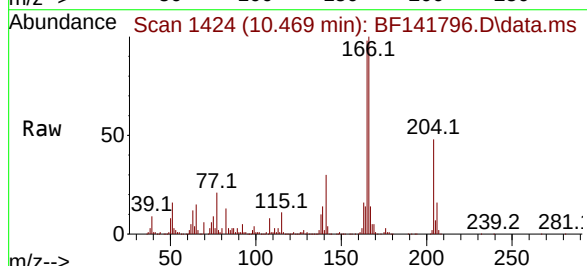
Manual Integrations
APPROVED

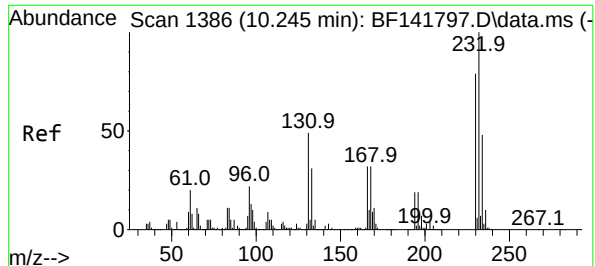
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

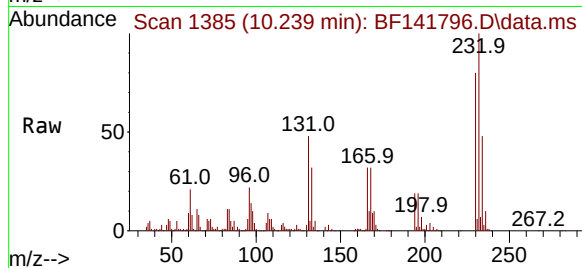
Tgt Ion:166 Resp: 822264
Ion Ratio Lower Upper
166 100
165 97.7 78.6 117.8
167 13.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.902 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

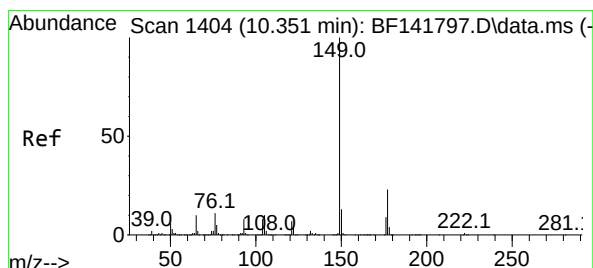
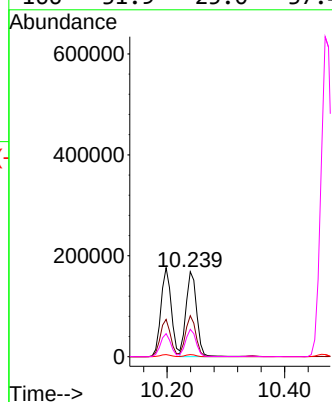
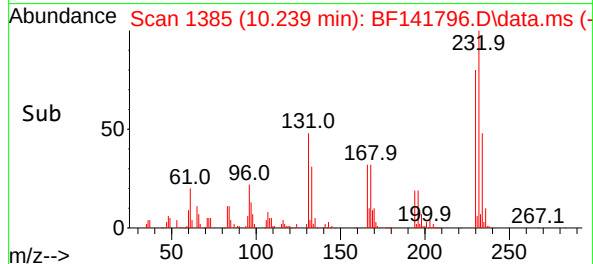
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 210339
Ion Ratio Lower Upper
232 100
131 47.6 37.8 56.8
130 2.5 2.0 3.0
166 31.9 25.0 37.4

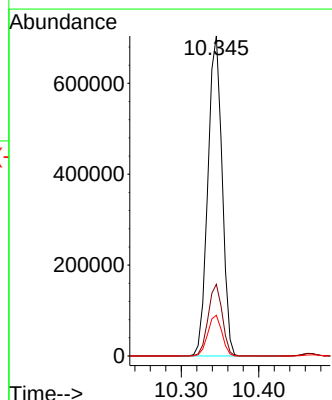
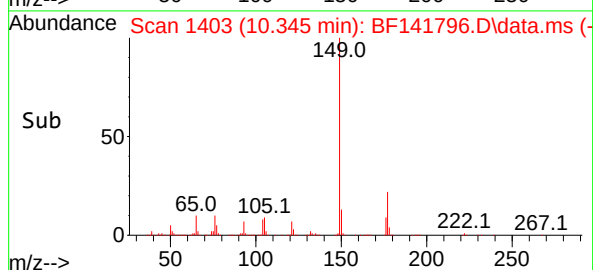
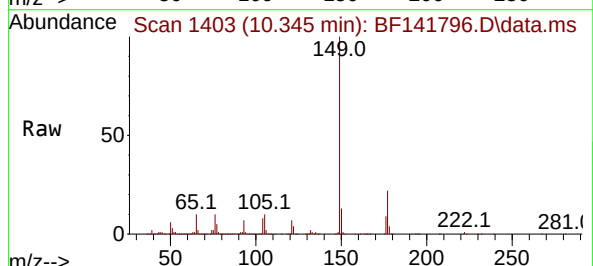
Manual Integrations
APPROVED

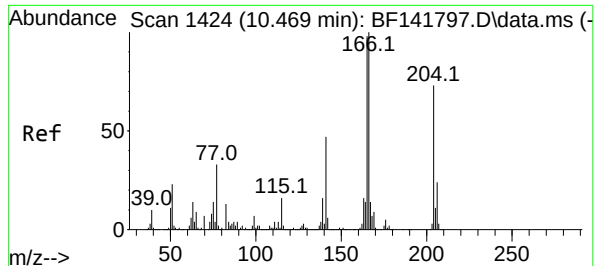
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

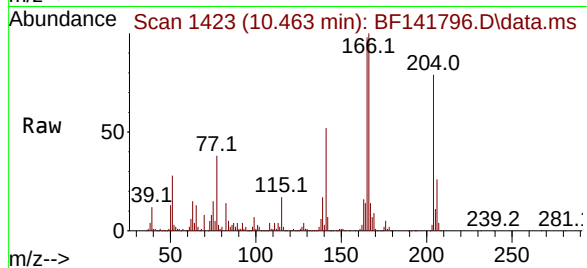
Tgt Ion:149 Resp: 894118
Ion Ratio Lower Upper
149 100
177 22.4 18.3 27.5
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 21.069 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

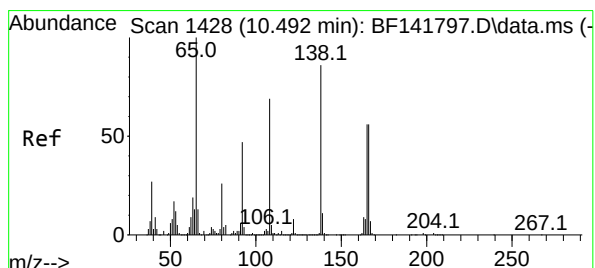
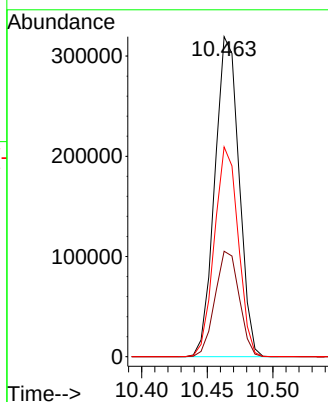
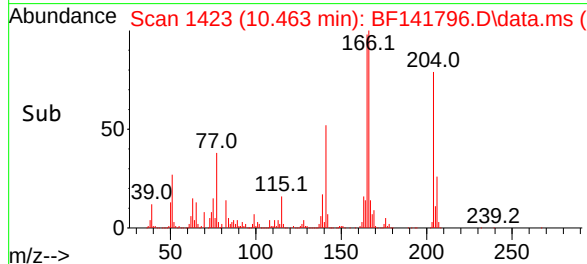
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 409697
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 65.6 51.7 77.5

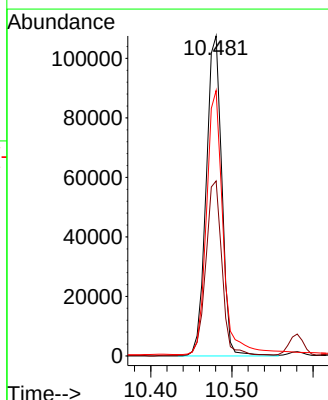
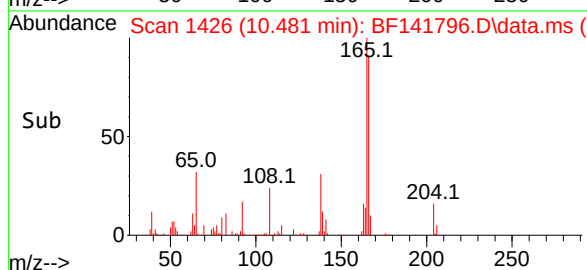
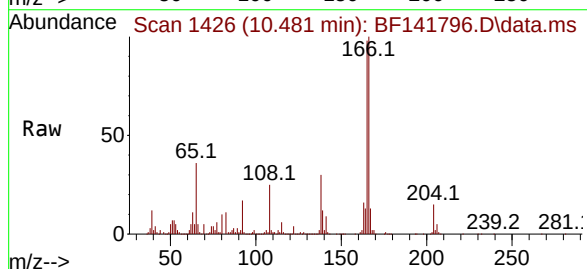
Manual Integrations
APPROVED

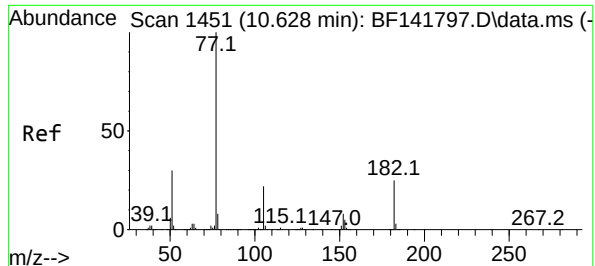
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

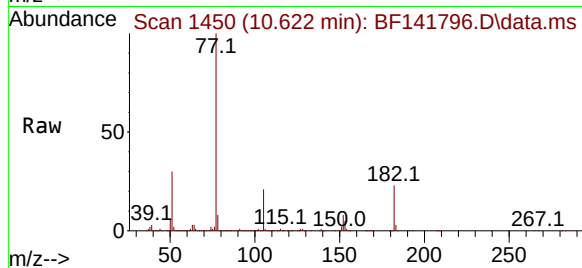
Tgt Ion:138 Resp: 143482
Ion Ratio Lower Upper
138 100
92 54.7 34.9 74.9
108 82.9 59.6 99.6





#63
Azobenzene
Concen: 21.288 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

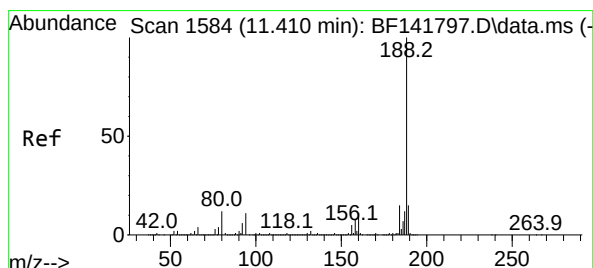
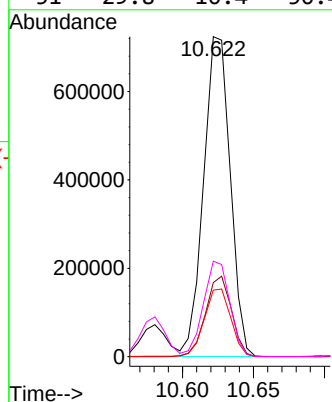
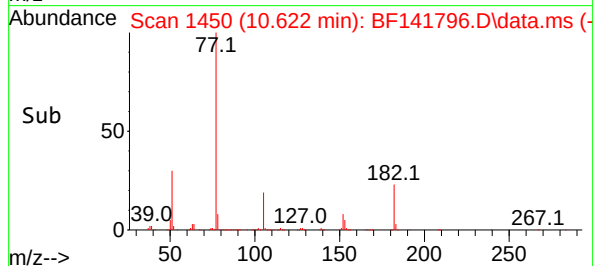
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 942495
Ion Ratio Lower Upper
77 100
182 23.2 4.2 44.2
105 20.8 1.5 41.5
51 29.8 10.4 50.4

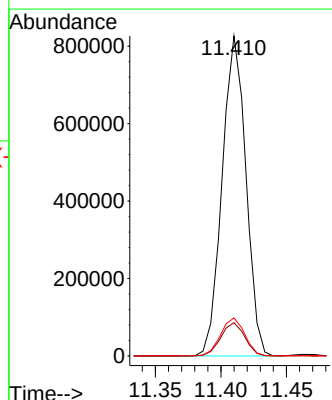
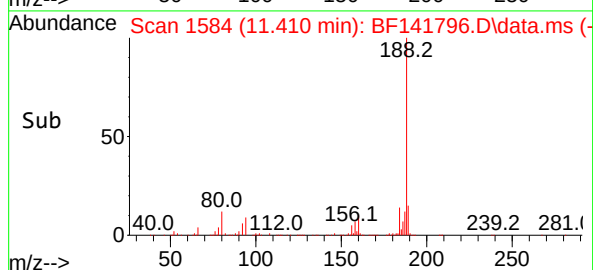
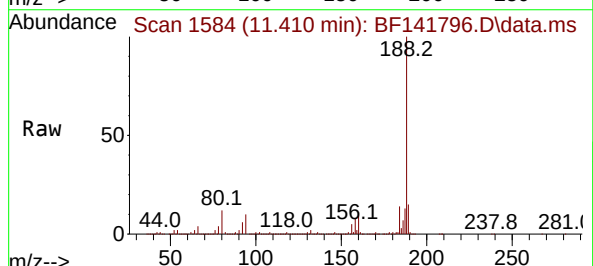
Manual Integrations
APPROVED

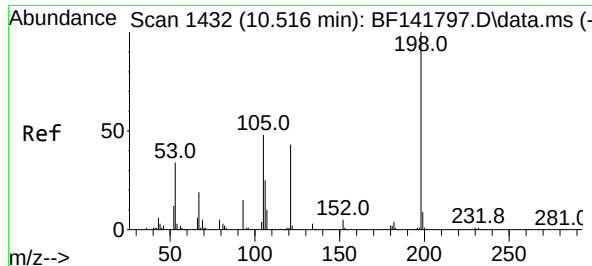
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:188 Resp: 1041715
Ion Ratio Lower Upper
188 100
94 10.4 8.9 13.3
80 11.9 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 19.161 ng

RT: 10.510 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:198 Resp: 6516

Ion Ratio Lower Upper

198 100

51 48.7 32.1 72.1

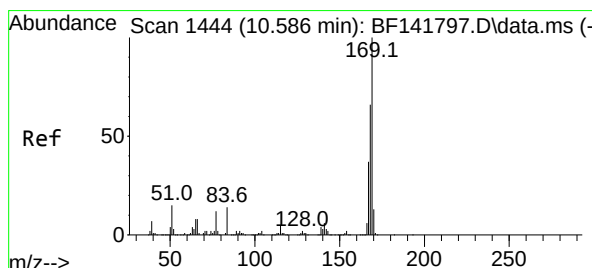
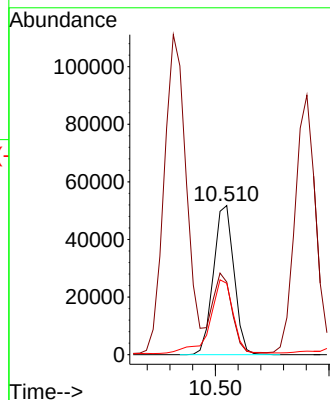
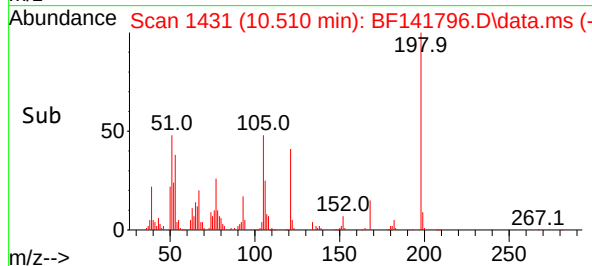
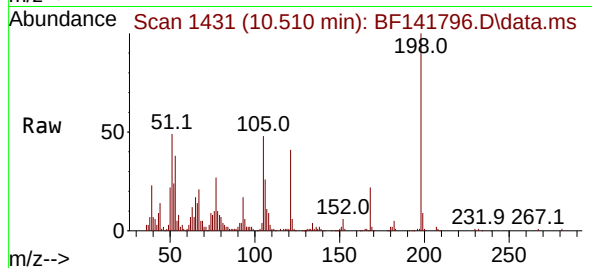
105 47.9 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#66

n-Nitrosodiphenylamine

Concen: 20.977 ng

RT: 10.581 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

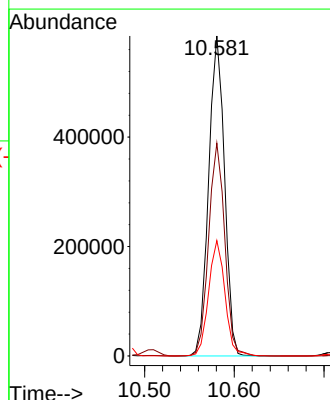
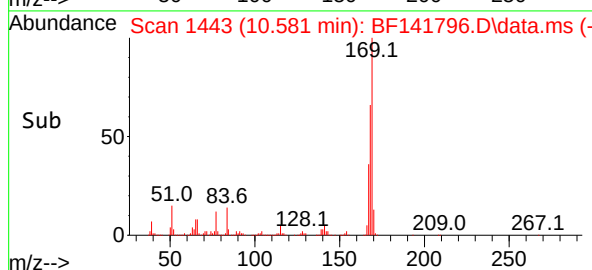
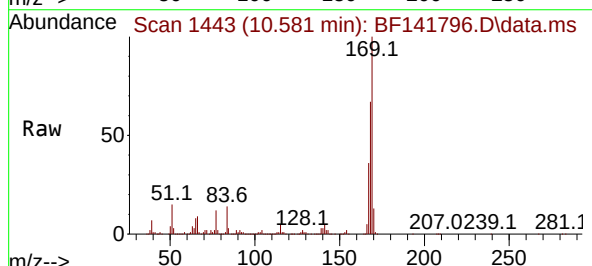
Tgt Ion:169 Resp: 717531

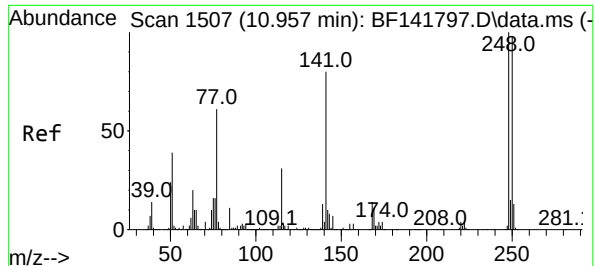
Ion Ratio Lower Upper

169 100

168 66.5 53.0 79.6

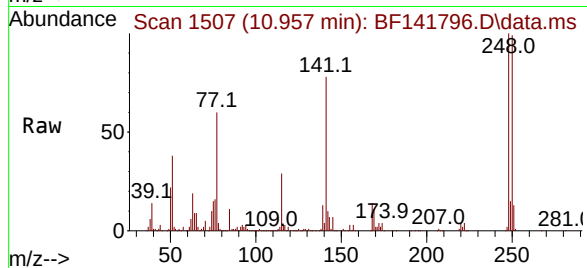
167 36.0 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 20.423 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

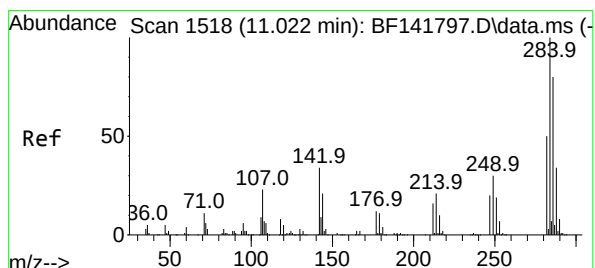
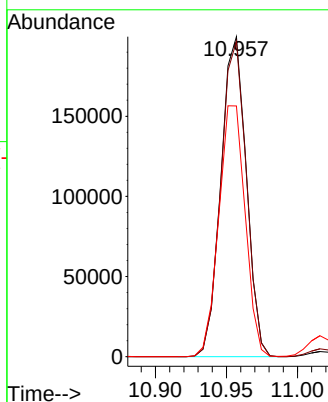
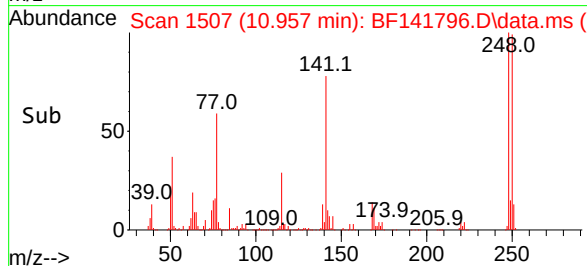
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:248 Resp: 248500
Ion Ratio Lower Upper
248 100
250 98.6 78.1 117.1
141 78.3 64.3 96.5

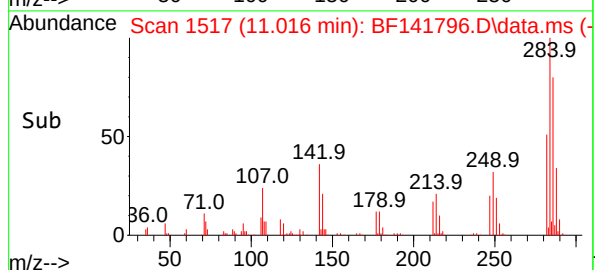
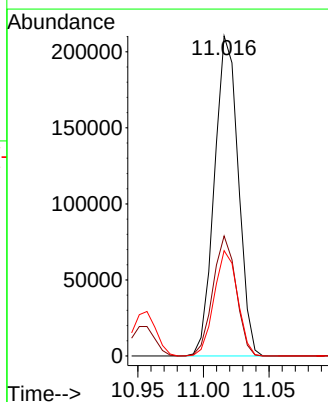
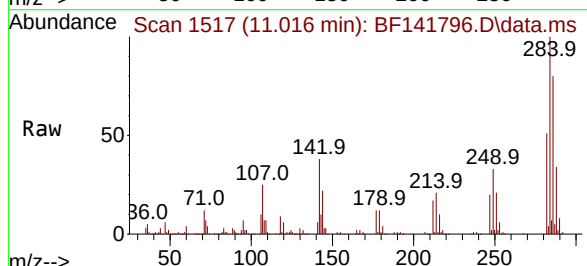
Manual Integrations
APPROVED

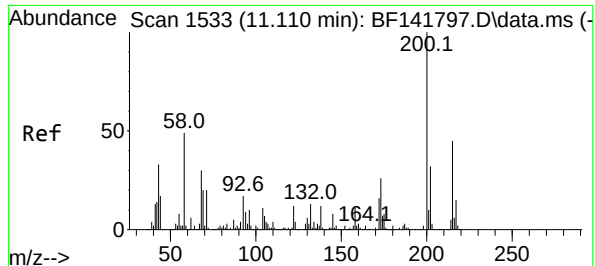
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:284 Resp: 265367
Ion Ratio Lower Upper
284 100
142 37.5 28.2 42.2
249 32.9 25.5 38.3





#69

Atrazine

Concen: 21.680 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 203939

Ion Ratio Lower Upper

200 100

173 25.7 5.6 45.6

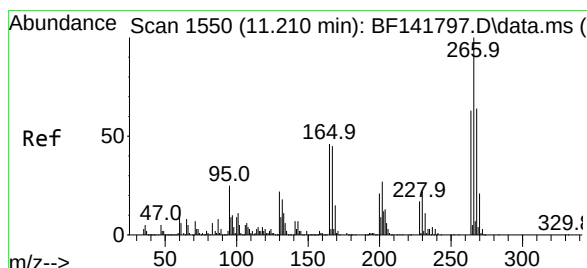
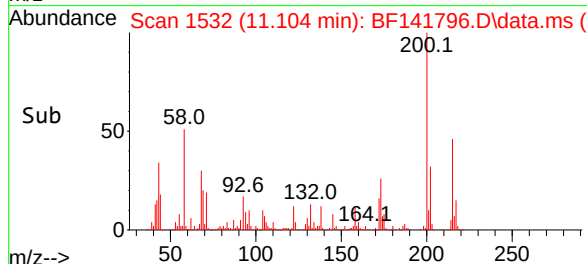
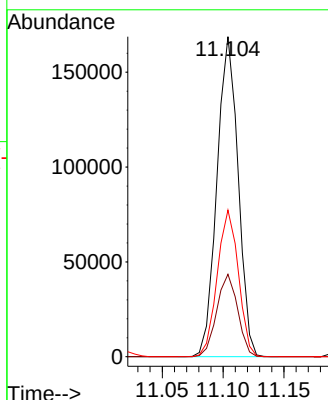
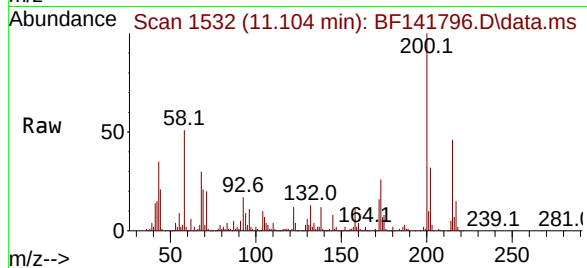
215 45.8 25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#70

Pentachlorophenol

Concen: 20.521 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

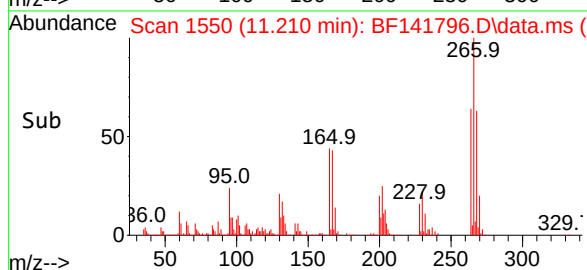
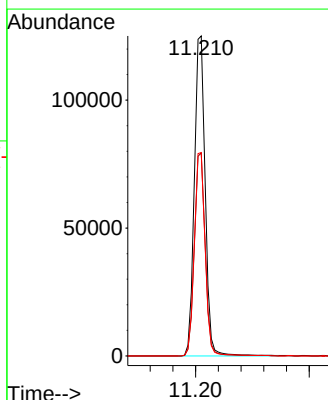
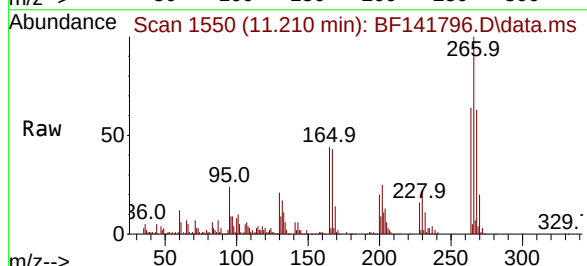
Tgt Ion:266 Resp: 167231

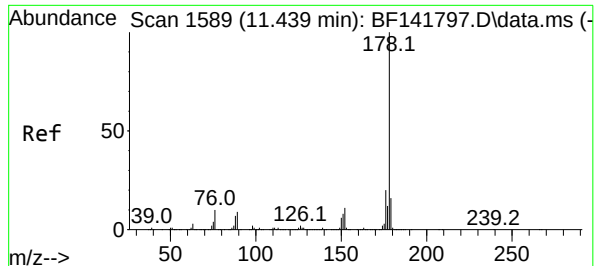
Ion Ratio Lower Upper

266 100

268 63.5 50.9 76.3

264 63.6 50.2 75.4





#71

Phenanthrene

Concen: 21.209 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:178 Resp: 1181769

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

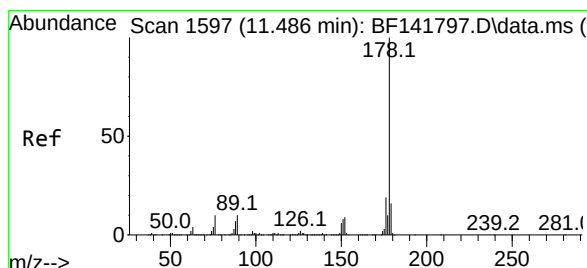
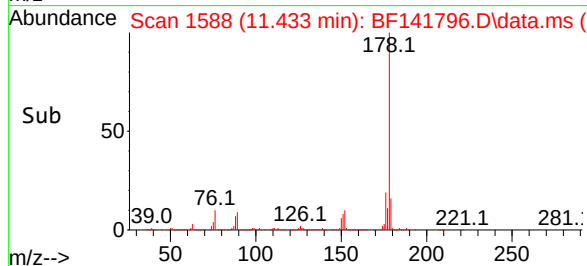
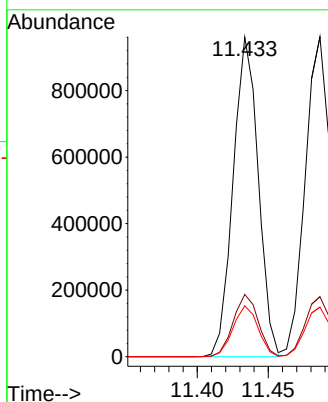
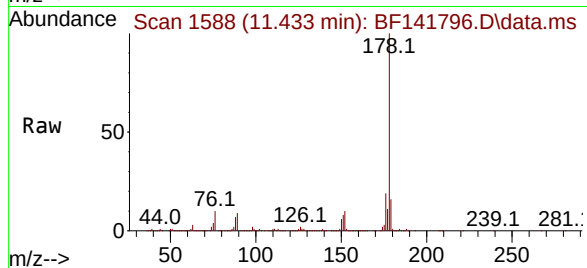
179 15.9 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#72

Anthracene

Concen: 21.554 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

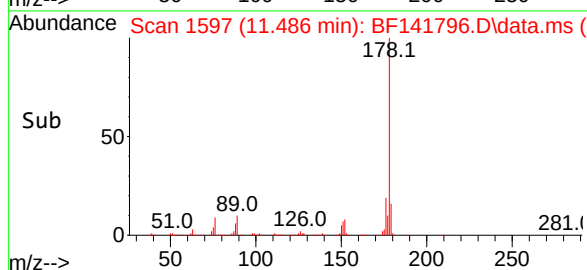
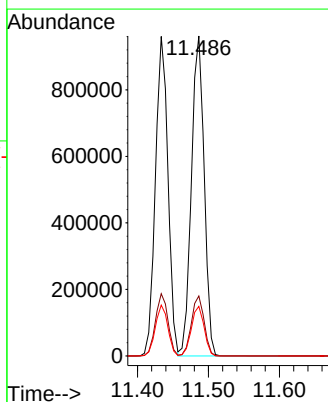
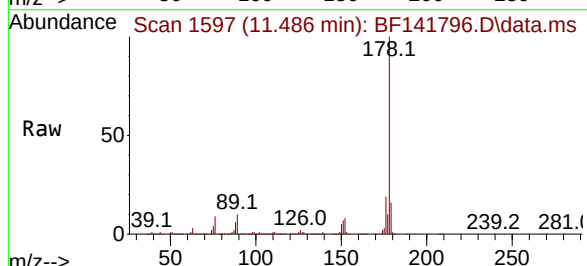
Tgt Ion:178 Resp: 1203701

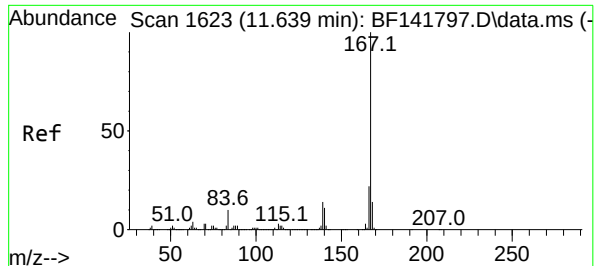
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

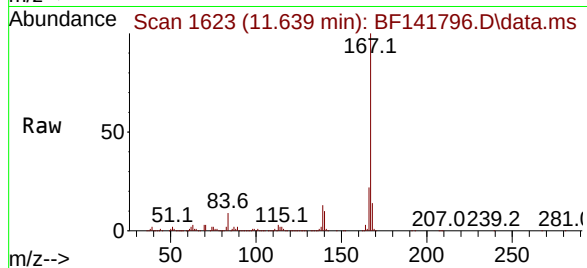
179 15.5 12.8 19.2





#73
Carbazole
Concen: 21.416 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

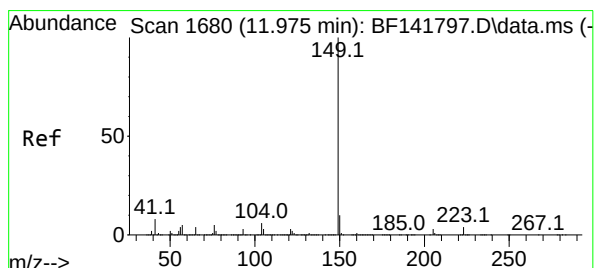
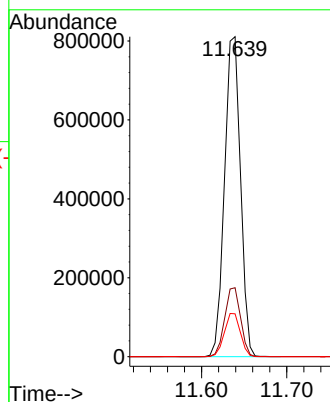
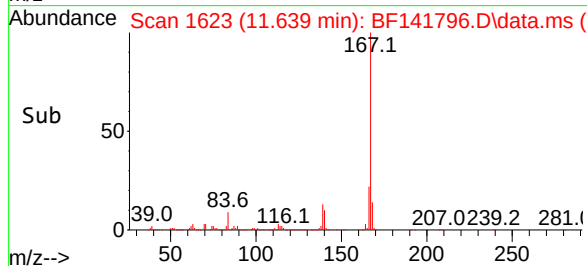
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:167 Resp: 105614
Ion Ratio Lower Upper
167 100
166 21.6 17.5 26.3
139 13.4 11.3 16.9

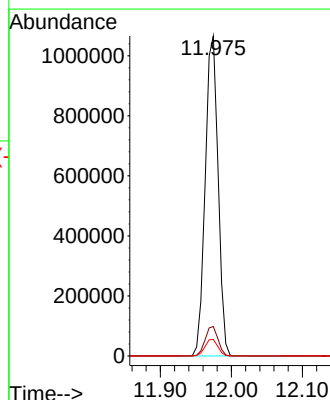
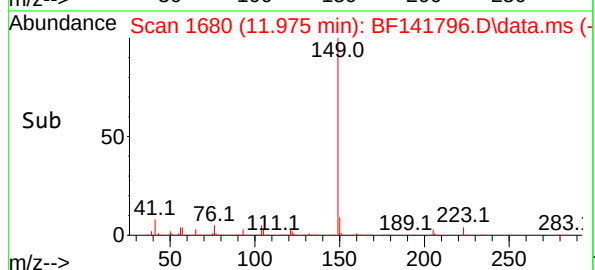
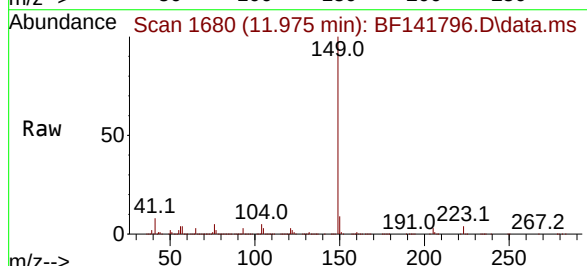
Manual Integrations
APPROVED

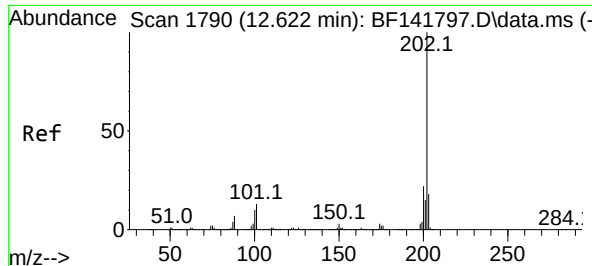
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

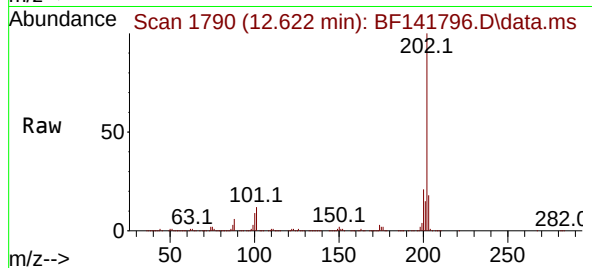
Tgt Ion:149 Resp: 1345098
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 5.2 4.4 6.6





#75
Fluoranthene
Concen: 21.753 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

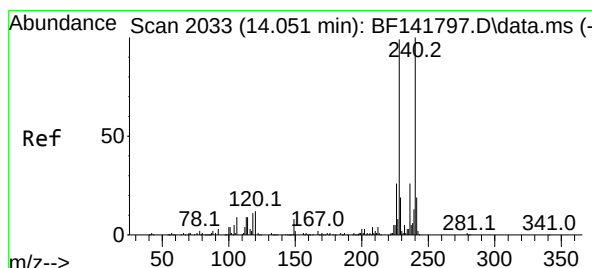
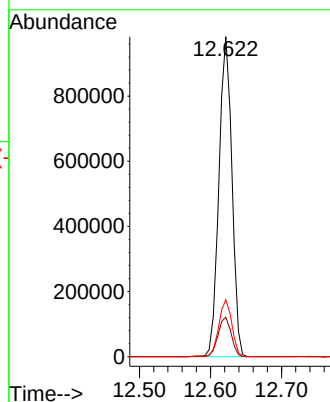
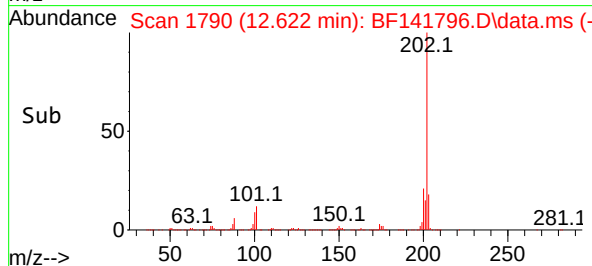
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 124203
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.8
203 17.8 0.0 38.0

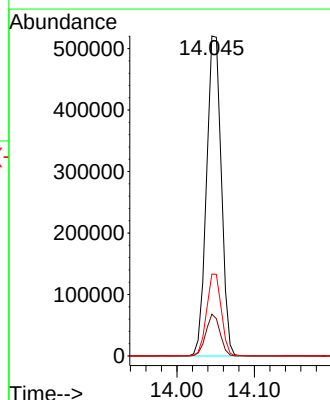
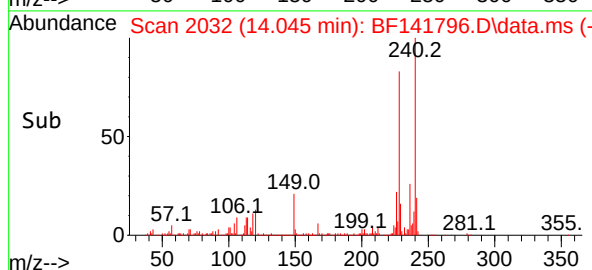
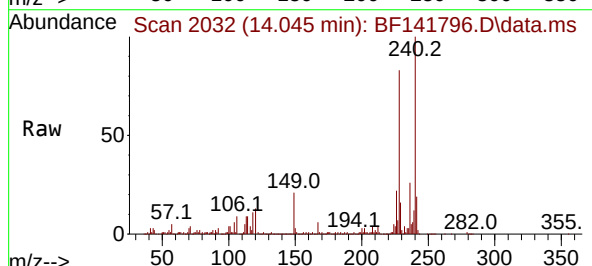
Manual Integrations
APPROVED

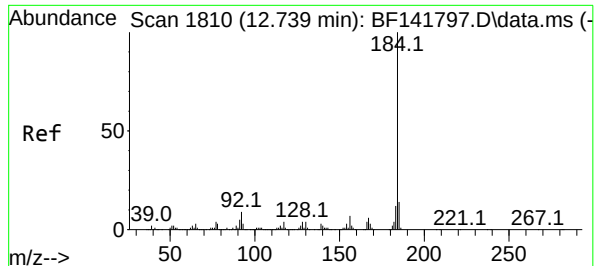
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

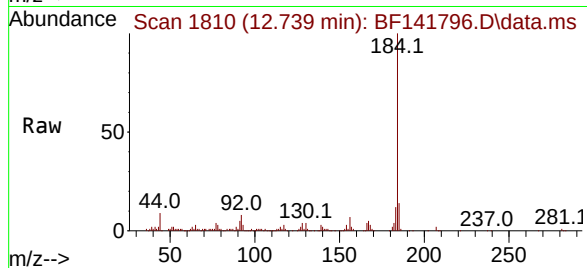
Tgt Ion:240 Resp: 688606
Ion Ratio Lower Upper
240 100
120 13.1 9.7 14.5
236 25.6 21.0 31.4





#77
Benzidine
Concen: 15.752 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

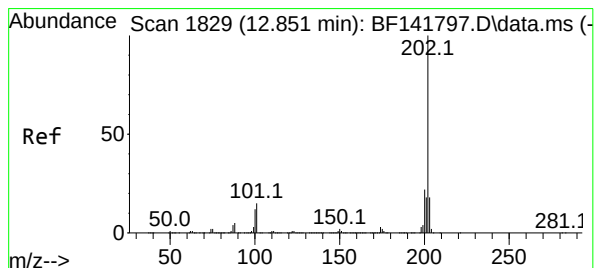
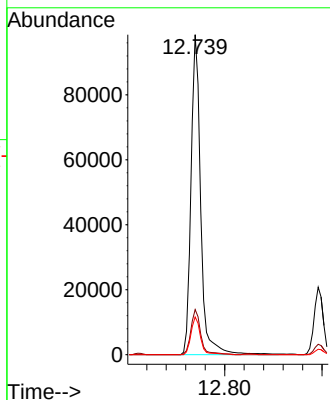
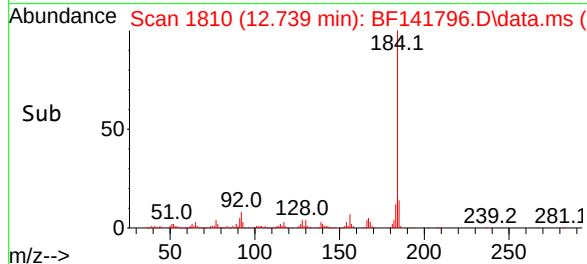
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 13652
Ion Ratio Lower Upper
184 100
185 14.1 11.6 17.4
183 11.8 9.4 14.0

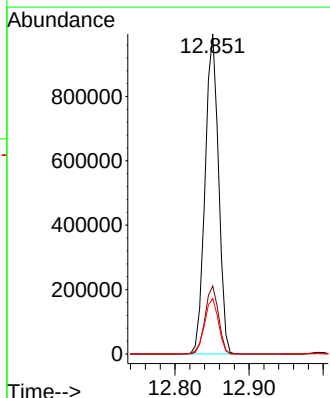
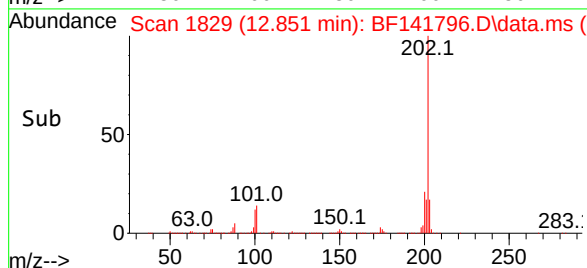
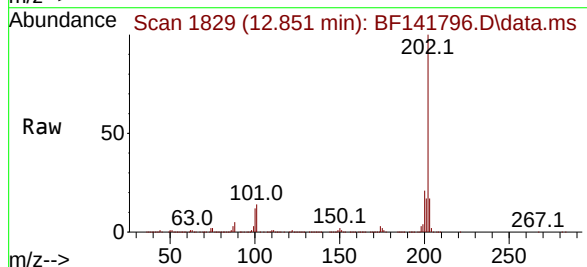
Manual Integrations
APPROVED

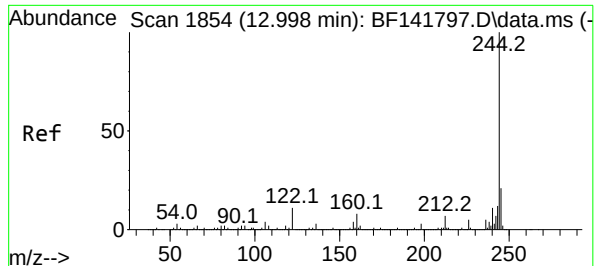
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

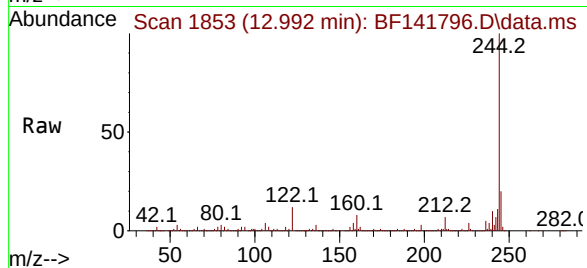
Tgt Ion:202 Resp: 1249647
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.0
203 17.4 14.6 22.0





#79
Terphenyl-d14
Concen: 41.959 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

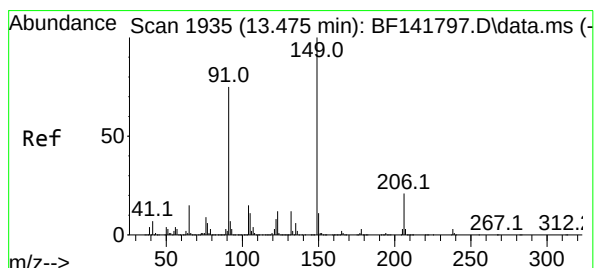
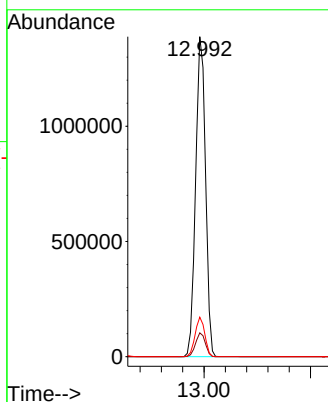
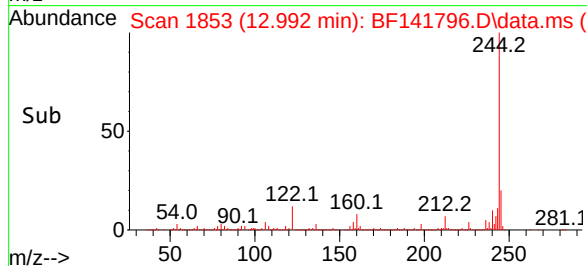
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:244 Resp: 1785800
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 12.4 9.0 13.6

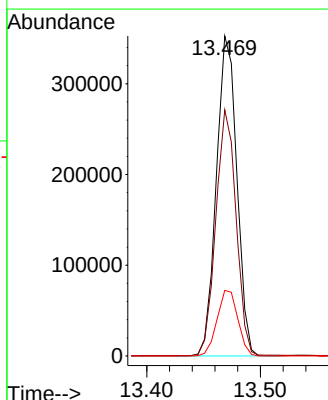
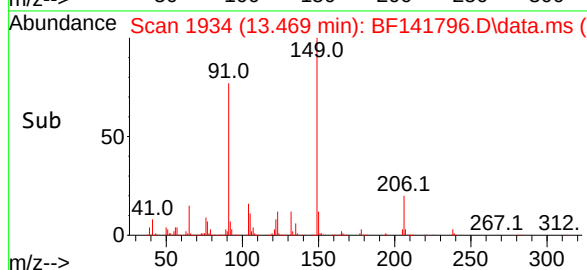
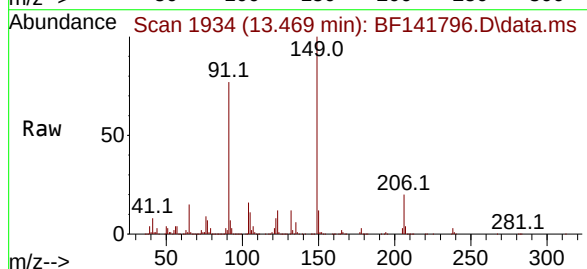
Manual Integrations
APPROVED

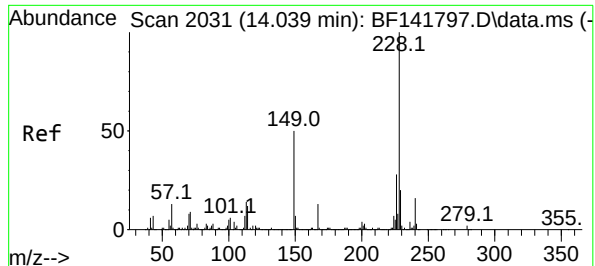
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:149 Resp: 442702
Ion Ratio Lower Upper
149 100
91 76.9 60.1 90.1
206 20.5 16.8 25.2





#81

Benzo(a)anthracene

Concen: 20.956 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 953140

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

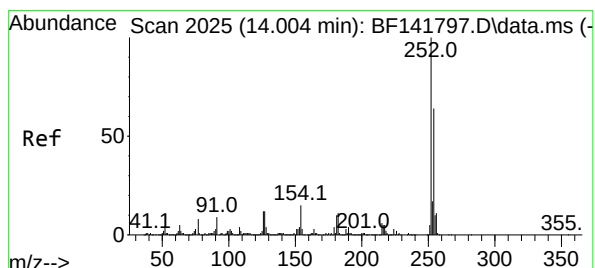
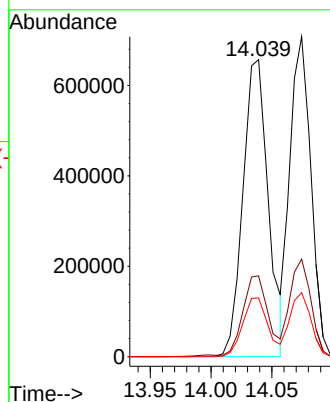
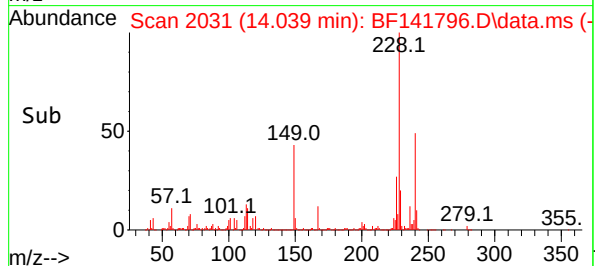
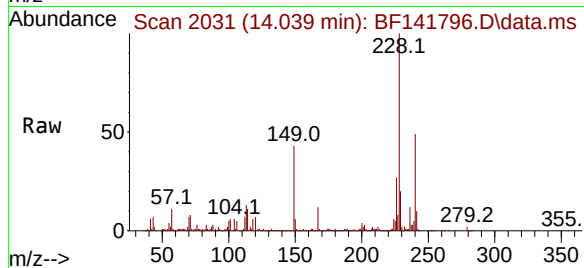
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#82

3,3'-Dichlorobenzidine

Concen: 20.132 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

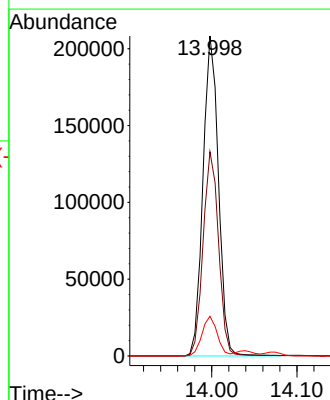
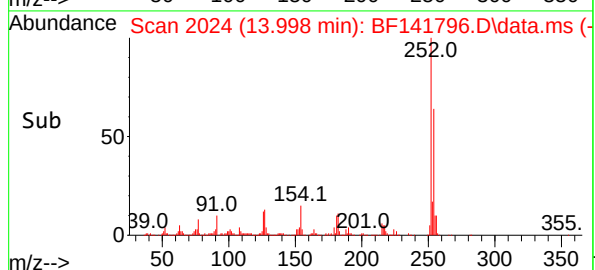
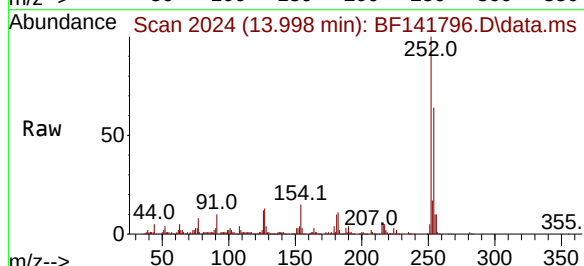
Tgt Ion:252 Resp: 262708

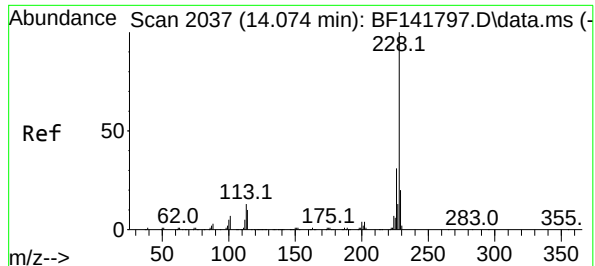
Ion Ratio Lower Upper

252 100

254 63.8 51.4 77.0

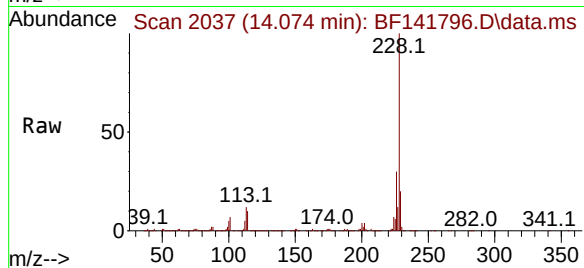
126 12.4 9.8 14.6





#83
Chrysene
Concen: 20.288 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

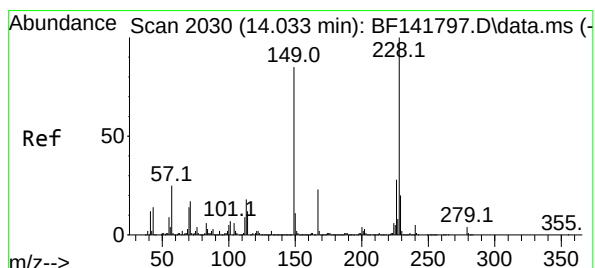
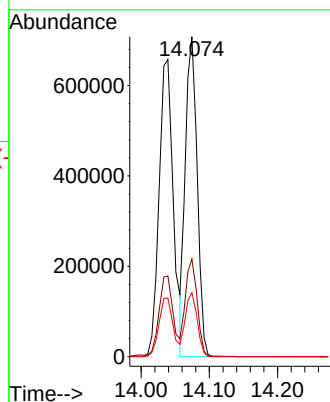
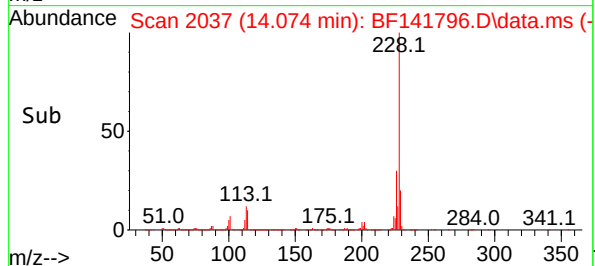
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 85064
Ion Ratio Lower Upper
228 100
226 30.5 24.6 37.0
229 20.0 16.1 24.1

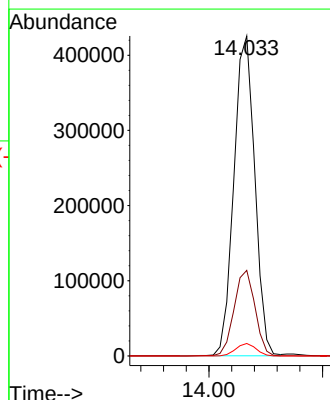
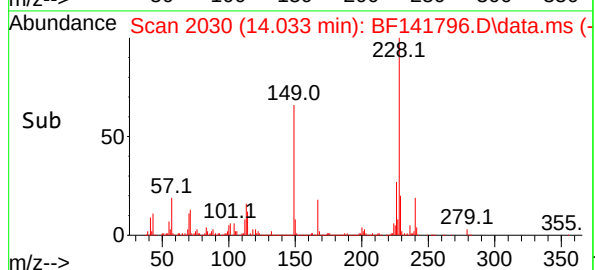
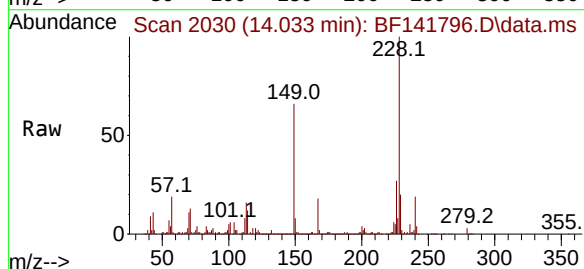
Manual Integrations
APPROVED

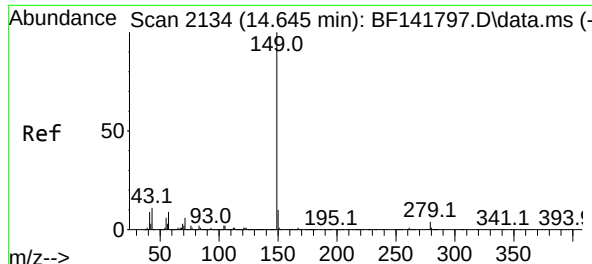
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

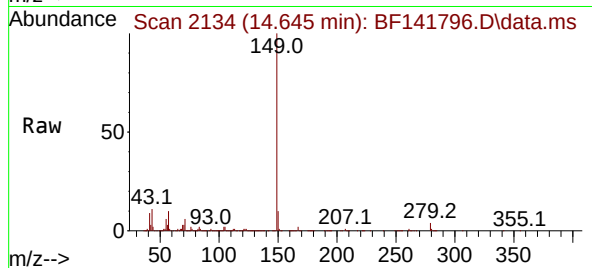
Tgt Ion:149 Resp: 542812
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 18.910 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

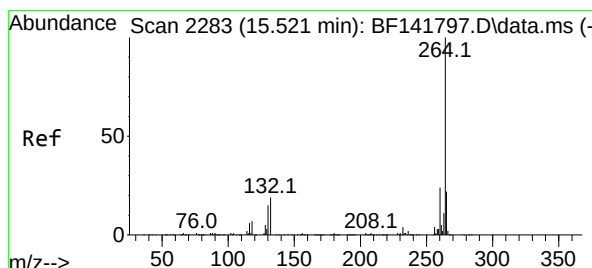
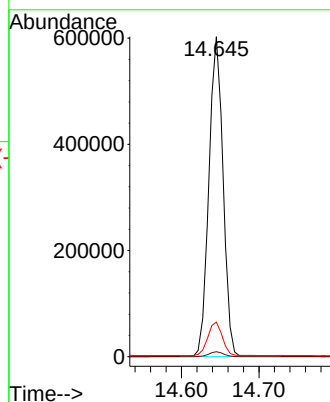
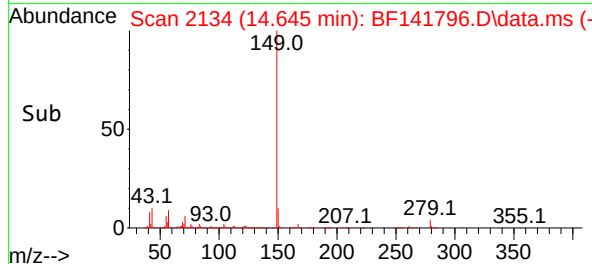
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 76368
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.7 8.6 12.8

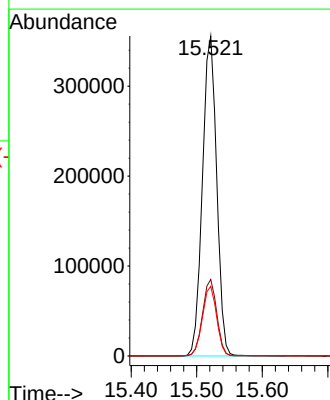
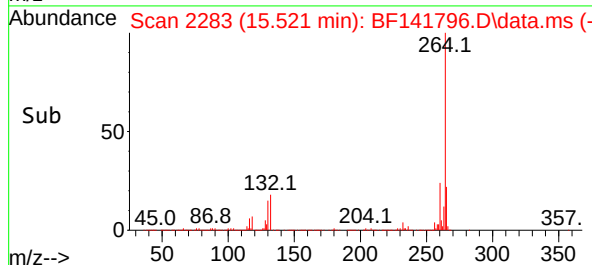
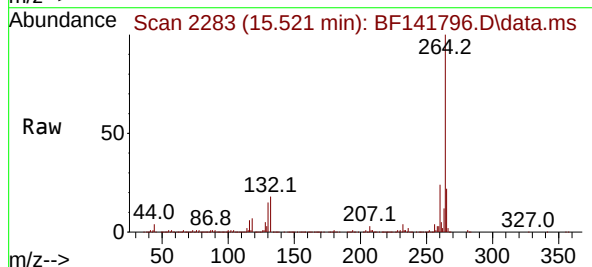
Manual Integrations
APPROVED

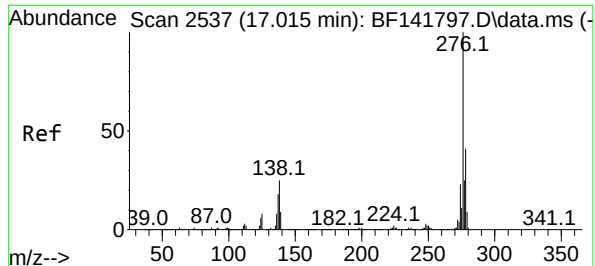
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

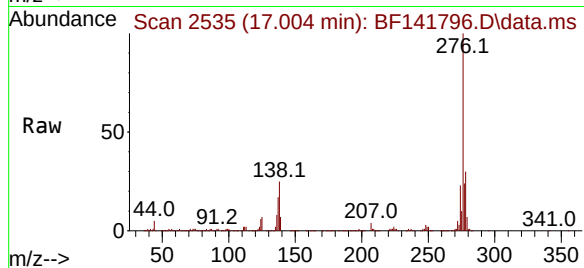
Tgt Ion:264 Resp: 539147
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 21.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.480 ng
RT: 17.004 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

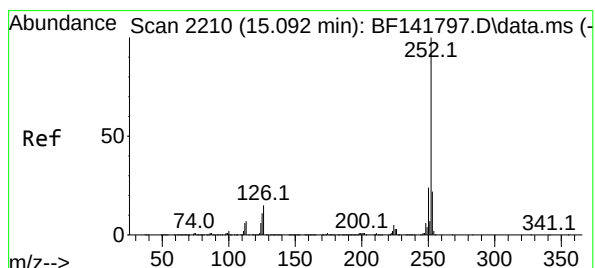
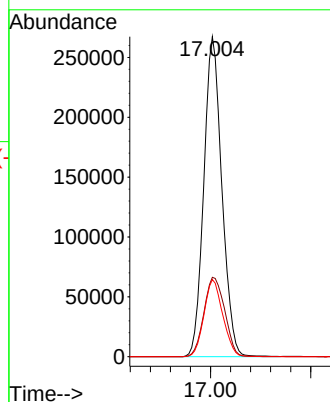
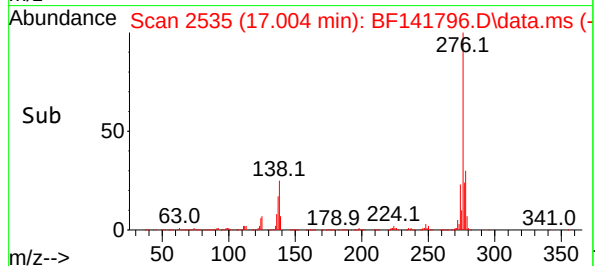
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 668777
Ion Ratio Lower Upper
276 100
138 28.5 22.5 33.7
277 25.1 20.3 30.5

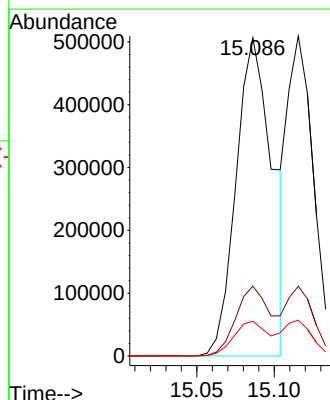
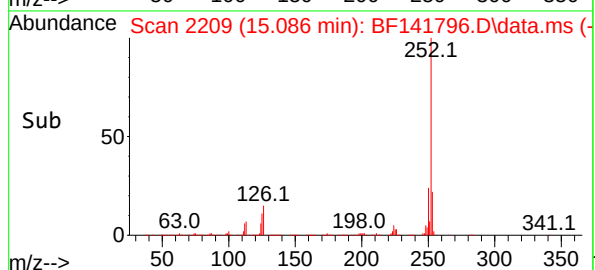
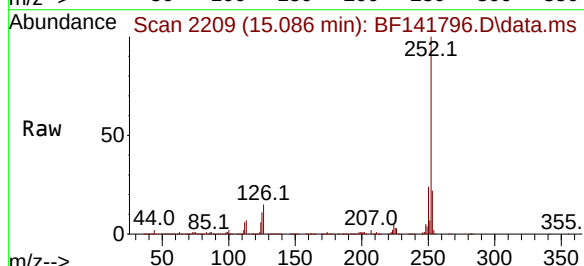
Manual Integrations
APPROVED

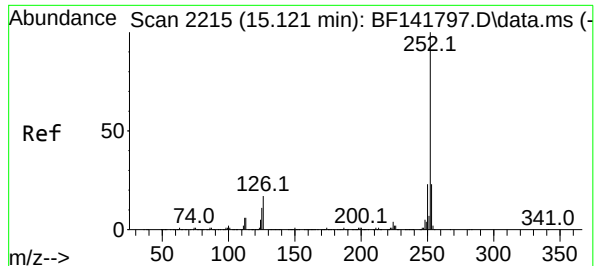
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:252 Resp: 826369
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 18.973 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 592250

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

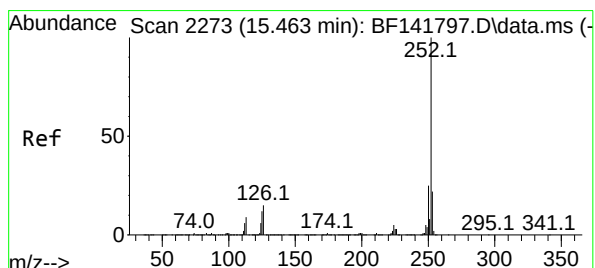
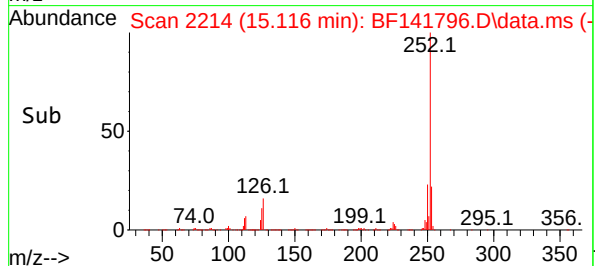
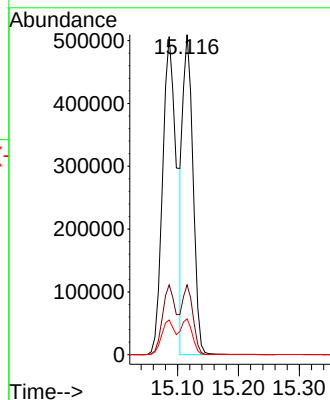
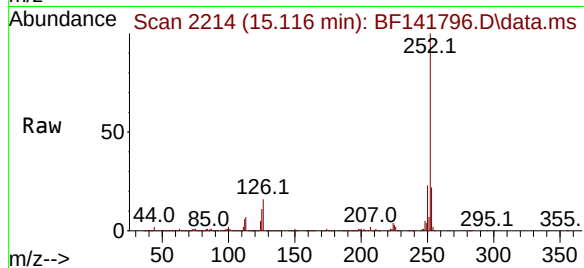
125 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 20.740 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF141796.D

Acq: 27 Feb 2025 16:46

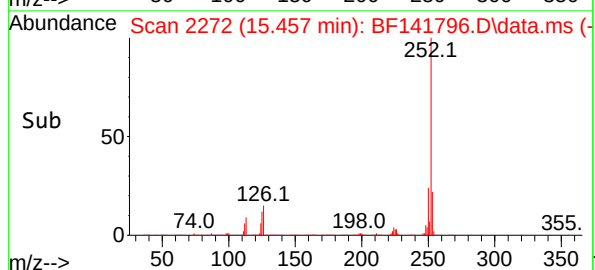
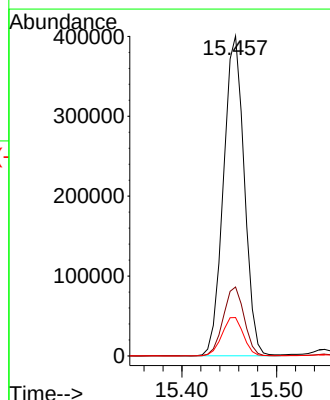
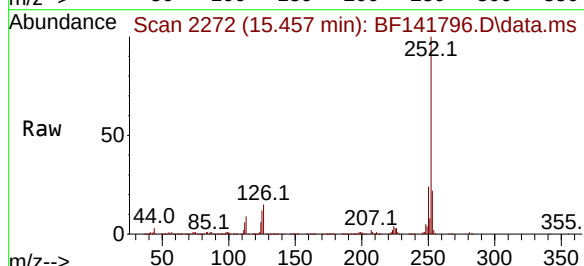
Tgt Ion:252 Resp: 610871

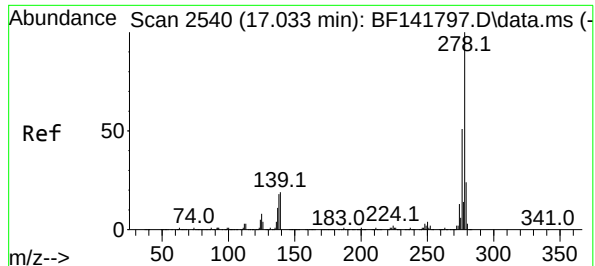
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

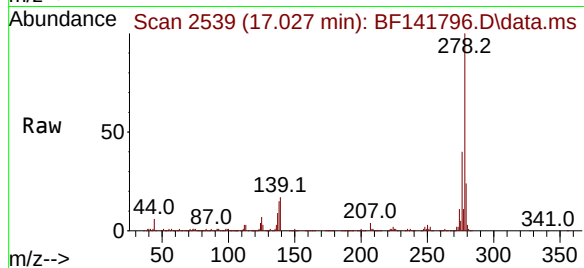
125 12.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 19.724 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

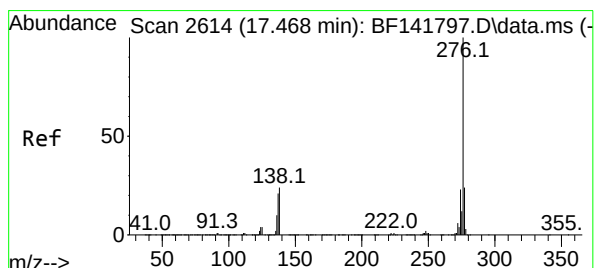
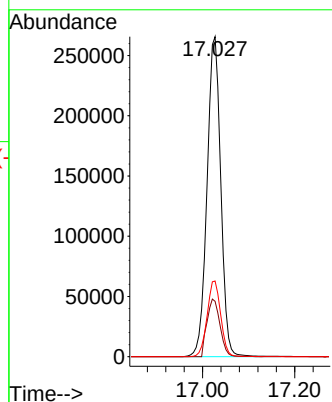
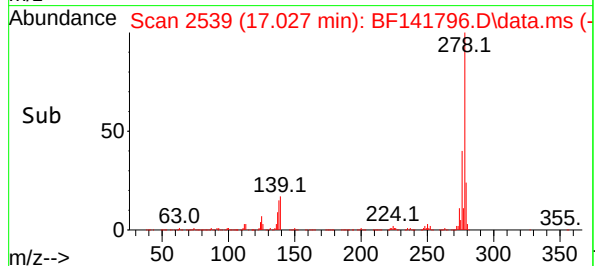
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 552725
Ion Ratio Lower Upper
278 100
139 17.3 14.9 22.3
279 23.7 19.3 28.9

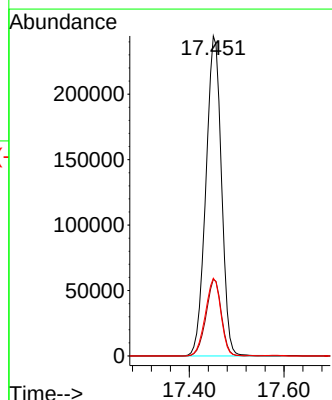
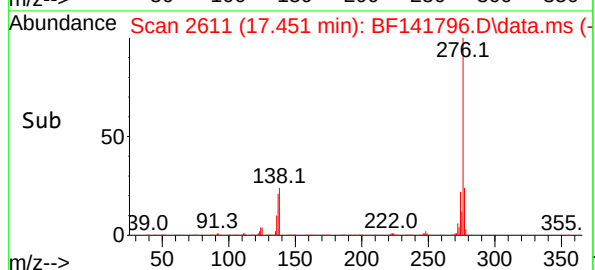
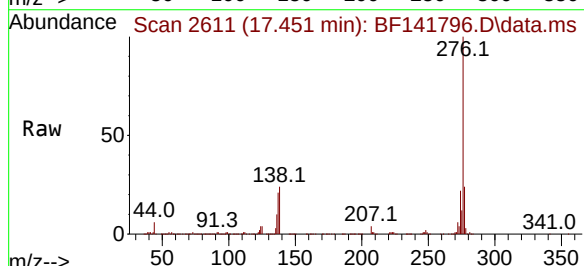
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 19.426 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 557705
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 24.3 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141797.D
 Acq On : 27 Feb 2025 17:16
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

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

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	288066	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1155717	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	625246	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1031875	20.000	ng	0.00
76) Chrysene-d12	14.051	240	629307	20.000	ng	0.00
86) Perylene-d12	15.521	264	567240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1481716	82.144	ng	0.00
7) Phenol-d6	6.510	99	1940706	82.660	ng	0.00
23) Nitrobenzene-d5	7.451	82	1577764	87.263	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	498702	84.959	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3094072	79.348	ng	0.00
79) Terphenyl-d14	12.998	244	3170442	81.511	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	343299	41.944	ng	100
3) Pyridine	3.452	79	850494	41.764	ng	100
4) n-Nitrosodimethylamine	3.405	42	420465	42.911	ng	100
6) Aniline	6.557	93	1042452	42.941	ng	100
8) 2-Chlorophenol	6.675	128	813316	41.681	ng	100
9) Benzaldehyde	6.440	77	565698	41.423	ng	100
10) Phenol	6.522	94	1048185	41.904	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	771641	40.349	ng	100
12) 1,3-Dichlorobenzene	6.834	146	866494	41.465	ng	100
13) 1,4-Dichlorobenzene	6.910	146	871351	41.384	ng	100
14) 1,2-Dichlorobenzene	7.063	146	807407	41.065	ng	100
15) Benzyl Alcohol	7.028	79	787264	41.957	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1197610	41.236	ng	100
17) 2-Methylphenol	7.134	107	670597	41.635	ng	100
18) Hexachloroethane	7.404	117	332747	42.223	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	626390	40.586	ng	100
20) 3+4-Methylphenols	7.287	107	830533	41.411	ng	100
22) Acetophenone	7.298	105	1147737	40.776	ng	100
24) Nitrobenzene	7.475	77	839887	43.379	ng	100
25) Isophorone	7.710	82	1575854	40.569	ng	100
26) 2-Nitrophenol	7.787	139	332584	39.357	ng	100
27) 2,4-Dimethylphenol	7.816	122	588158	41.191	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1006606	40.624	ng	100
29) 2,4-Dichlorophenol	8.022	162	688860	41.819	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	737573	40.863	ng	100
31) Naphthalene	8.193	128	2410915	40.588	ng	100
32) Benzoic acid	7.934	122	442477	38.870	ng	100
33) 4-Chloroaniline	8.240	127	877082	40.271	ng	100
34) Hexachlorobutadiene	8.310	225	459338	40.952	ng	100
35) Caprolactam	8.610	113	211331m	41.695	ng	
36) 4-Chloro-3-methylphenol	8.710	107	752961	41.148	ng	100
37) 2-Methylnaphthalene	8.881	142	1565422	40.179	ng	100
38) 1-Methylnaphthalene	8.981	142	1506039	40.286	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	736508	40.786	ng	100
41) Hexachlorocyclopentadiene	9.040	237	323162	42.882	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	497182	42.623	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141797.D
 Acq On : 27 Feb 2025 17:16
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	478749	41.448	ng	100
46) 1,1'-Biphenyl	9.351	154	1899694	39.917	ng	100
47) 2-Chloronaphthalene	9.375	162	1419149	40.402	ng	100
48) 2-Nitroaniline	9.463	65	375120	39.827	ng	100
49) Acenaphthylene	9.792	152	2139722	40.629	ng	100
50) Dimethylphthalate	9.651	163	1704601	40.710	ng	100
51) 2,6-Dinitrotoluene	9.710	165	321129	40.557	ng	100
52) Acenaphthene	9.963	154	1437821	40.461	ng	100
53) 3-Nitroaniline	9.875	138	346294	41.045	ng	100
54) 2,4-Dinitrophenol	9.975	184	115933	39.874	ng	100
55) Dibenzofuran	10.134	168	2079139	40.198	ng	100
56) 4-Nitrophenol	10.022	139	285537	46.172	ng	100
57) 2,4-Dinitrotoluene	10.110	165	391858	40.635	ng	100
58) Fluorene	10.475	166	1536139	39.650	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	424277	42.235	ng	100
60) Diethylphthalate	10.351	149	1729522	41.203	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	775274	39.939	ng	100
62) 4-Nitroaniline	10.492	138	333830	46.685	ng	100
63) Azobenzene	10.628	77	1796906	40.657	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	179018	38.731	ng	100
66) n-Nitrosodiphenylamine	10.586	169	1371761	40.485	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	490816	40.722	ng	100
68) Hexachlorobenzene	11.022	284	518266	40.721	ng	100
69) Atrazine	11.110	200	369439	39.649	ng	100
70) Pentachlorophenol	11.210	266	347791	43.086	ng	100
71) Phenanthrene	11.439	178	2214957	40.130	ng	100
72) Anthracene	11.486	178	2204147	39.845	ng	100
73) Carbazole	11.639	167	1971491	40.358	ng	100
74) Di-n-butylphthalate	11.975	149	2493783	40.274	ng	100
75) Fluoranthene	12.622	202	2248284	39.753	ng	100
77) Benzidine	12.739	184	326609	41.235	ng	100
78) Pyrene	12.851	202	2259888	41.470	ng	100
80) Butylbenzylphthalate	13.475	149	840509	42.452	ng	100
81) Benzo(a)anthracene	14.039	228	1651930	39.742	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	494528	41.467	ng	100
83) Chrysene	14.074	228	1591812	41.543	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	1046693	42.458	ng	100
85) Di-n-octyl phthalate	14.645	149	1644901	44.568	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	1526575	42.264	ng	100
88) Benzo(b)fluoranthene	15.092	252	1481931	38.353	ng	100
89) Benzo(k)fluoranthene	15.121	252	1377470	41.943	ng	100
90) Benzo(a)pyrene	15.463	252	1269914	40.981	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	1257866	42.664	ng	100
92) Benzo(g,h,i)perylene	17.468	276	1281590	42.430	ng	100

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

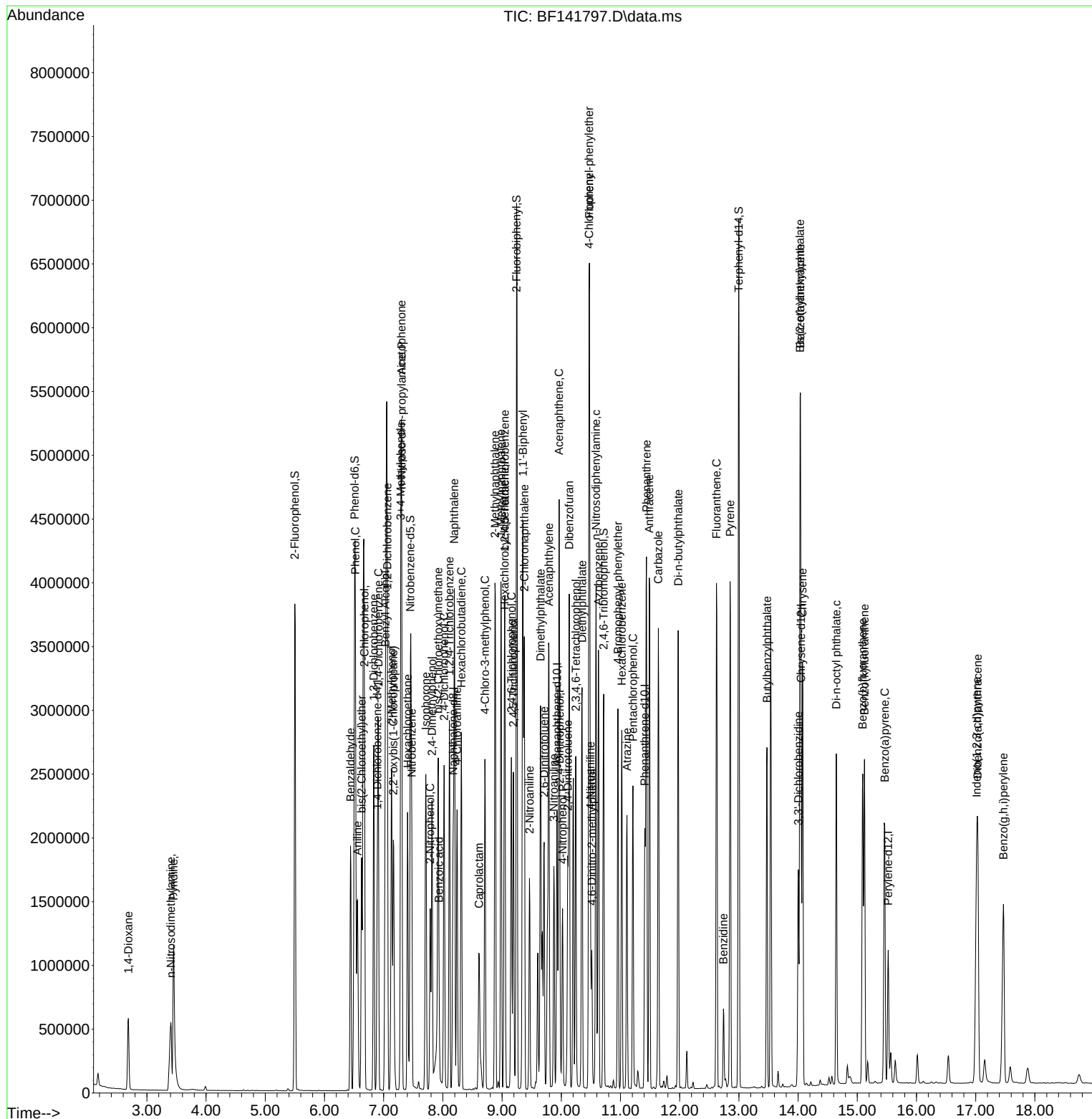
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Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

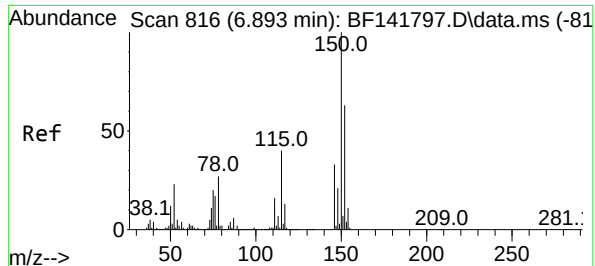
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

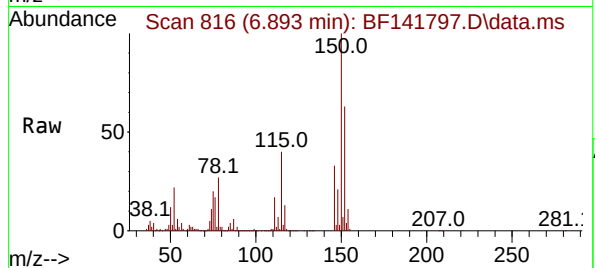
Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

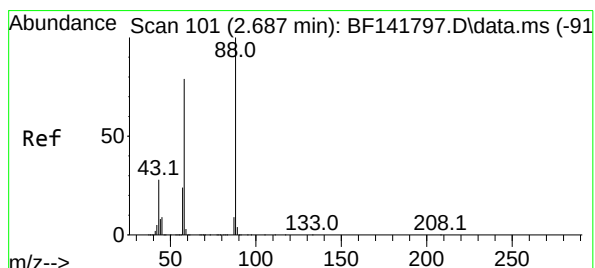
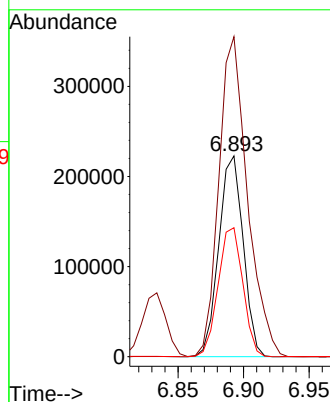
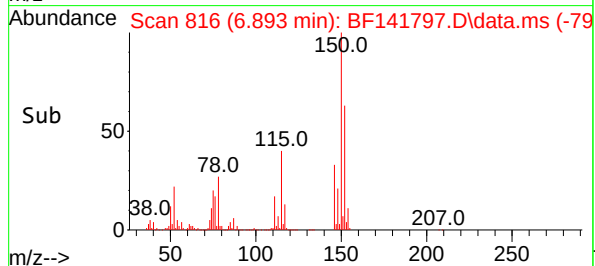
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 288060
Ion Ratio Lower Upper
152 100
150 159.4 127.5 191.3
115 64.3 51.4 77.2

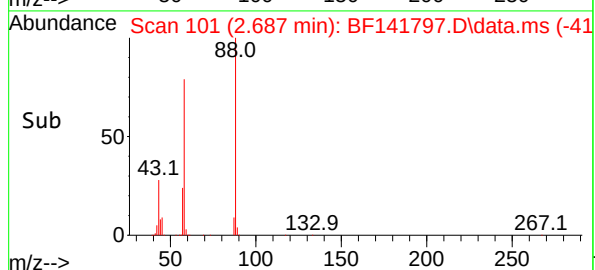
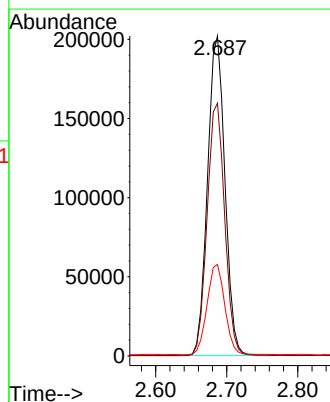
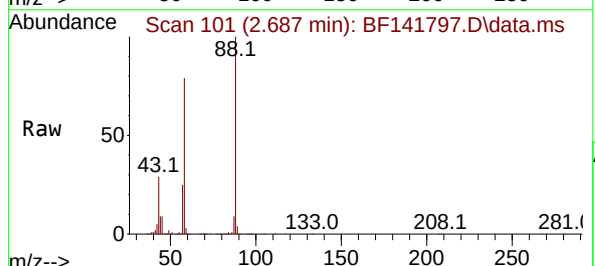
Manual Integrations
APPROVED

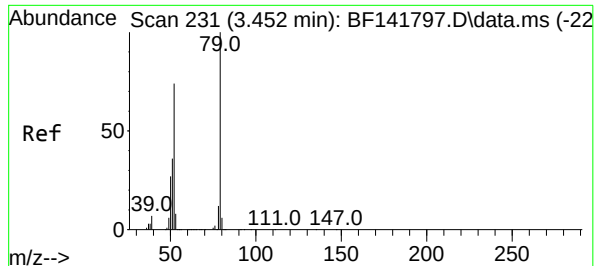
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

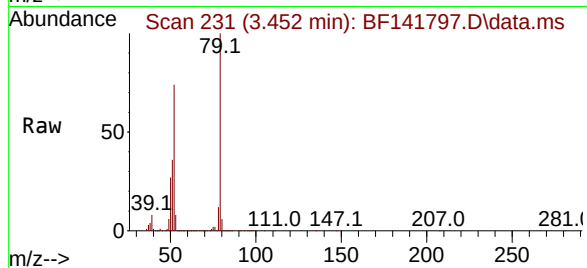
Tgt Ion: 88 Resp: 343299
Ion Ratio Lower Upper
88 100
58 79.9 63.9 95.9
43 28.8 23.0 34.6





#3
Pyridine
Concen: 41.764 ng
RT: 3.452 min Scan# 231
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

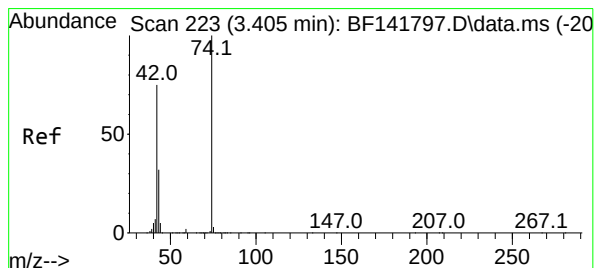
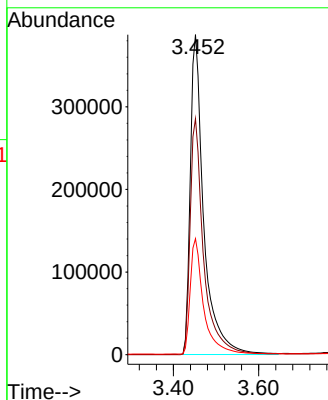
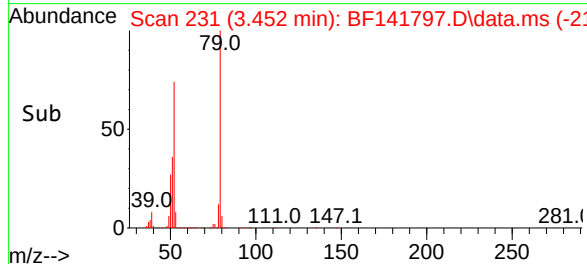
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



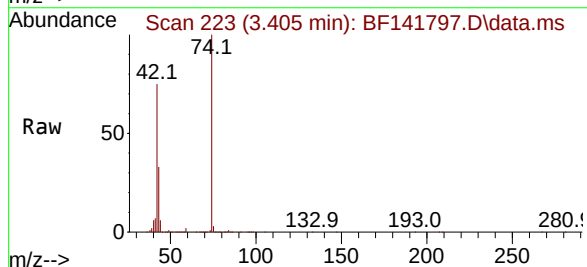
Tgt Ion: 79 Resp: 850494
Ion Ratio Lower Upper
79 100
52 73.7 59.0 88.4
51 36.2 29.0 43.4

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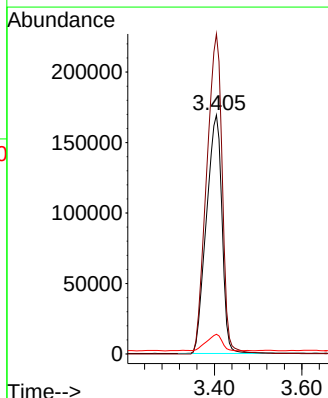
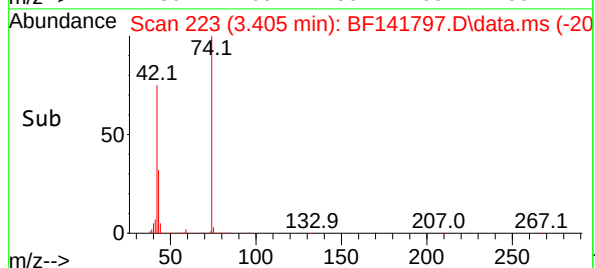
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

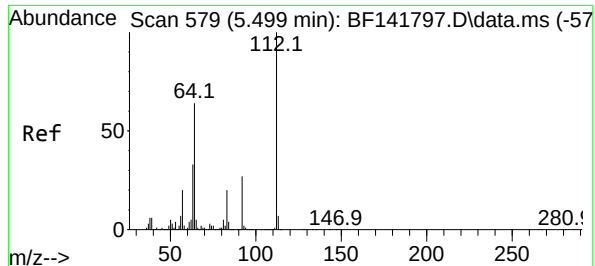


#4
n-Nitrosodimethylamine
Concen: 42.911 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16



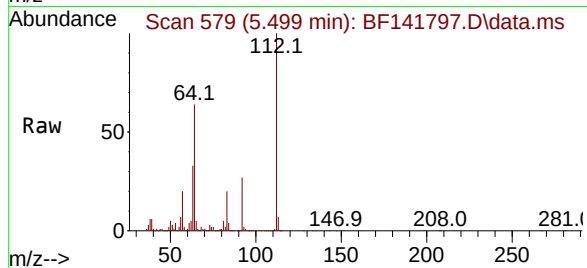
Tgt Ion: 42 Resp: 420465
Ion Ratio Lower Upper
42 100
74 133.9 107.1 160.7
44 8.2 6.6 9.8





#5
2-Fluorophenol
Concen: 82.144 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

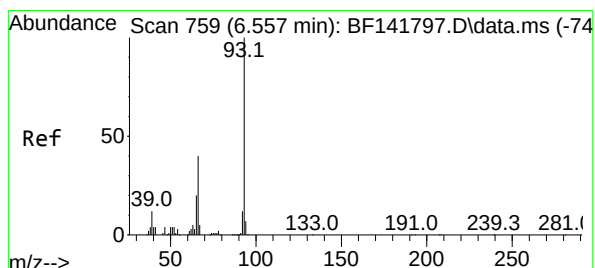
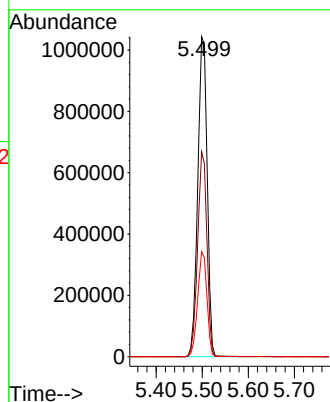
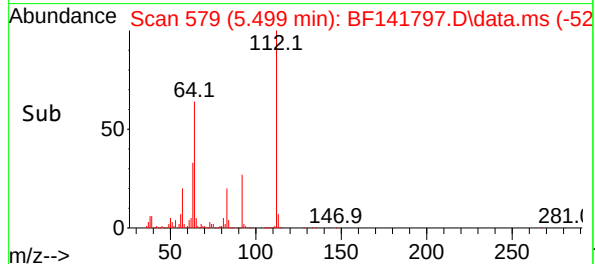
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 112 Resp: 1481710
Ion Ratio Lower Upper
112 100
64 64.1 51.3 76.9
63 32.8 26.2 39.4

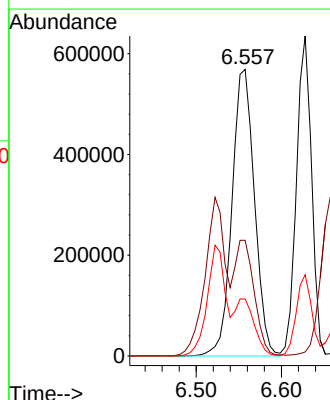
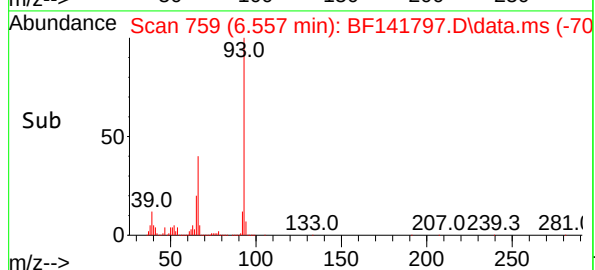
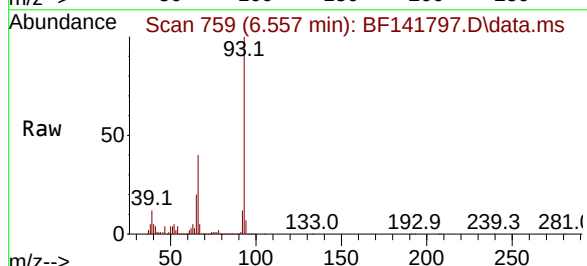
Manual Integrations
APPROVED

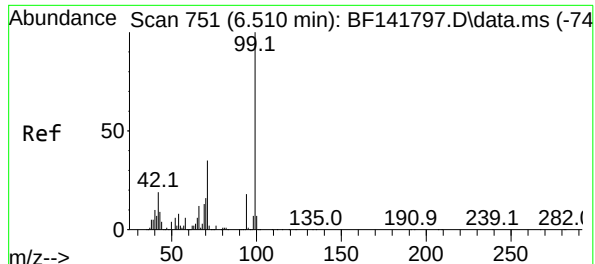
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

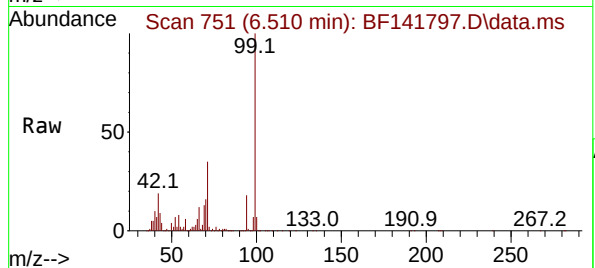
Tgt Ion: 93 Resp: 1042452
Ion Ratio Lower Upper
93 100
66 40.4 32.3 48.5
65 19.9 15.9 23.9





#7
Phenol-d6
Concen: 82.660 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

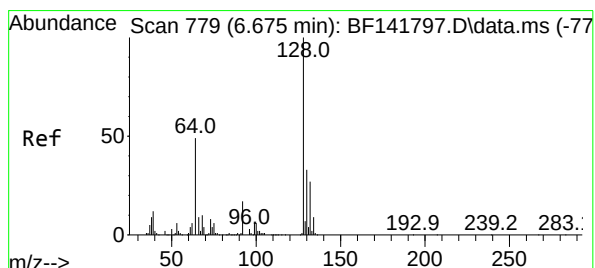
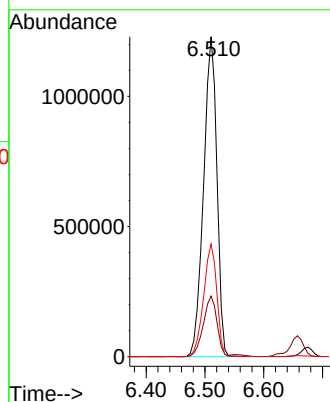
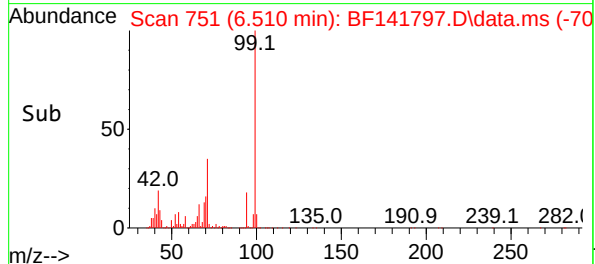
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ClientSampleId :
SSTDICCC040



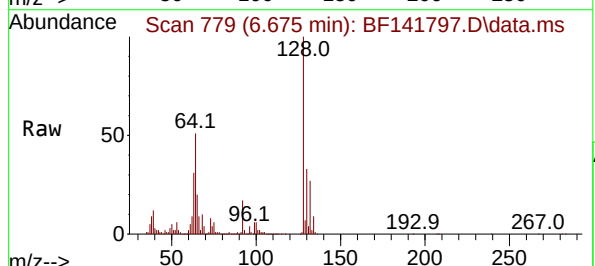
Tgt Ion: 99 Resp: 1940700
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 35.2 28.2 42.2

Manual Integrations
APPROVED

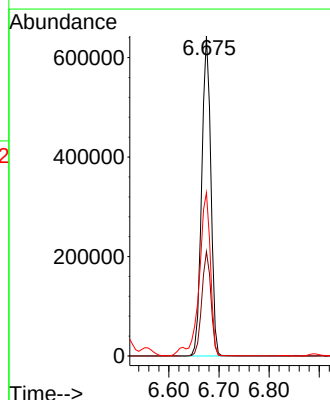
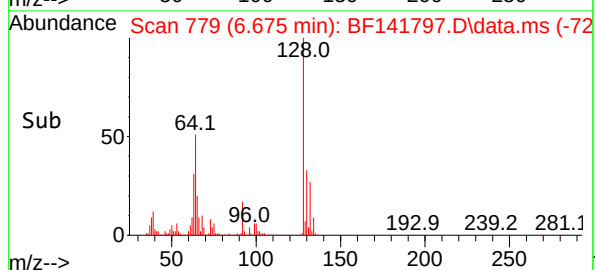
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

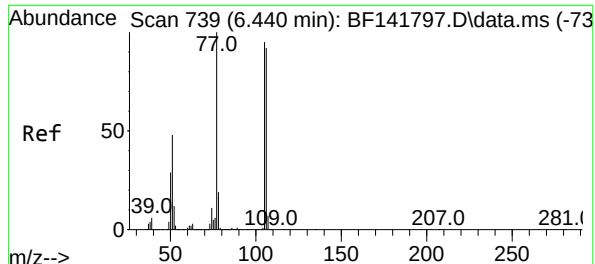


#8
2-Chlorophenol
Concen: 41.681 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16



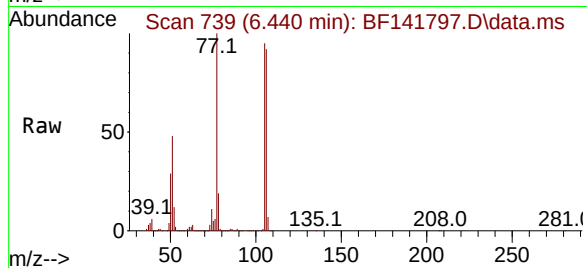
Tgt Ion:128 Resp: 813316
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 51.1 31.1 71.1





#9
Benzaldehyde
Concen: 41.423 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

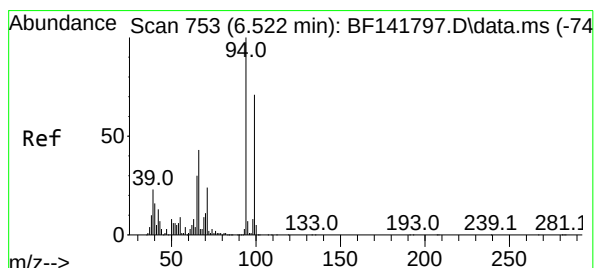
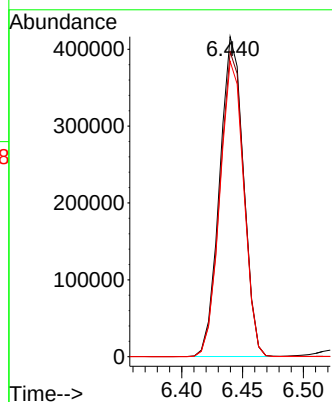
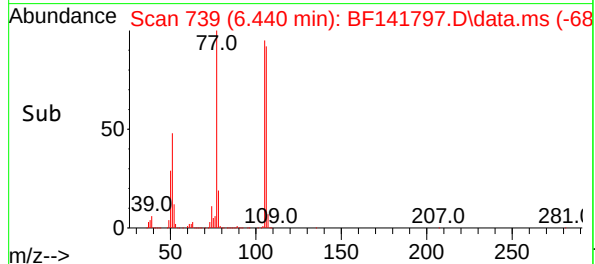
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 565698
Ion Ratio Lower Upper
77 100
105 95.3 75.3 115.3
106 92.3 72.3 112.3

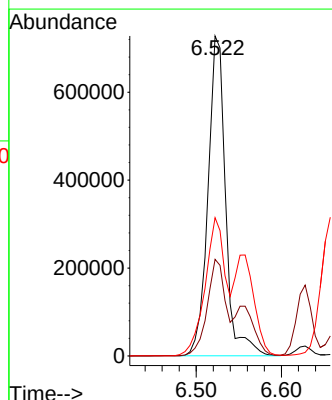
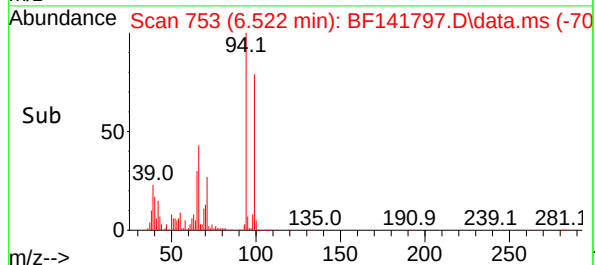
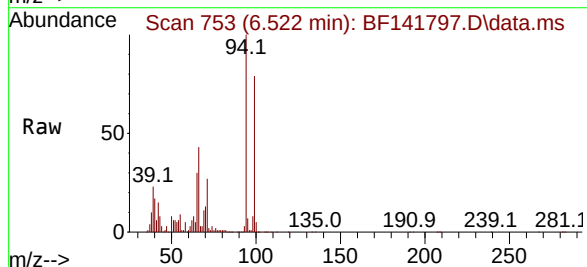
Manual Integrations
APPROVED

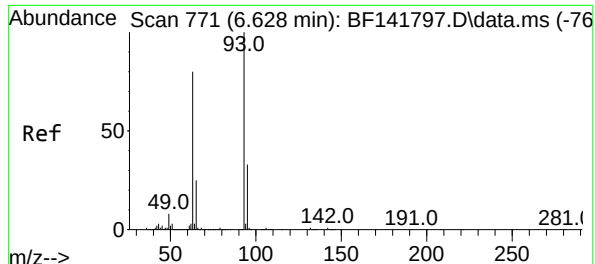
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

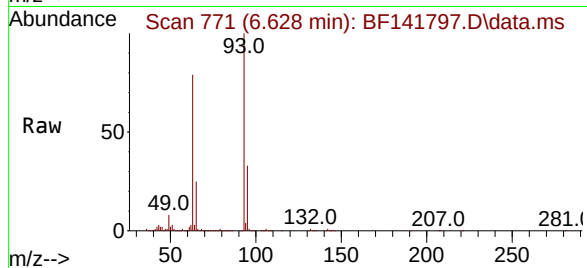
Tgt Ion: 94 Resp: 1048185
Ion Ratio Lower Upper
94 100
65 30.2 10.2 50.2
66 43.2 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 40.349 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

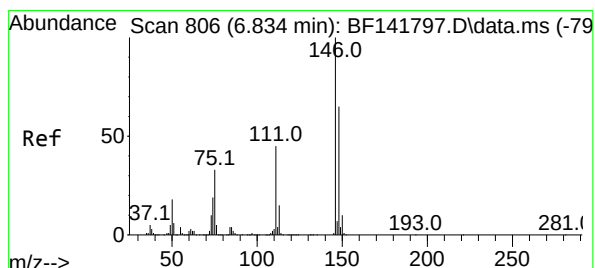
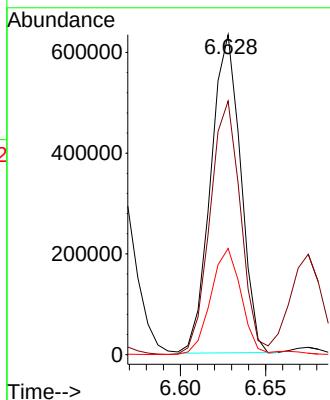
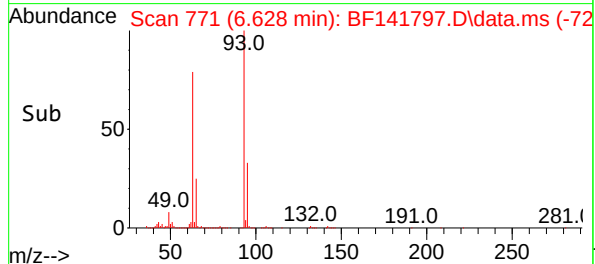
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



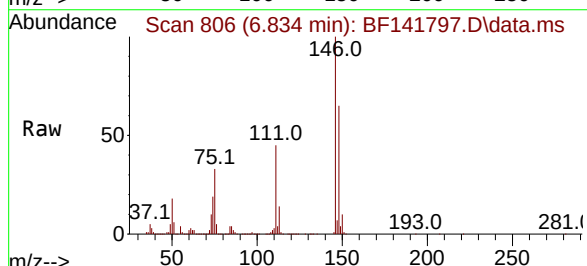
Tgt Ion: 93 Resp: 77164
Ion Ratio Lower Upper
93 100
63 79.3 59.3 99.3
95 33.2 13.2 53.2

Manual Integrations
APPROVED

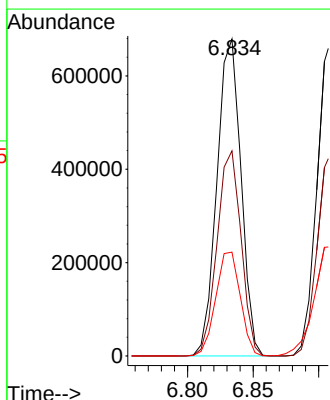
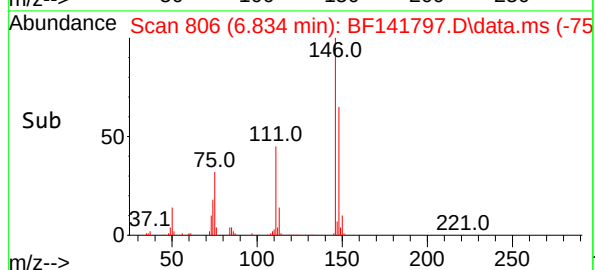
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

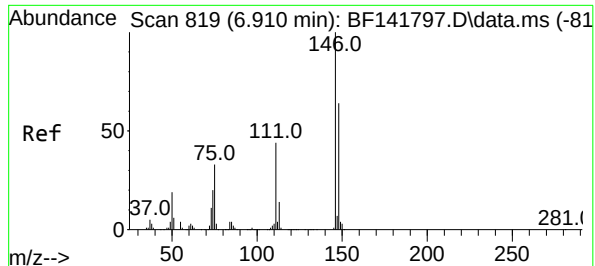


#12
1,3-Dichlorobenzene
Concen: 41.465 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16



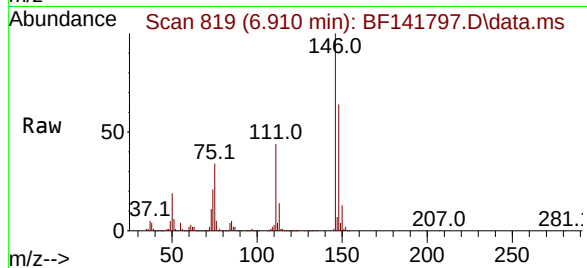
Tgt Ion:146 Resp: 866494
Ion Ratio Lower Upper
146 100
148 64.7 51.8 77.6
75 32.8 26.2 39.4





#13
1,4-Dichlorobenzene
Concen: 41.384 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

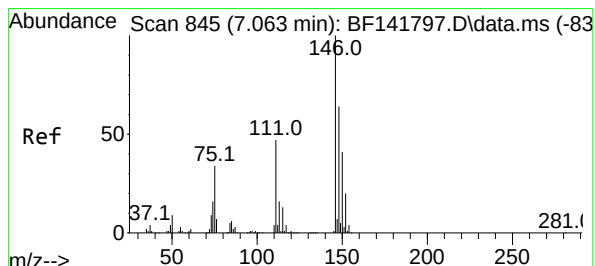
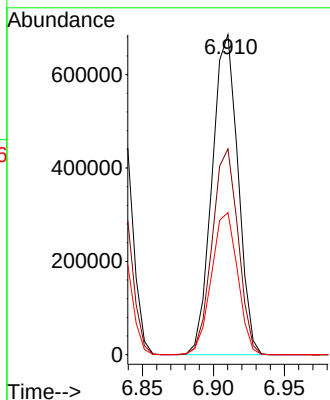
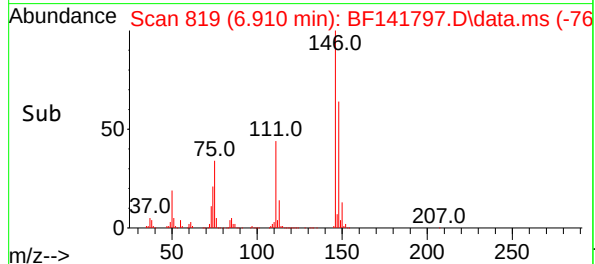
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:146 Resp: 87135
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.2
111 44.4 35.5 53.3

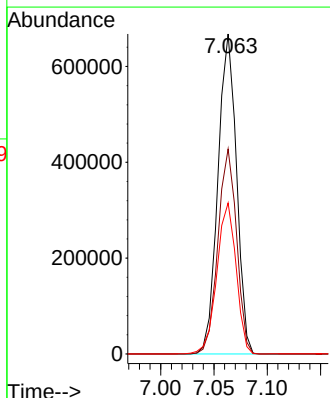
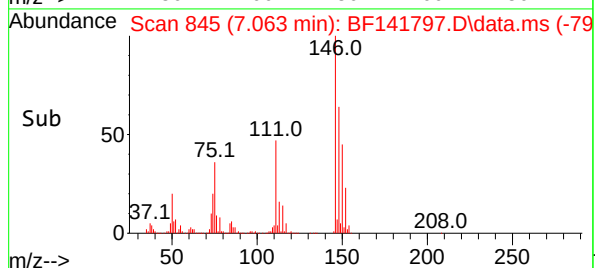
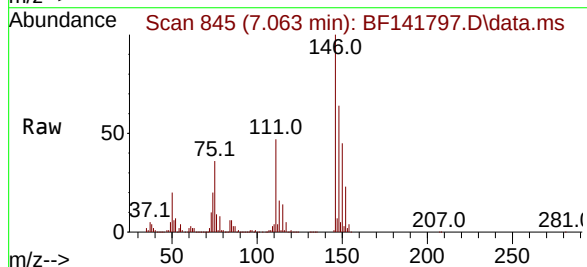
Manual Integrations
APPROVED

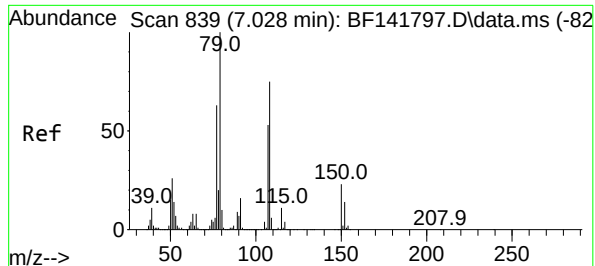
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

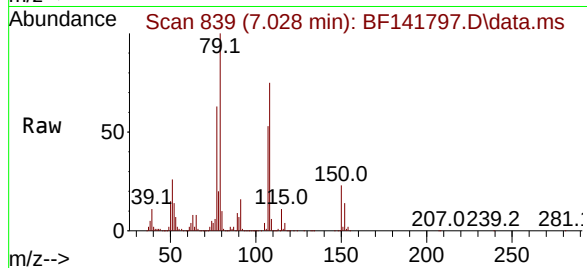
Tgt Ion:146 Resp: 807407
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
111 47.2 37.8 56.6





#15
Benzyl Alcohol
Concen: 41.957 ng
RT: 7.028 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

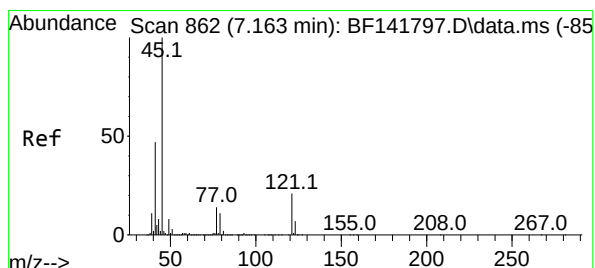
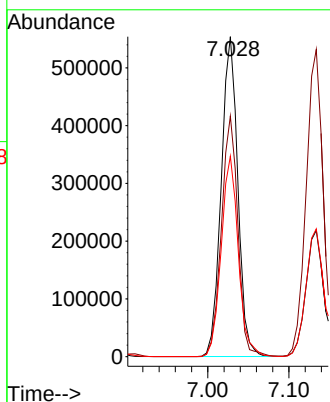
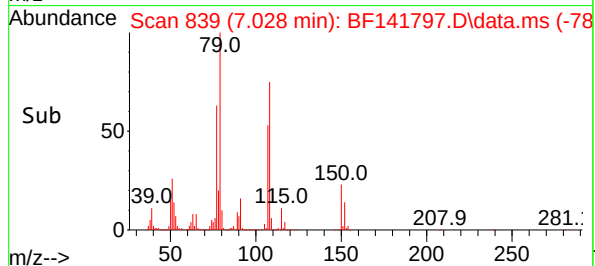
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 787264
Ion Ratio Lower Upper
79 100
108 75.2 60.2 90.2
77 62.7 50.2 75.2

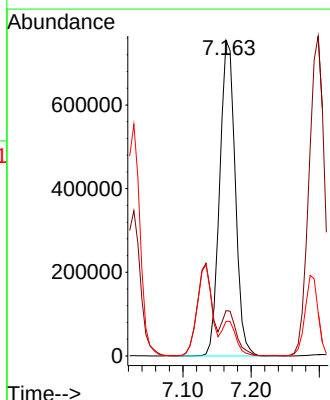
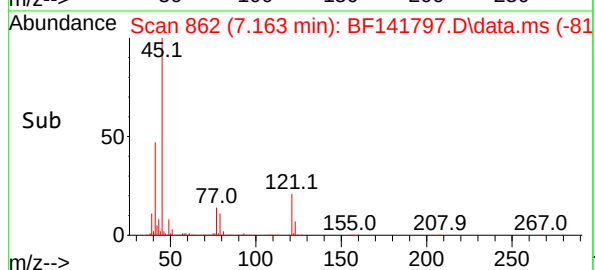
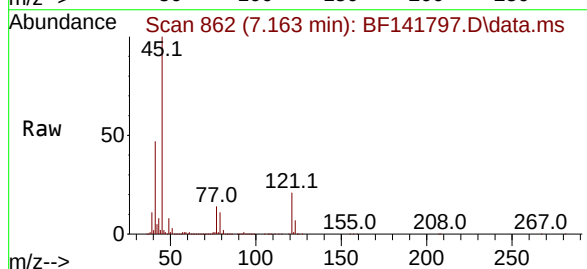
Manual Integrations
APPROVED

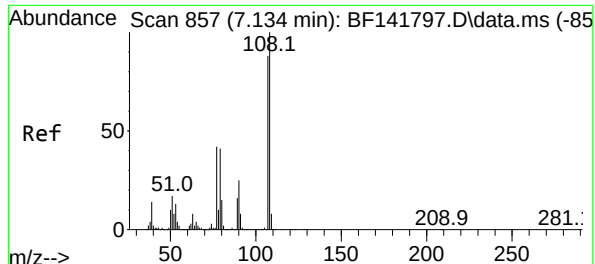
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

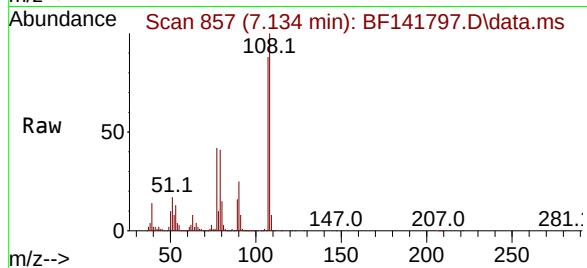
Tgt Ion: 45 Resp: 1197610
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.4
79 10.9 0.0 30.9





#17
2-Methylphenol
Concen: 41.635 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

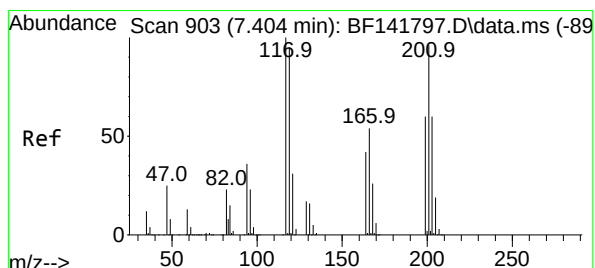
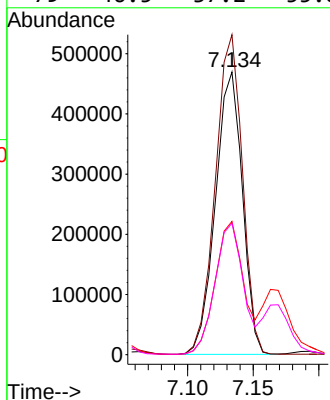
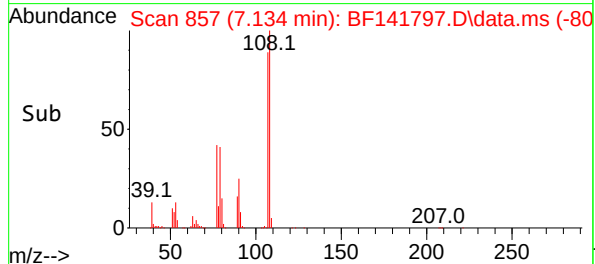
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 670597
Ion Ratio Lower Upper
107 100
108 113.2 90.6 135.8
77 47.1 37.7 56.5
79 46.5 37.2 55.8

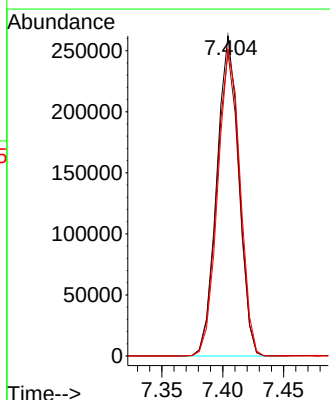
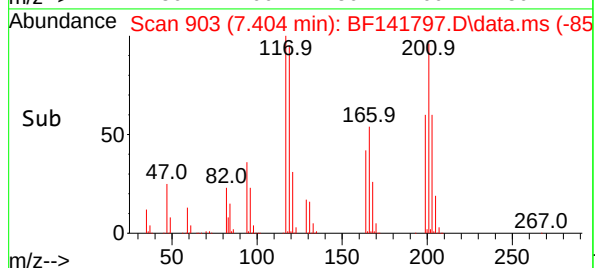
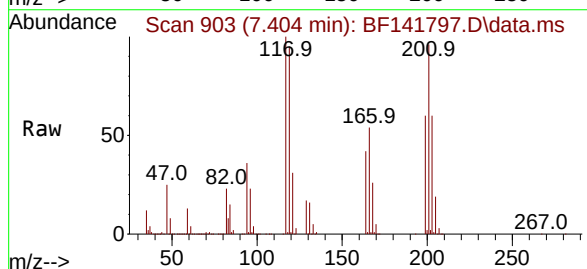
Manual Integrations
APPROVED

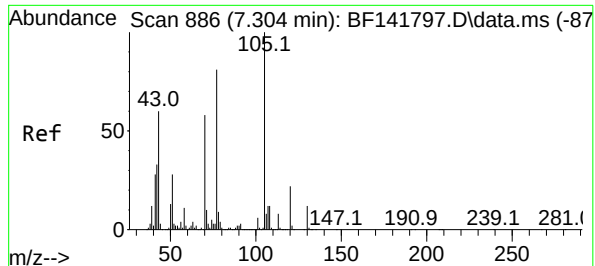
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:117 Resp: 332747
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8
201 95.9 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.586 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 626390

Ion Ratio Lower Upper

70 100

42 56.7 45.4 68.0

101 9.8 7.8 11.8

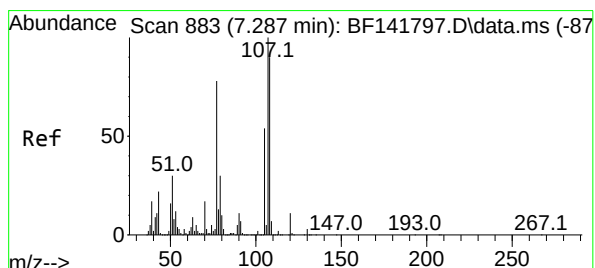
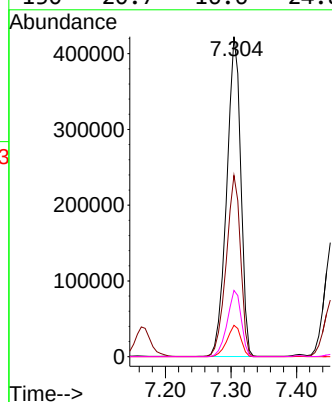
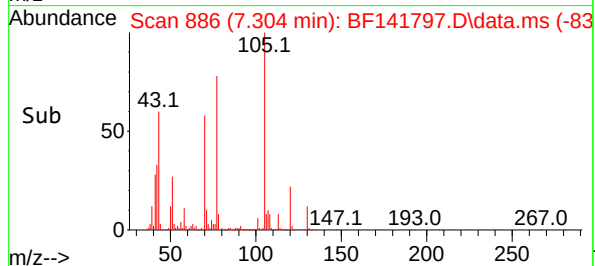
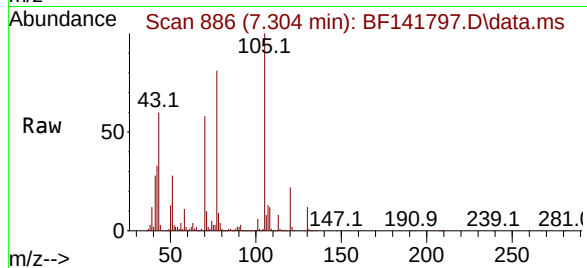
130 20.7 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 41.411 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 830533

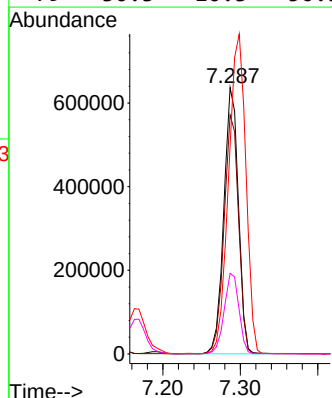
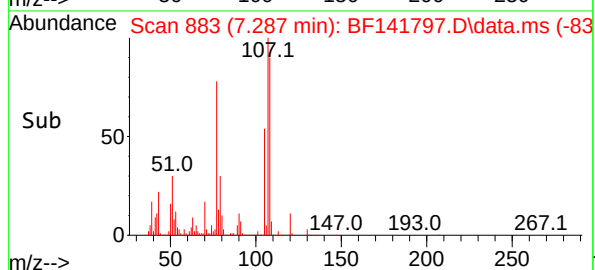
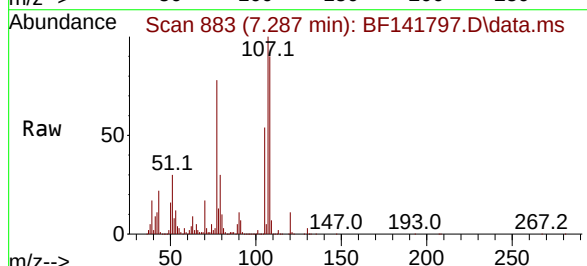
Ion Ratio Lower Upper

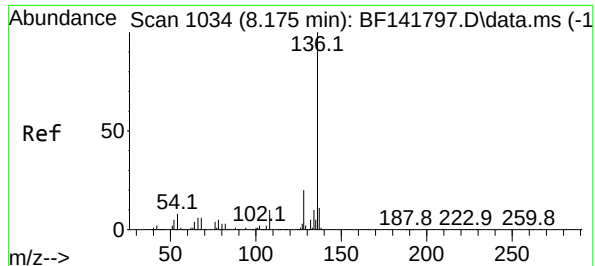
107 100

108 89.7 69.7 109.7

77 78.3 58.3 98.3

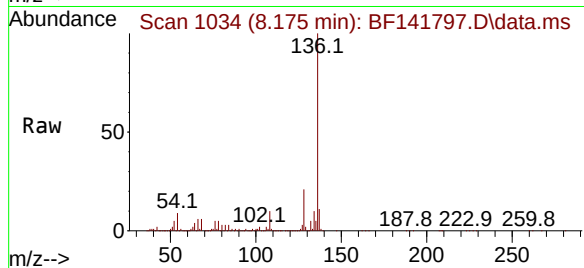
79 30.3 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

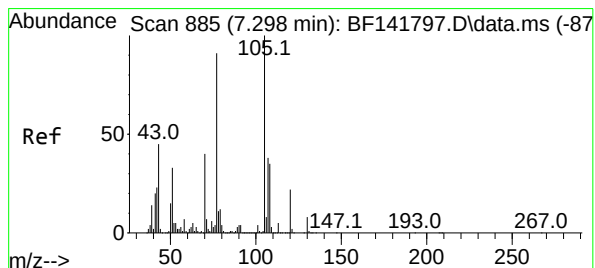
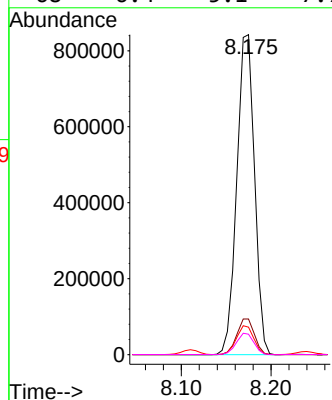
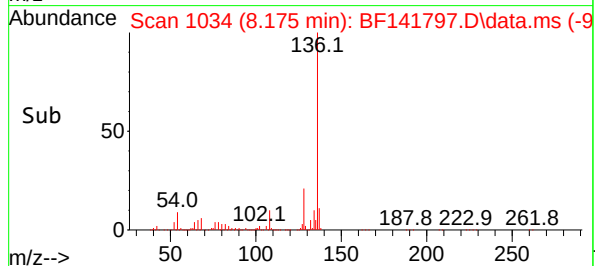
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 115571
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.6 6.9 10.3
68 6.4 5.1 7.7

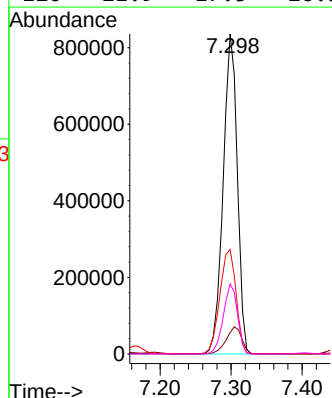
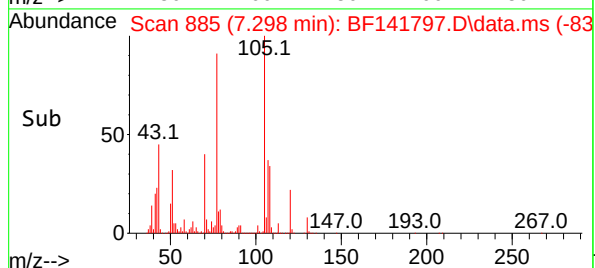
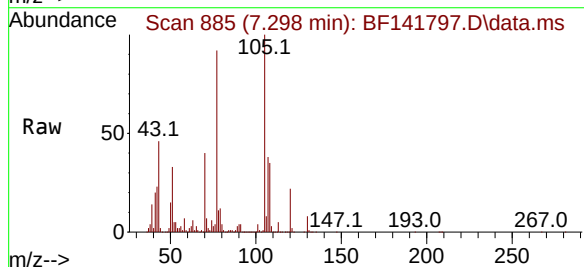
Manual Integrations
APPROVED

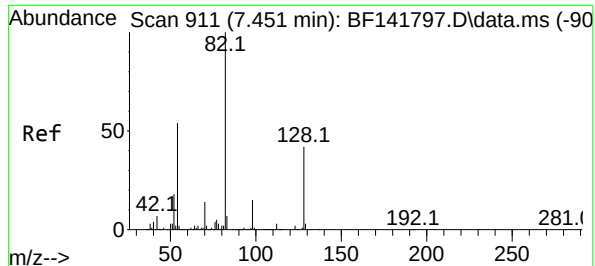
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

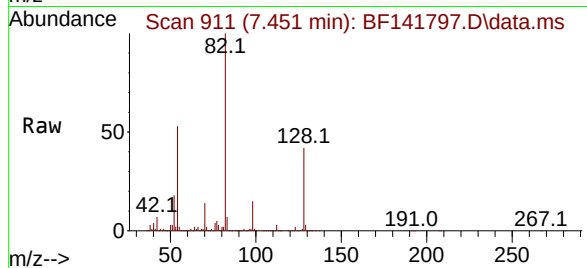
Tgt Ion:105 Resp: 1147737
Ion Ratio Lower Upper
105 100
71 6.7 5.4 8.0
51 32.6 26.1 39.1
120 21.9 17.5 26.3





#23
Nitrobenzene-d5
Concen: 87.263 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

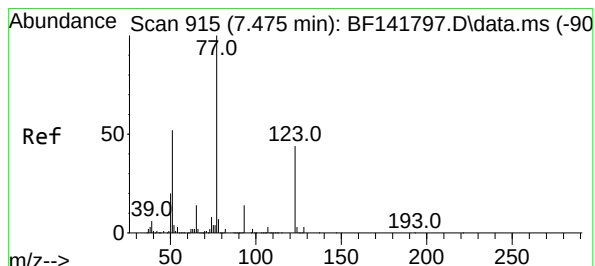
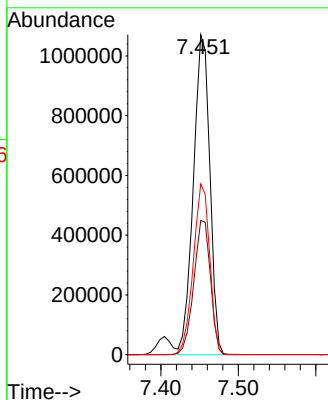
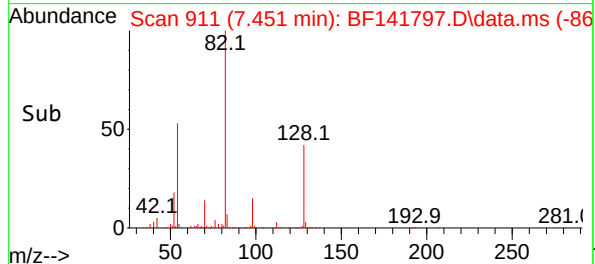
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 82 Resp: 1577764
Ion Ratio Lower Upper
82 100
128 41.9 33.5 50.3
54 53.4 42.7 64.1

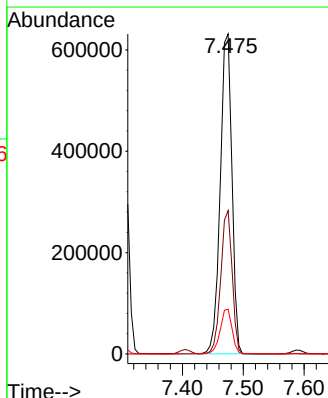
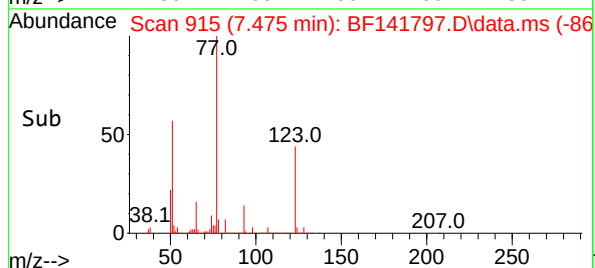
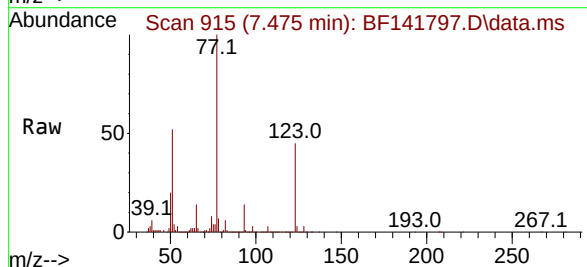
Manual Integrations
APPROVED

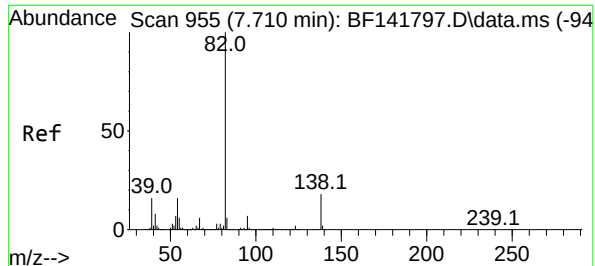
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

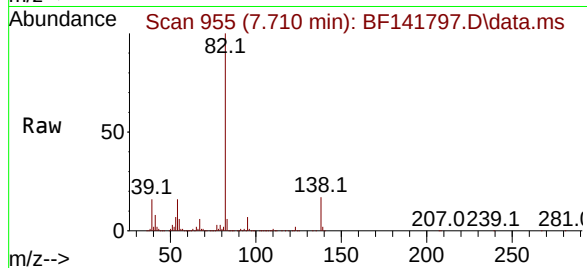
Tgt Ion: 77 Resp: 839887
Ion Ratio Lower Upper
77 100
123 44.8 35.8 53.8
65 14.0 11.2 16.8





#25
Isophorone
Concen: 40.569 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

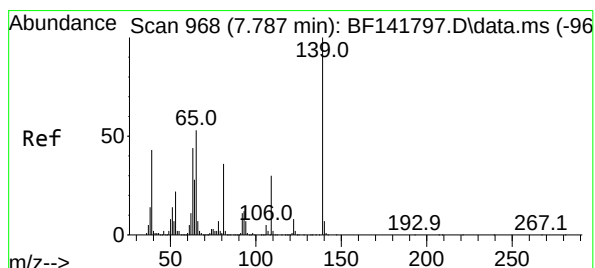
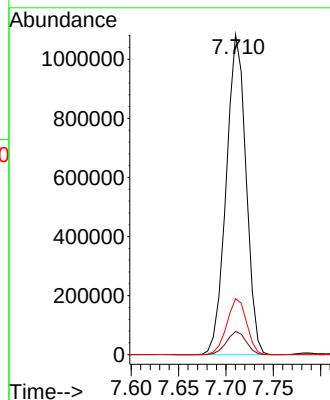
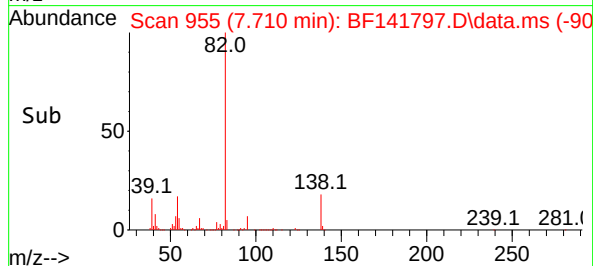
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 82 Resp: 1575854
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 17.5 14.0 21.0

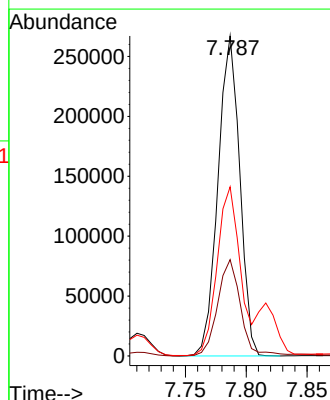
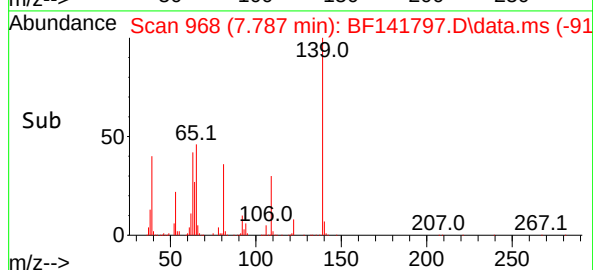
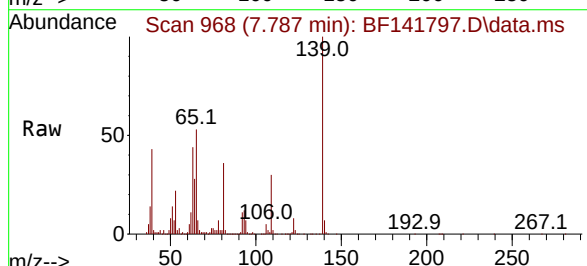
Manual Integrations
APPROVED

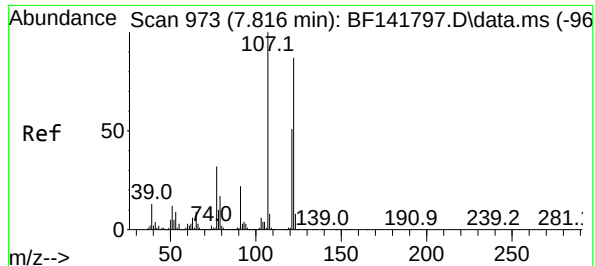
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:139 Resp: 332584
Ion Ratio Lower Upper
139 100
109 30.1 24.1 36.1
65 52.9 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 41.191 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 58815

Ion Ratio Lower Upper

122 100

107 115.6 92.5 138.7

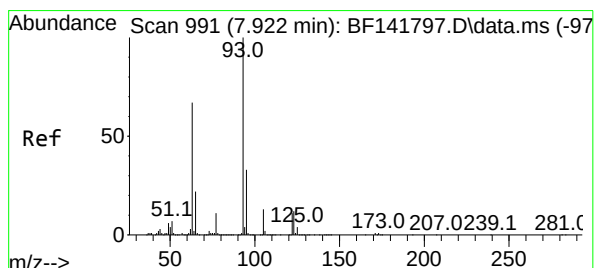
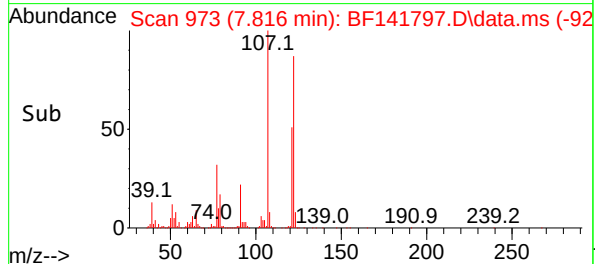
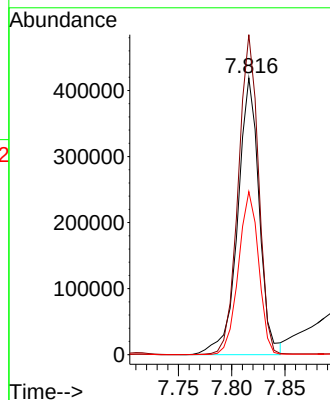
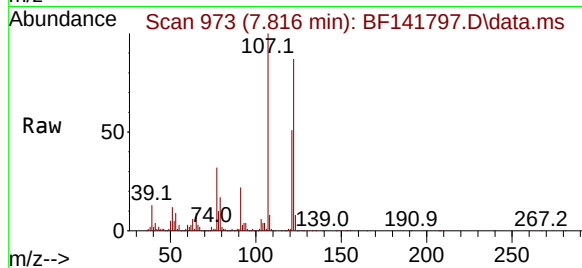
121 58.9 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.624 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

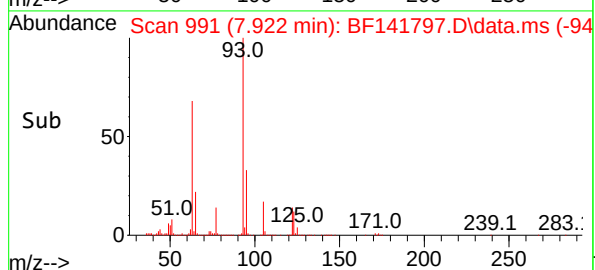
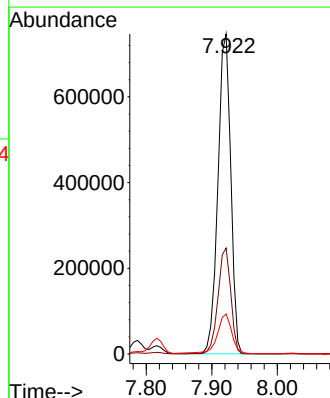
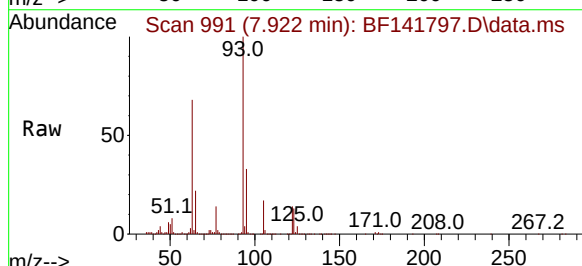
Tgt Ion: 93 Resp: 1006606

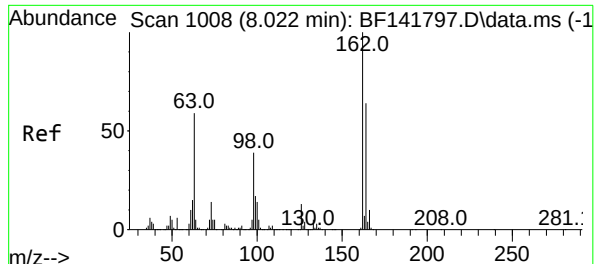
Ion Ratio Lower Upper

93 100

95 33.1 26.5 39.7

123 12.5 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 41.819 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 688860

Ion Ratio Lower Upper

162 100

164 64.3 44.3 84.3

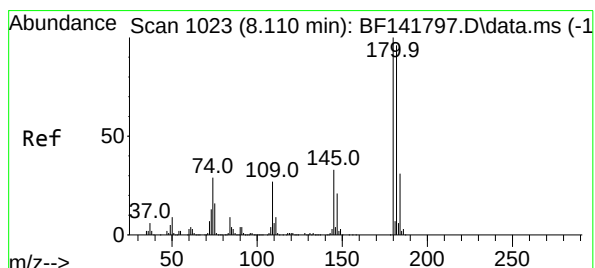
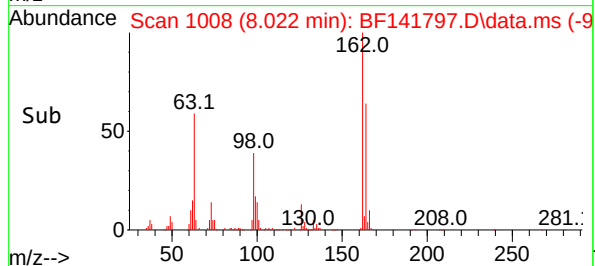
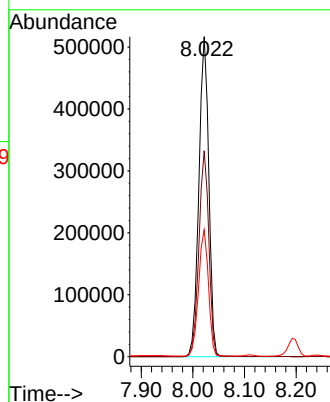
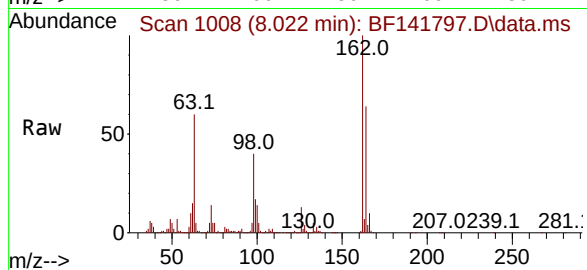
98 39.6 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.863 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

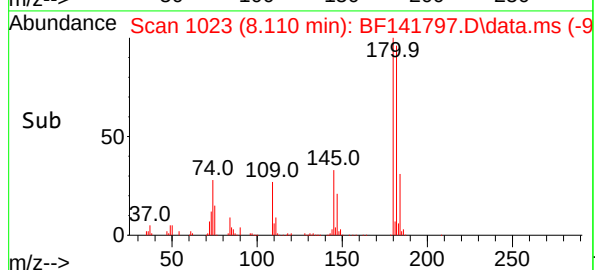
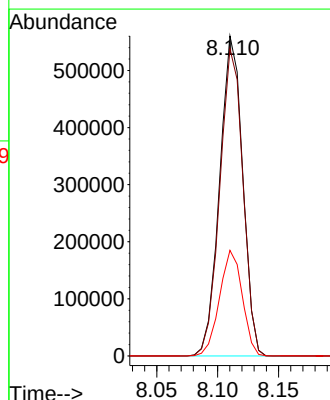
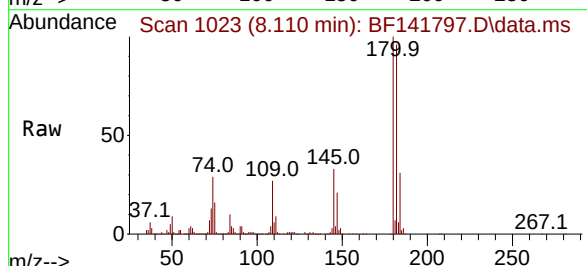
Tgt Ion:180 Resp: 737573

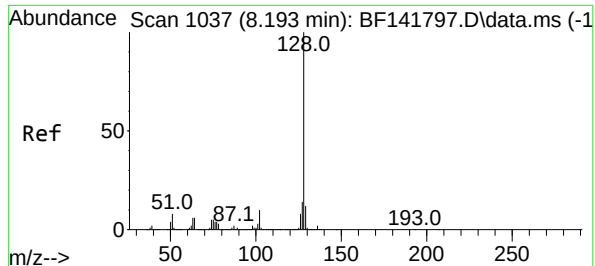
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

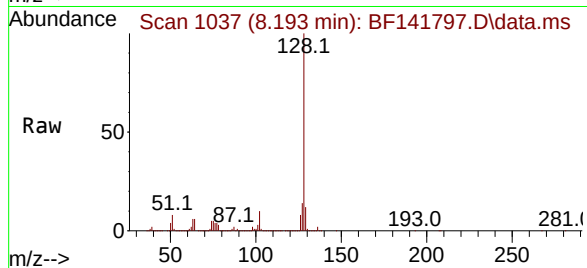
145 33.0 26.4 39.6





#31
Naphthalene
Concen: 40.588 ng
RT: 8.193 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

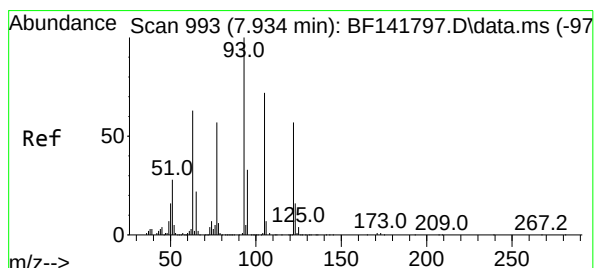
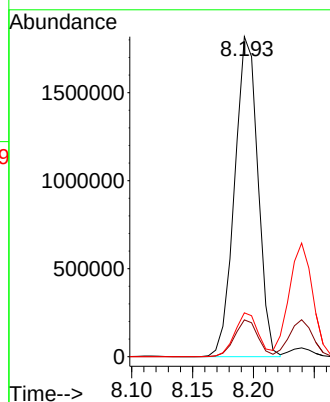
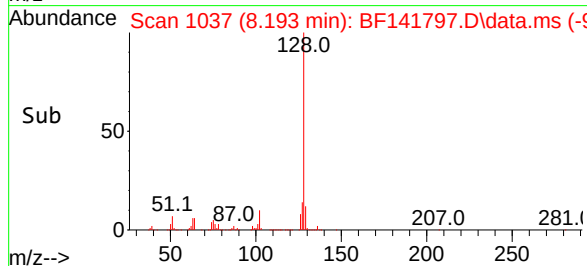
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 2410915
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.7 11.0 16.4

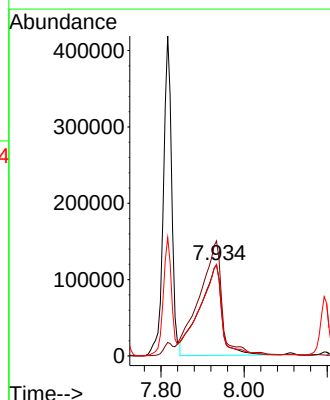
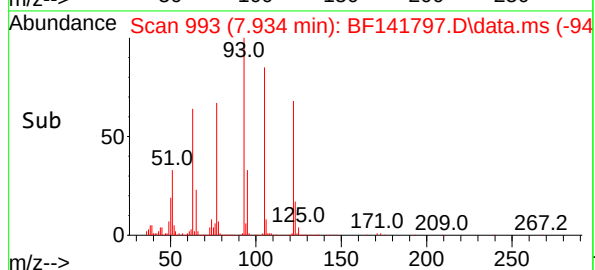
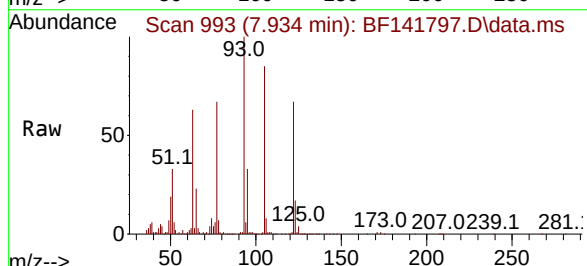
Manual Integrations
APPROVED

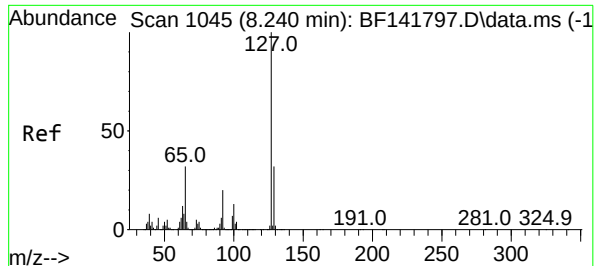
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

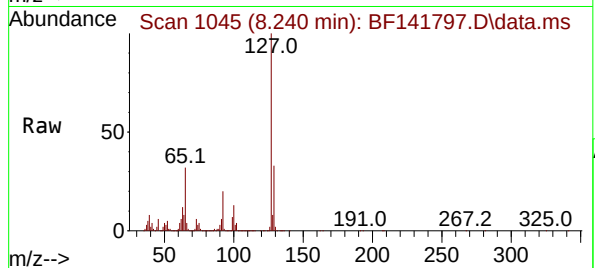
Tgt Ion:122 Resp: 442477
Ion Ratio Lower Upper
122 100
105 125.8 105.8 145.8
77 99.9 79.9 119.9





#33
4-Chloroaniline
Concen: 40.271 ng
RT: 8.240 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

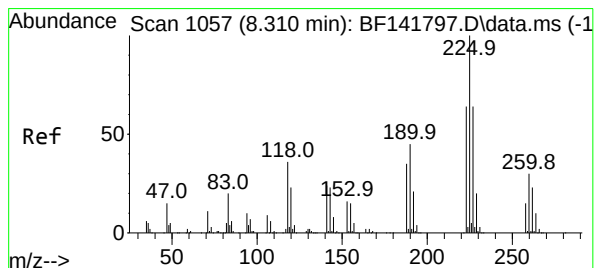
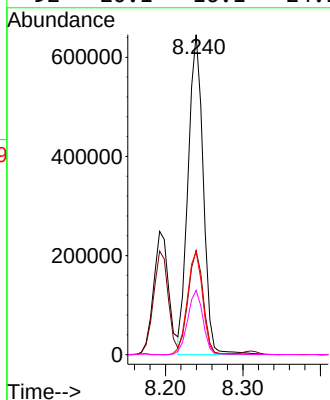
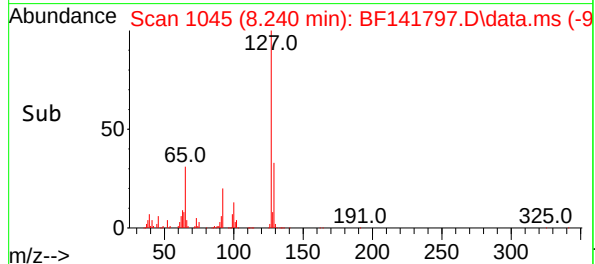
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 877082
Ion Ratio Lower Upper
127 100
129 32.6 26.1 39.1
65 32.1 25.7 38.5
92 20.1 16.1 24.1

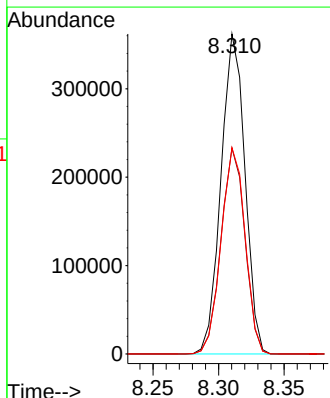
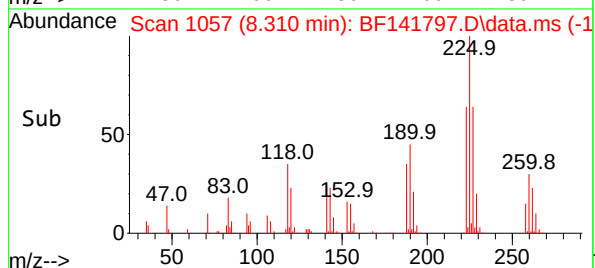
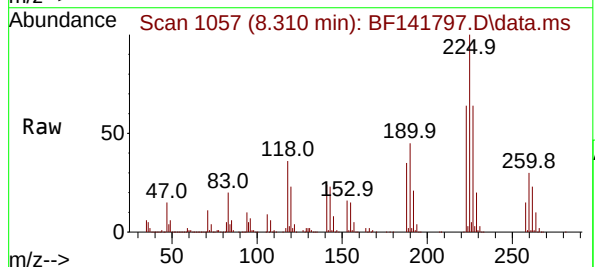
Manual Integrations
APPROVED

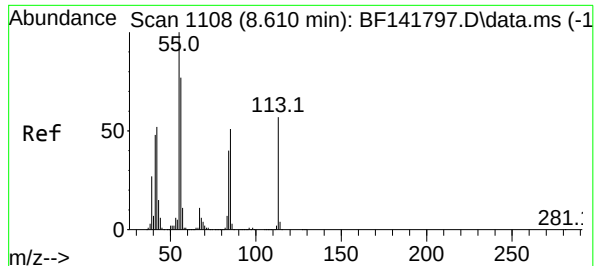
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

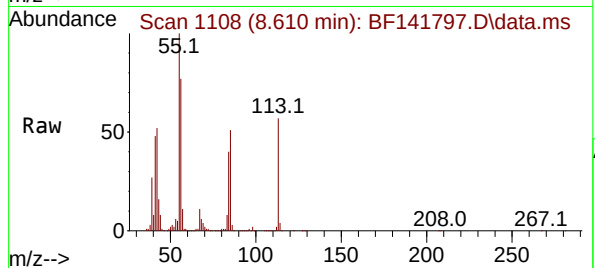
Tgt Ion:225 Resp: 459338
Ion Ratio Lower Upper
225 100
223 64.3 51.4 77.2
227 64.5 51.6 77.4





#35
Caprolactam
Concen: 41.695 ng m
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

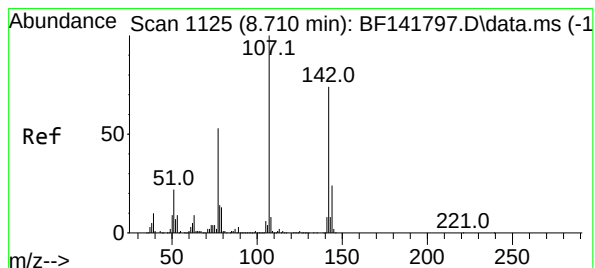
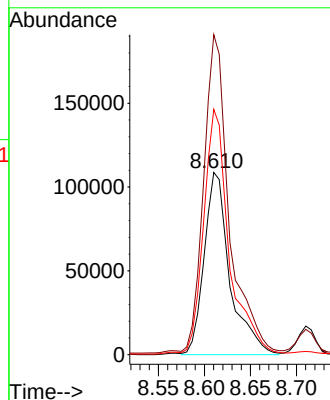
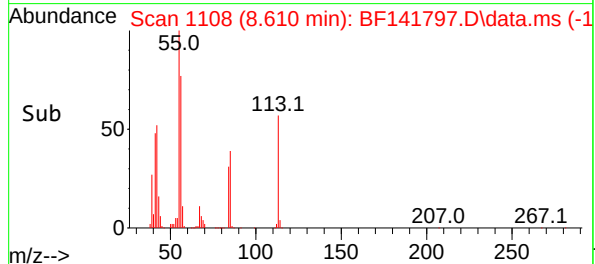
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:113 Resp: 21133
Ion Ratio Lower Upper
113 100
55 175.6 155.6 195.6
56 134.6 114.6 154.6

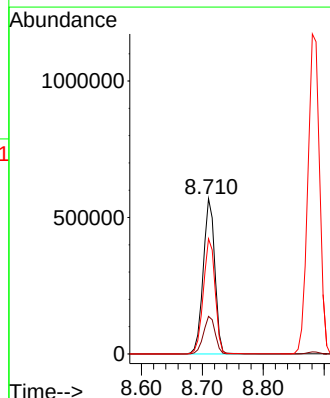
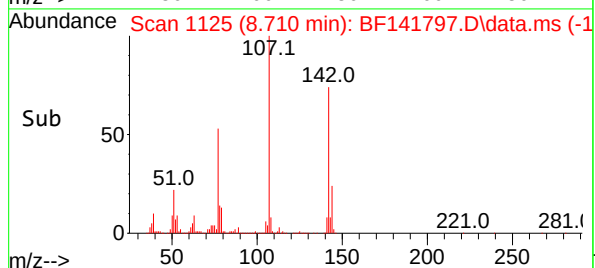
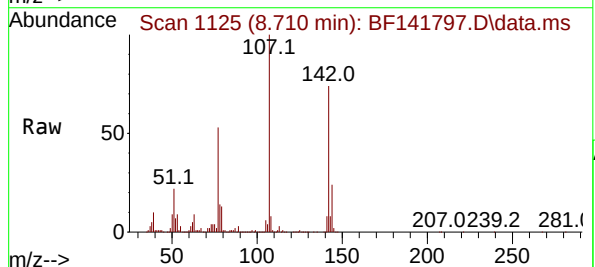
Manual Integrations
APPROVED

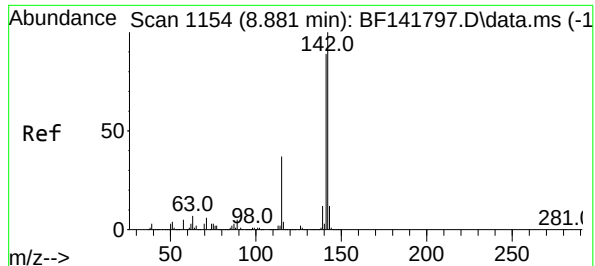
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

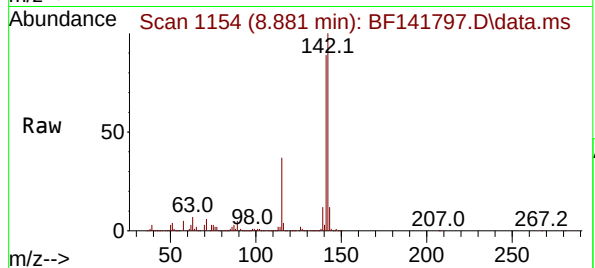
Tgt Ion:107 Resp: 752961
Ion Ratio Lower Upper
107 100
144 24.2 19.4 29.0
142 74.2 59.4 89.0





#37
2-Methylnaphthalene
Concen: 40.179 ng
RT: 8.881 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

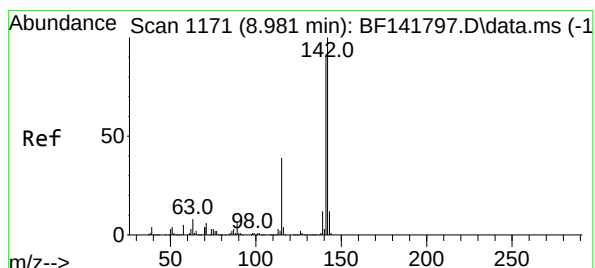
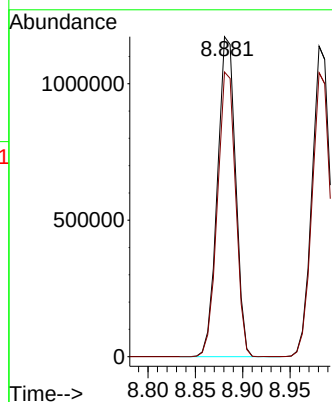
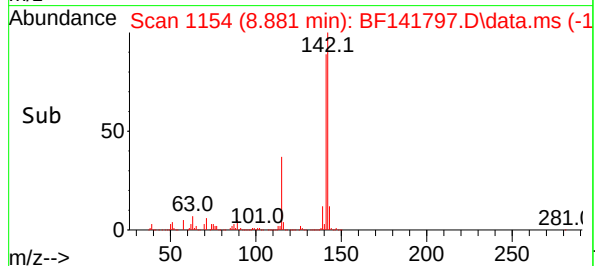
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:142 Resp: 156542
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7

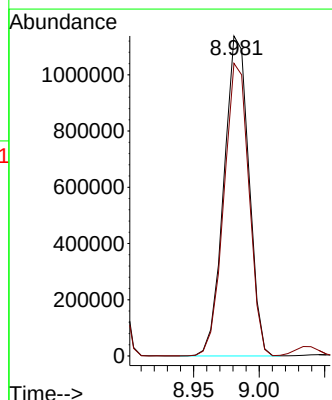
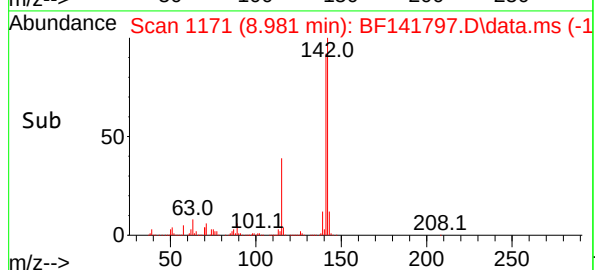
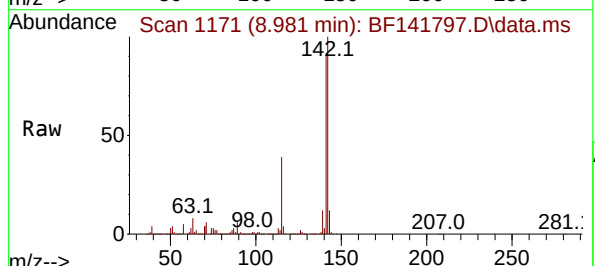
Manual Integrations
APPROVED

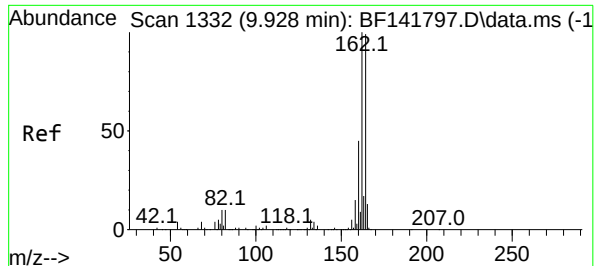
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:142 Resp: 1506039
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141797.D

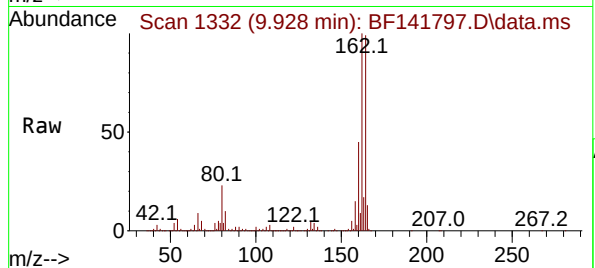
Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 625240

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

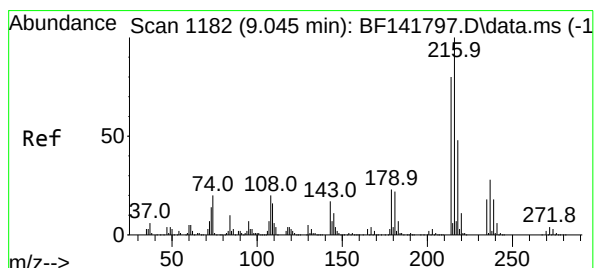
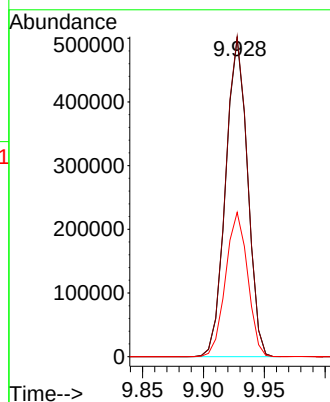
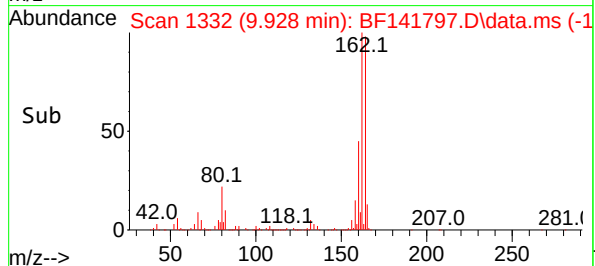
160 45.4 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

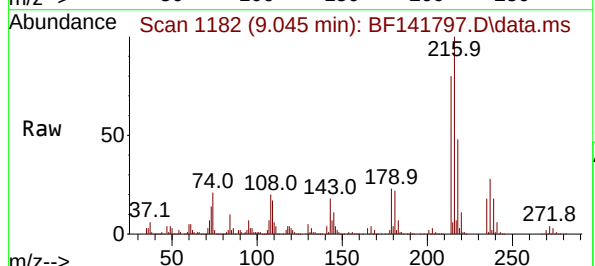
Concen: 40.786 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16



Tgt Ion:216 Resp: 736508

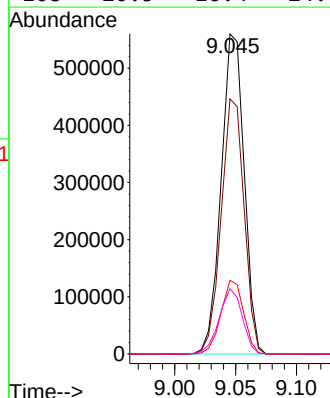
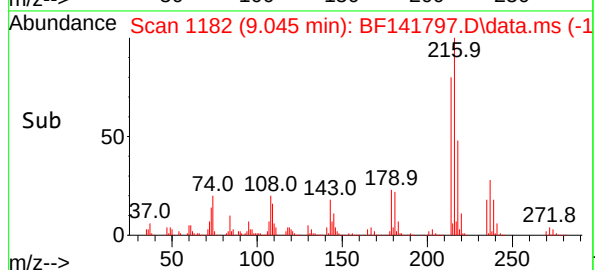
Ion Ratio Lower Upper

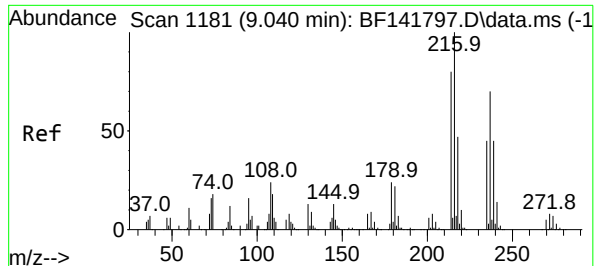
216 100

214 79.4 63.5 95.3

179 22.6 18.1 27.1

108 20.5 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 42.882 ng

RT: 9.040 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:237 Resp: 32316

Ion Ratio Lower Upper

237 100

235 63.3 43.3 83.3

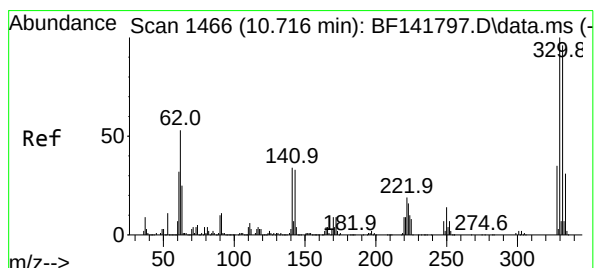
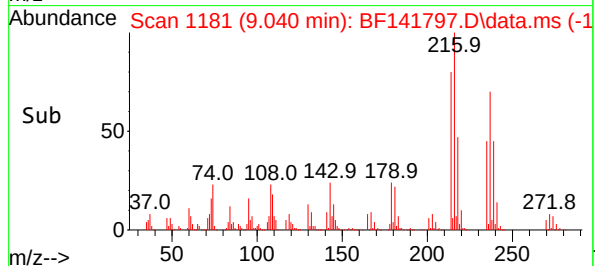
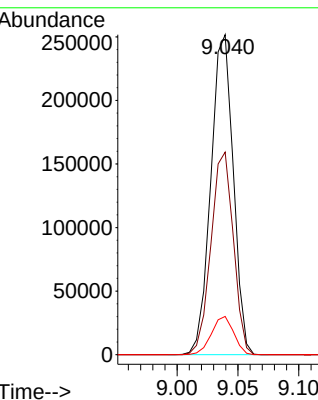
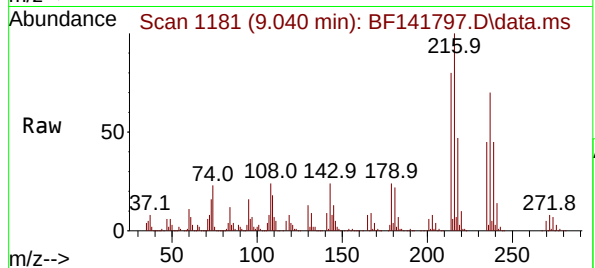
272 11.9 0.0 31.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#42

2,4,6-Tribromophenol

Concen: 84.959 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

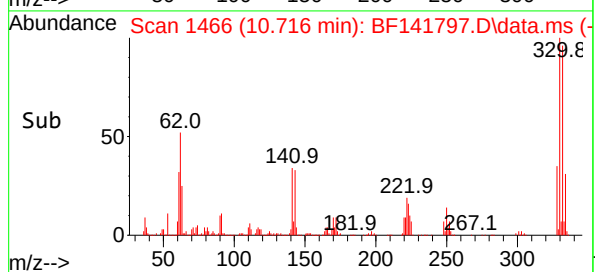
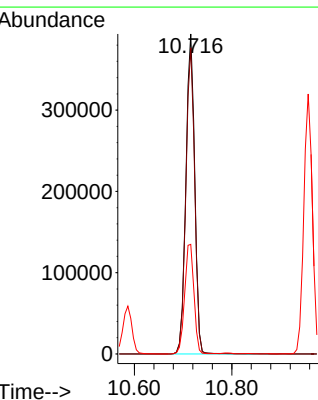
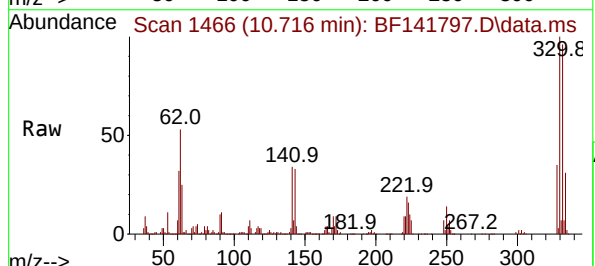
Tgt Ion:330 Resp: 498702

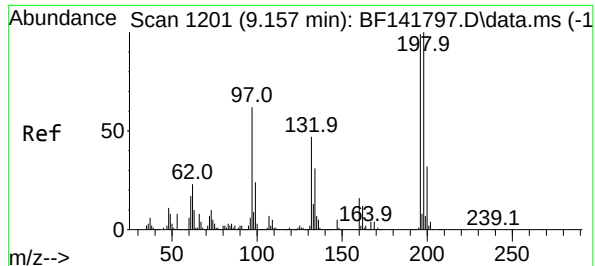
Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

141 36.2 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 42.623 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 49718

Ion Ratio Lower Upper

196 100

198 100.5 80.4 120.6

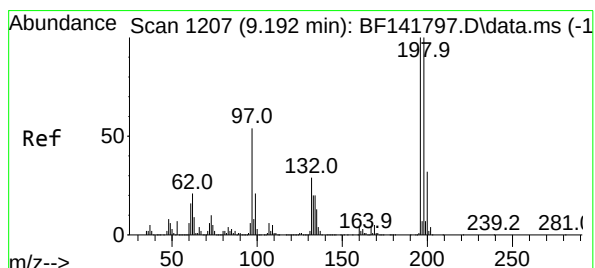
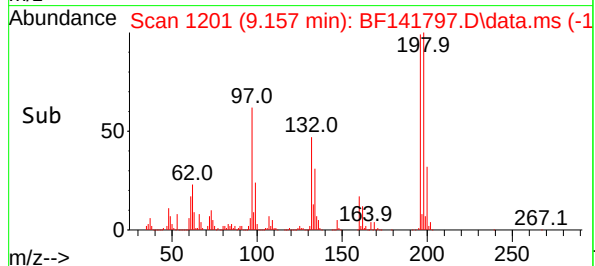
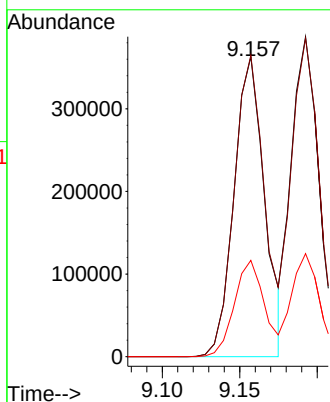
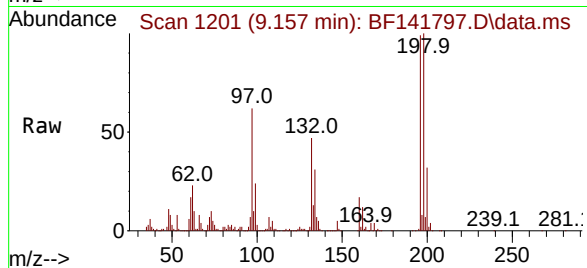
200 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

Concen: 41.448 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 478749

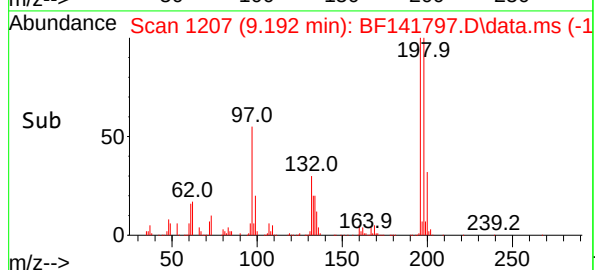
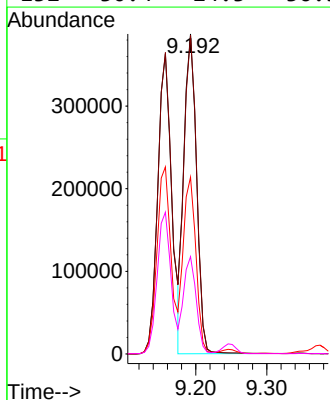
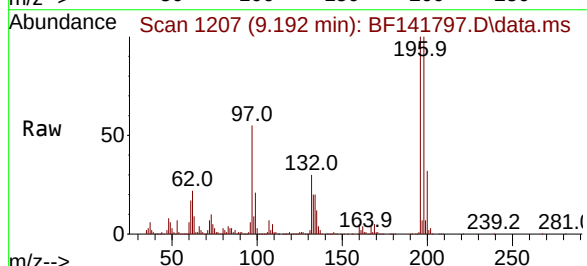
Ion Ratio Lower Upper

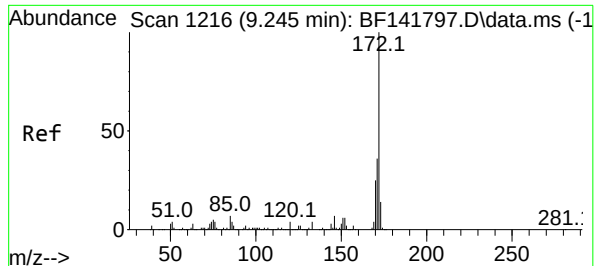
196 100

198 99.6 79.7 119.5

97 55.2 44.2 66.2

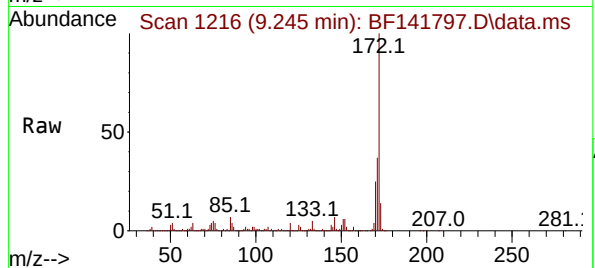
132 30.4 24.3 36.5





#45
2-Fluorobiphenyl
Concen: 79.348 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

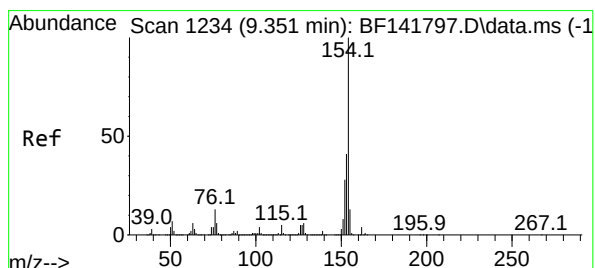
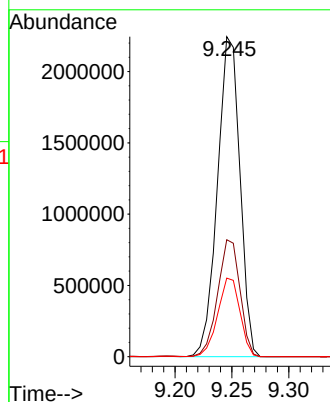
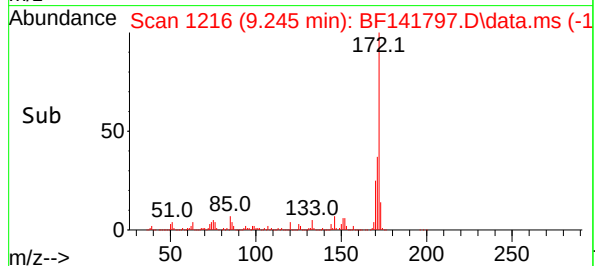
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:172 Resp: 3094072
Ion Ratio Lower Upper
172 100
171 36.5 29.2 43.8
170 24.6 19.7 29.5

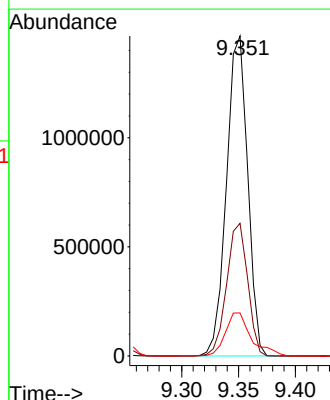
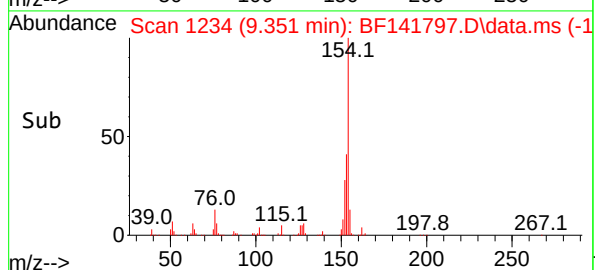
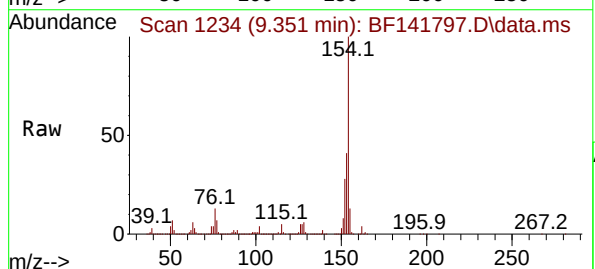
Manual Integrations
APPROVED

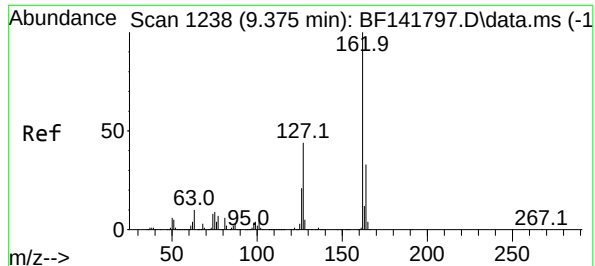
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:154 Resp: 1899694
Ion Ratio Lower Upper
154 100
153 41.4 21.4 61.4
76 13.4 0.0 33.4





#47

2-Chloronaphthalene

Concen: 40.402 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF141797.D

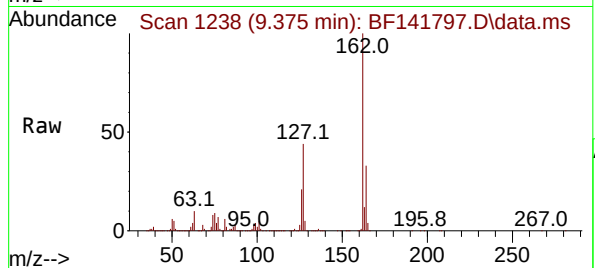
Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 1419149

Ion Ratio Lower Upper

162 100

127 43.8 35.0 52.6

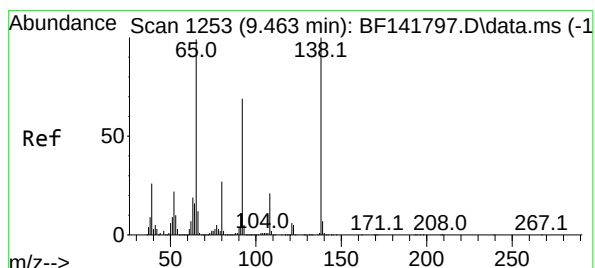
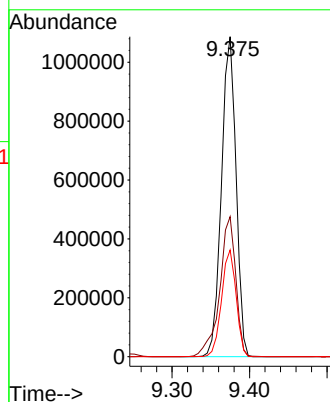
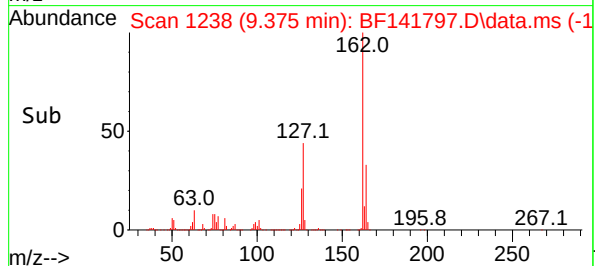
164 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#48

2-Nitroaniline

Concen: 39.827 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

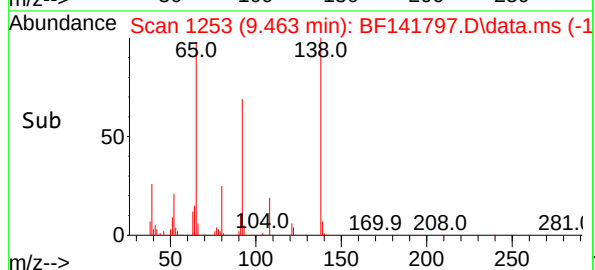
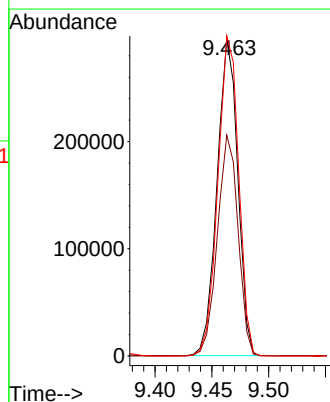
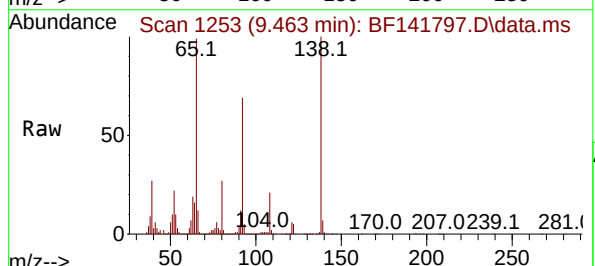
Tgt Ion: 65 Resp: 375120

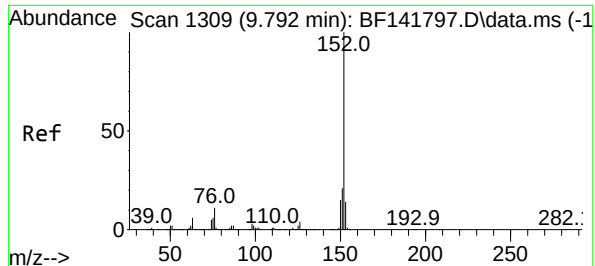
Ion Ratio Lower Upper

65 100

92 69.6 55.7 83.5

138 100.8 80.6 121.0





#49

Acenaphthylene

Concen: 40.629 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF141797.D

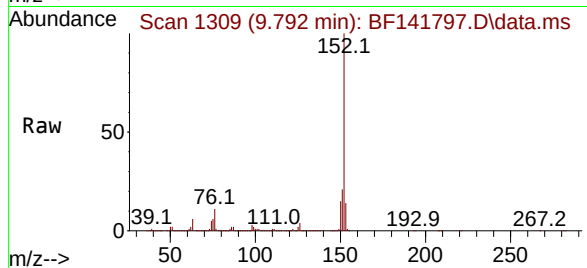
Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:152 Resp: 213972

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

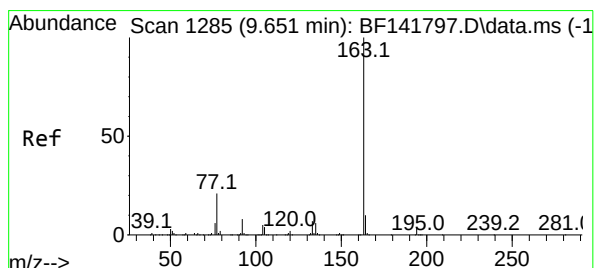
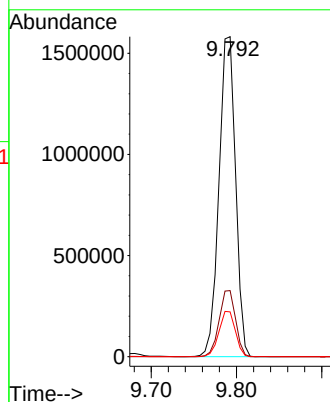
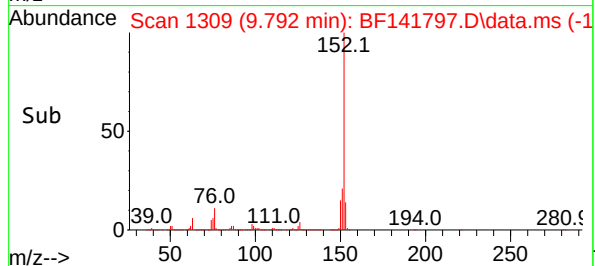
153 14.0 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

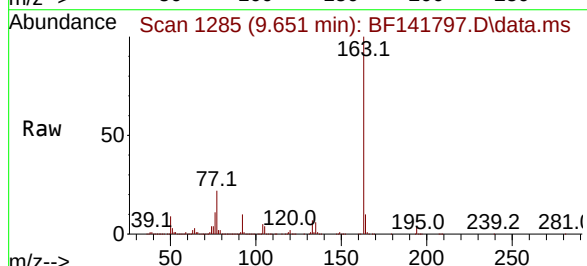
Concen: 40.710 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16



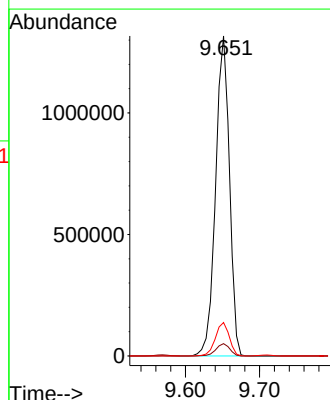
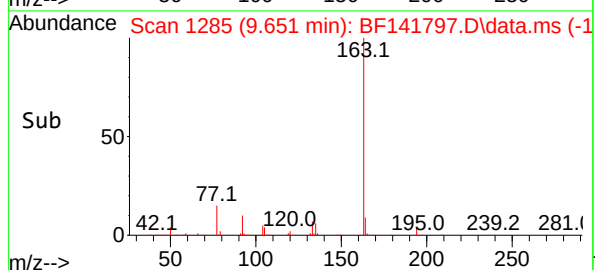
Tgt Ion:163 Resp: 1704601

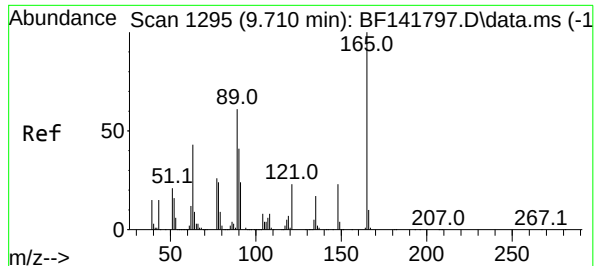
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

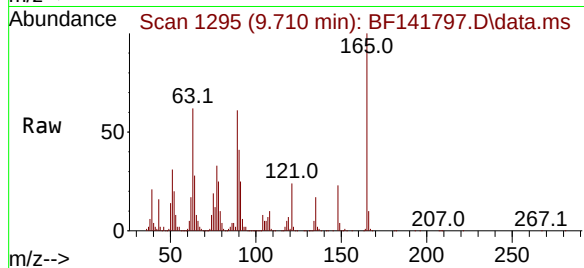
164 10.5 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 40.557 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

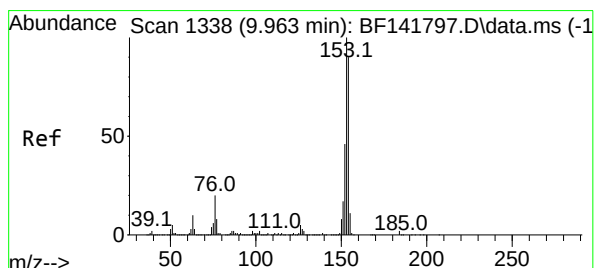
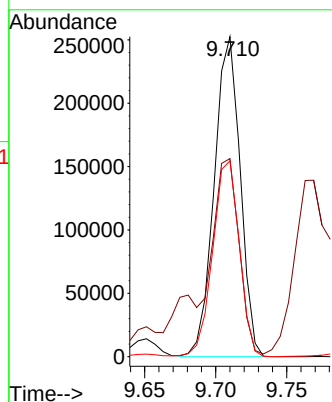
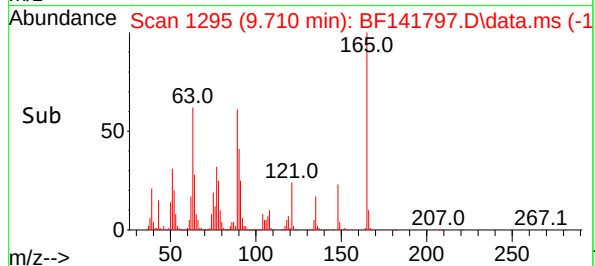
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 321129
Ion Ratio Lower Upper
165 100
63 61.9 49.5 74.3
89 61.2 49.0 73.4

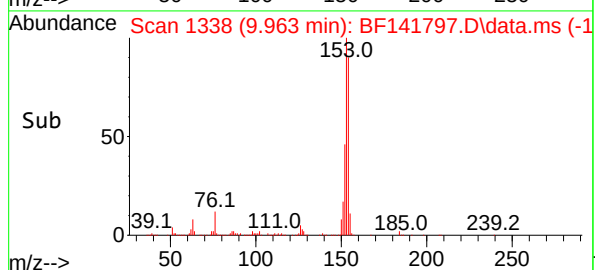
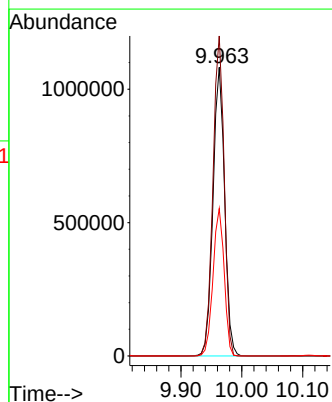
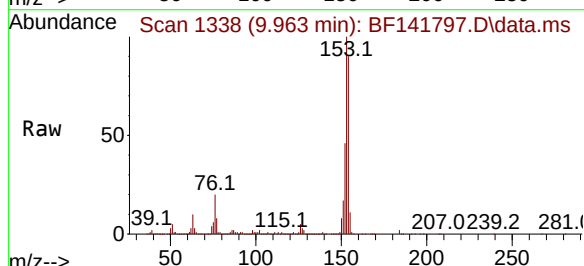
Manual Integrations
APPROVED

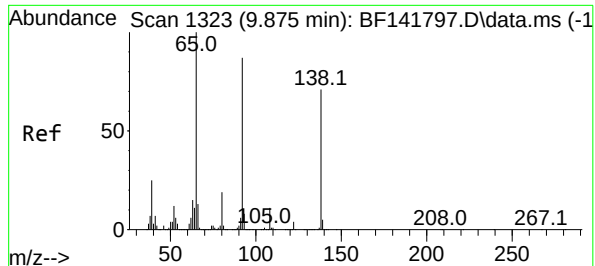
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

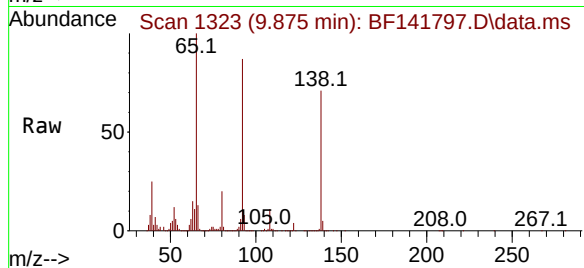
Tgt Ion:154 Resp: 1437821
Ion Ratio Lower Upper
154 100
153 110.9 88.7 133.1
152 51.1 40.9 61.3





#53
3-Nitroaniline
Concen: 41.045 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

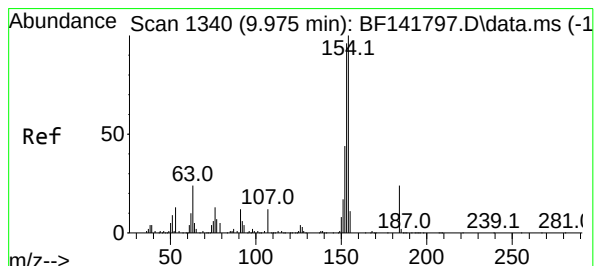
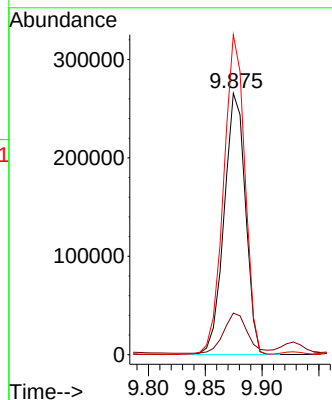
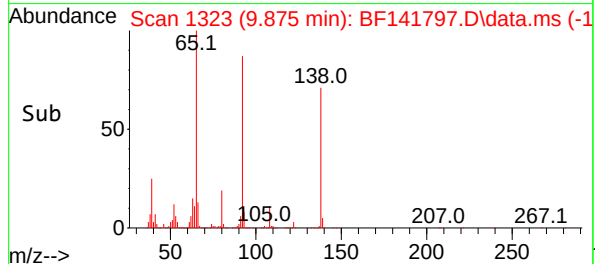
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 346294
Ion Ratio Lower Upper
138 100
108 15.9 12.7 19.1
92 122.4 97.9 146.9

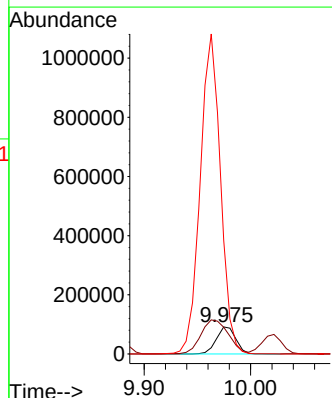
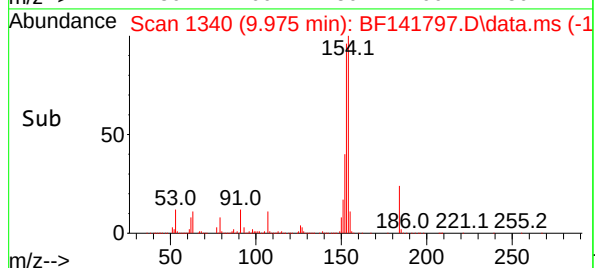
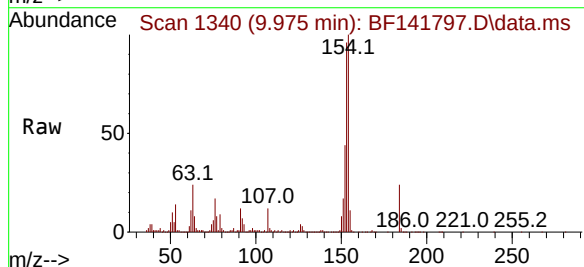
Manual Integrations
APPROVED

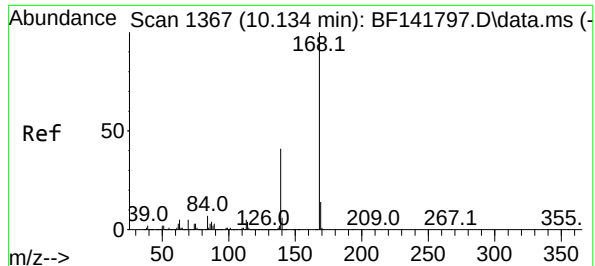
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

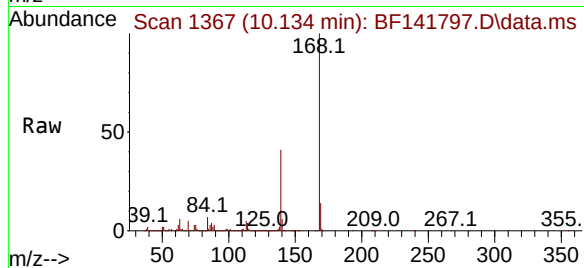
Tgt Ion:184 Resp: 115933
Ion Ratio Lower Upper
184 100
63 98.8 79.0 118.6
154 419.8 335.8 503.8





#55
Dibenzenofuran
Concen: 40.198 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

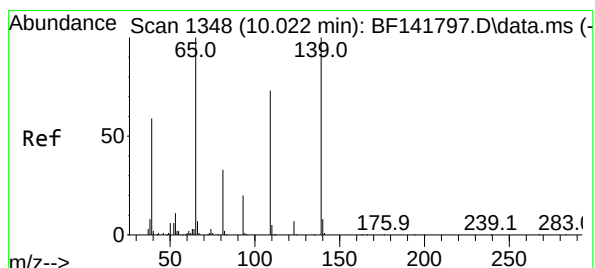
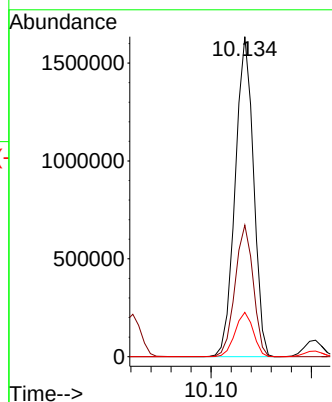
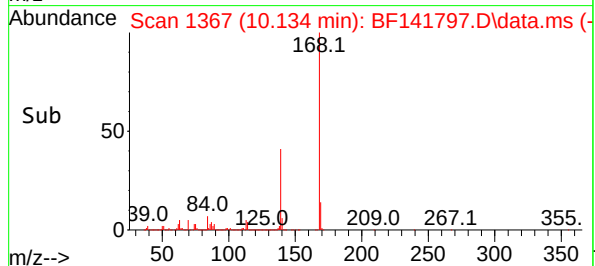
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 2079139
Ion Ratio Lower Upper
168 100
139 41.1 32.9 49.3
169 13.9 11.1 16.7

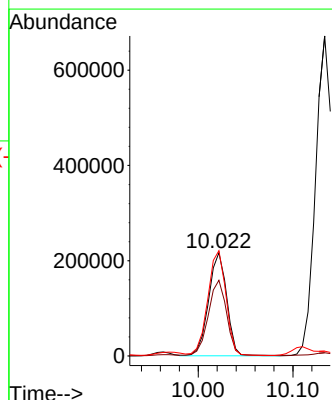
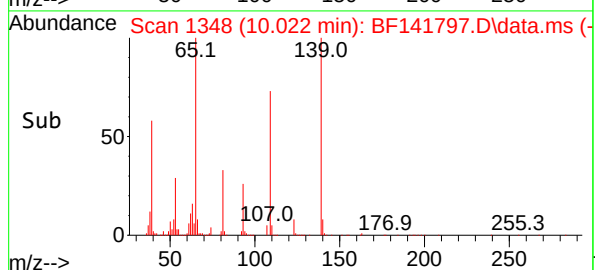
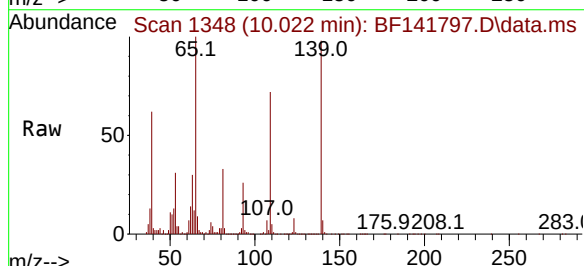
Manual Integrations
APPROVED

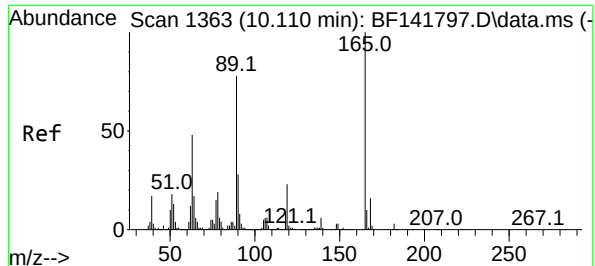
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

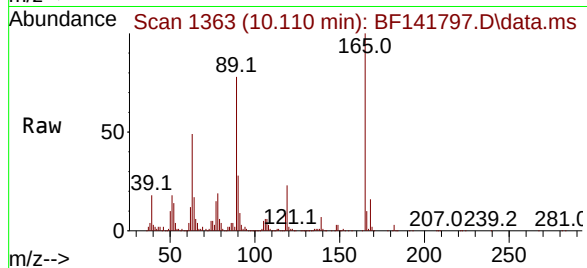
Tgt Ion:139 Resp: 285537
Ion Ratio Lower Upper
139 100
109 73.4 53.4 93.4
65 102.1 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

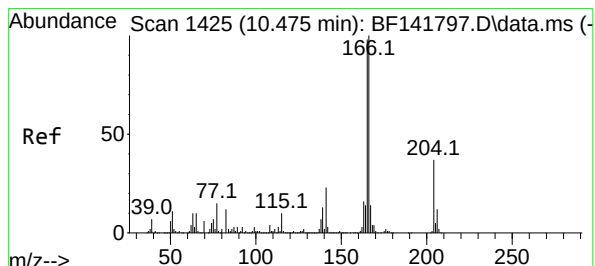
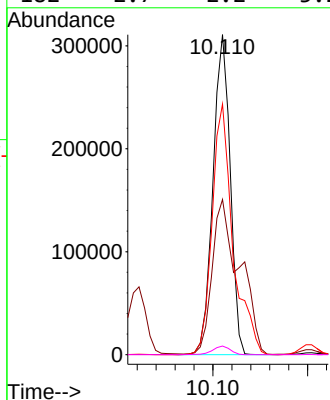
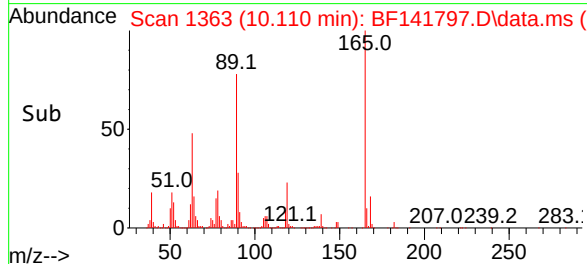
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 391858
Ion Ratio Lower Upper
165 100
63 48.5 38.8 58.2
89 78.3 62.6 94.0
182 2.7 2.2 3.2

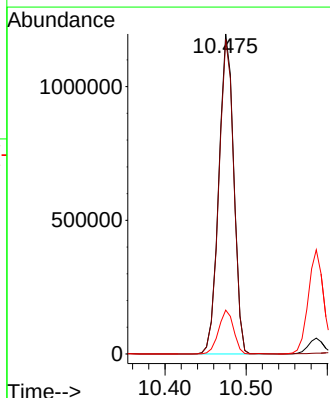
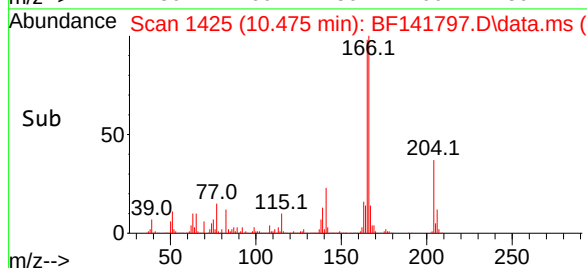
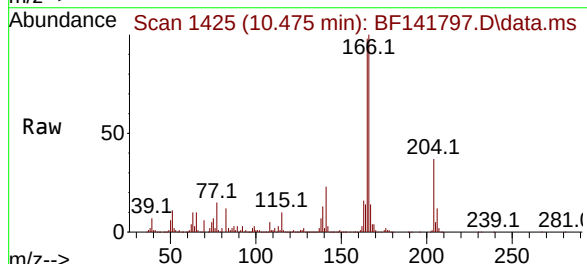
Manual Integrations
APPROVED

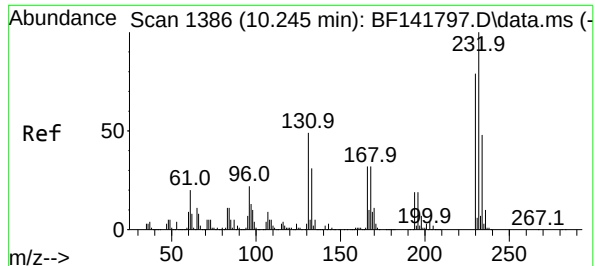
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

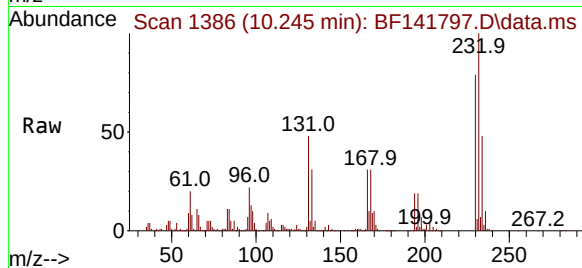
Tgt Ion:166 Resp: 1536139
Ion Ratio Lower Upper
166 100
165 98.2 78.6 117.8
167 13.7 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.235 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

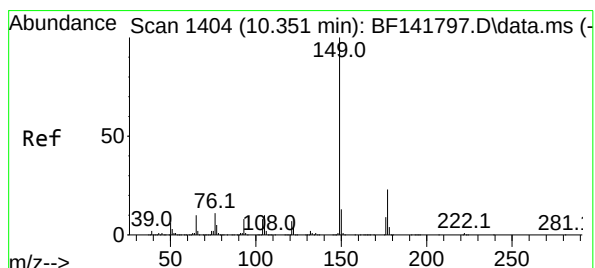
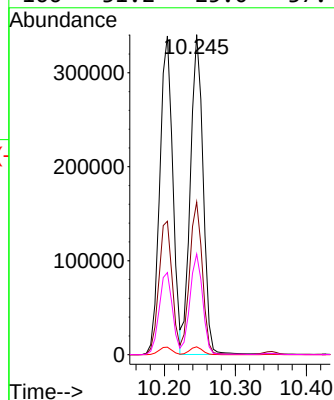
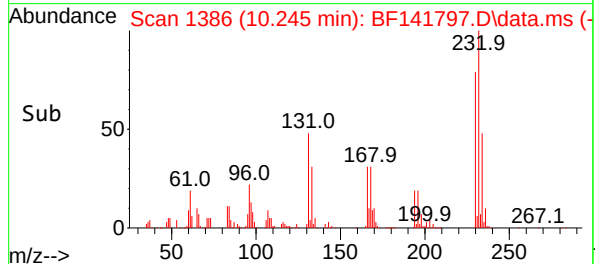
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 424271
Ion Ratio Lower Upper
232 100
131 47.3 37.8 56.8
130 2.5 2.0 3.0
166 31.2 25.0 37.4

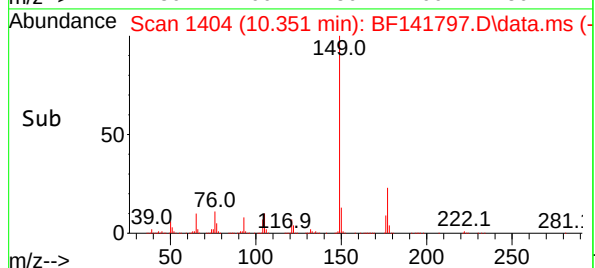
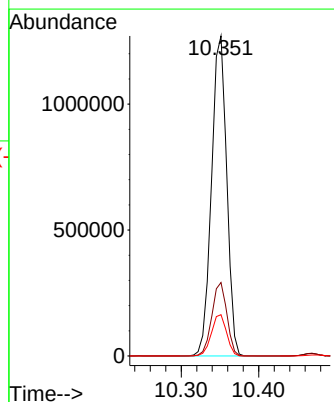
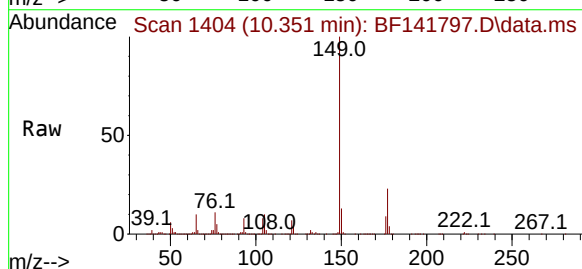
Manual Integrations
APPROVED

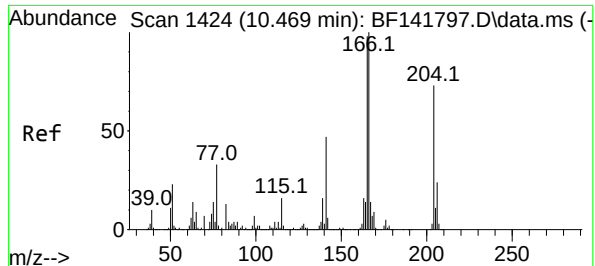
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

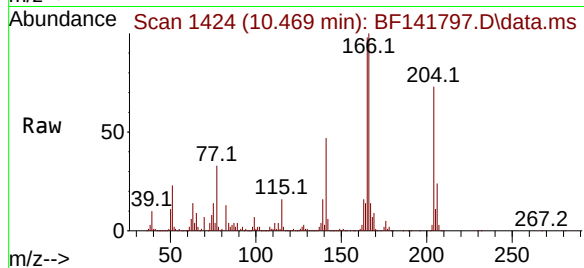
Tgt Ion:149 Resp: 1729522
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 39.939 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

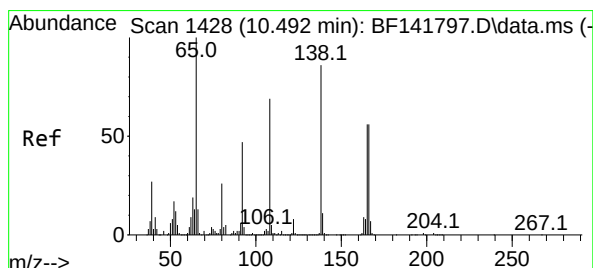
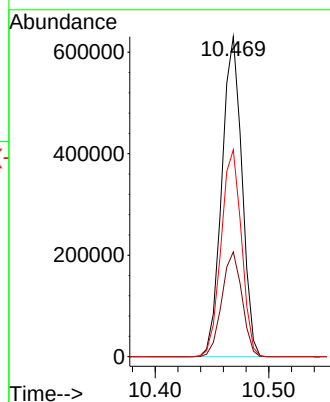
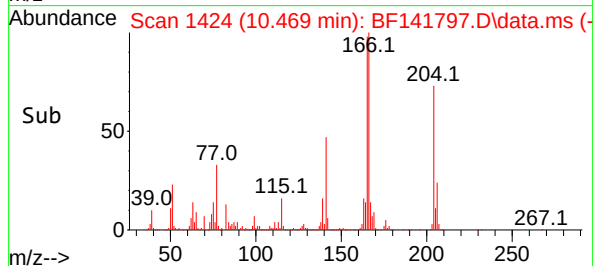
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:204 Resp: 775274
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.4
141 64.6 51.7 77.5

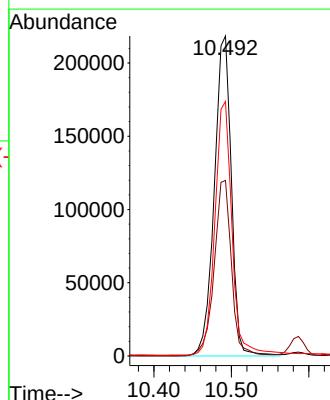
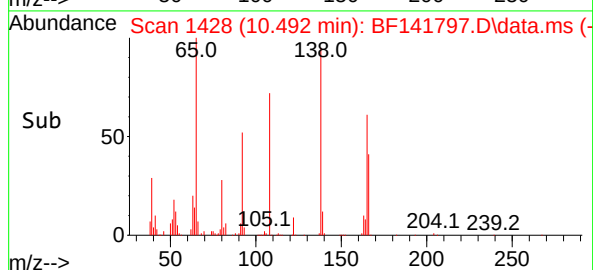
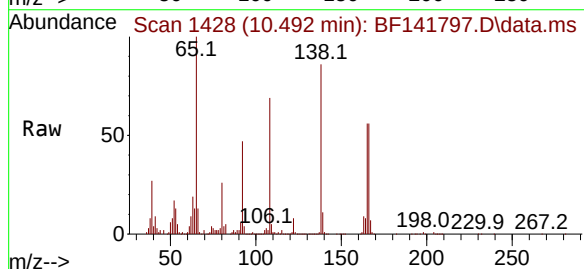
Manual Integrations
APPROVED

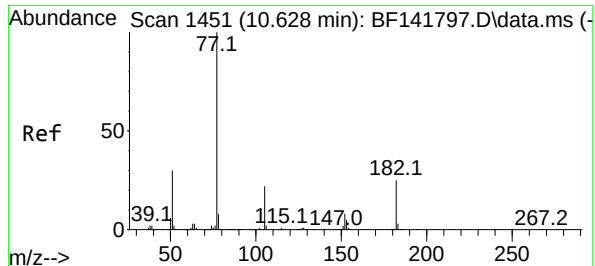
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

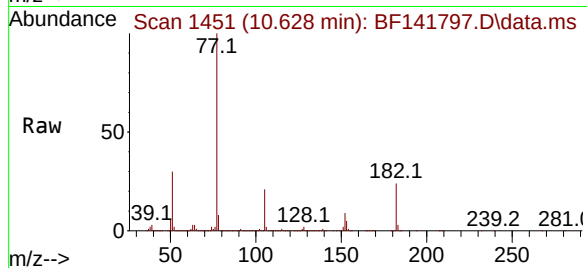
Tgt Ion:138 Resp: 333830
Ion Ratio Lower Upper
138 100
92 54.9 34.9 74.9
108 79.6 59.6 99.6





#63
Azobenzene
Concen: 40.657 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

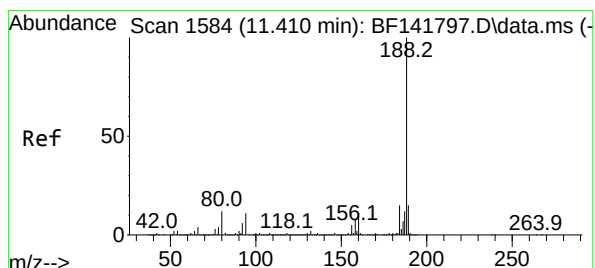
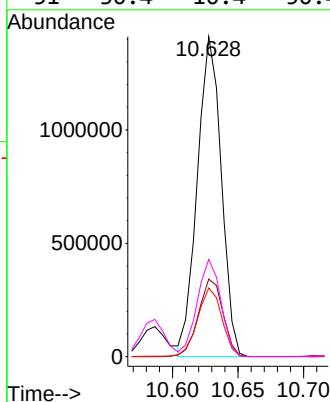
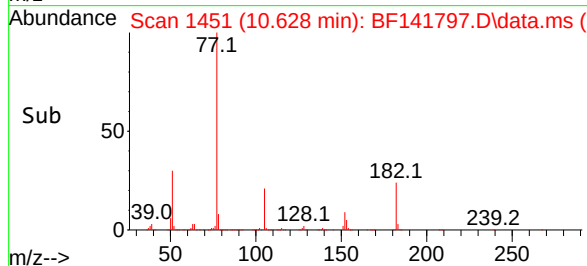
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 1796900
Ion Ratio Lower Upper
77 100
182 24.2 4.2 44.2
105 21.5 1.5 41.5
51 30.4 10.4 50.4

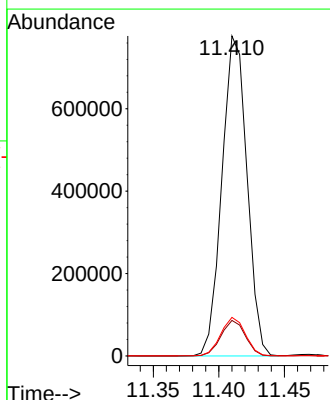
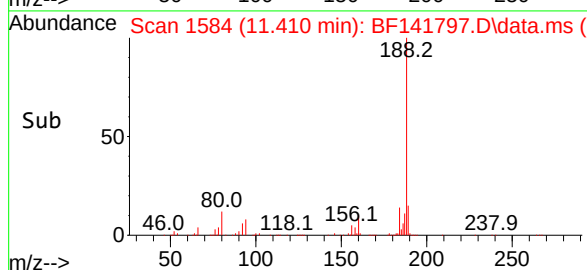
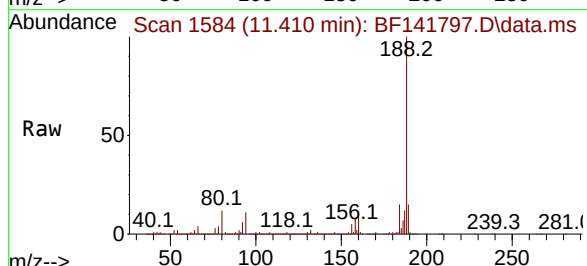
Manual Integrations
APPROVED

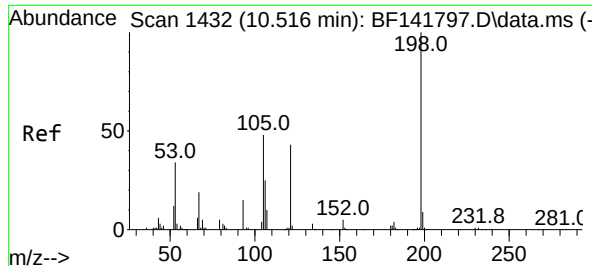
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

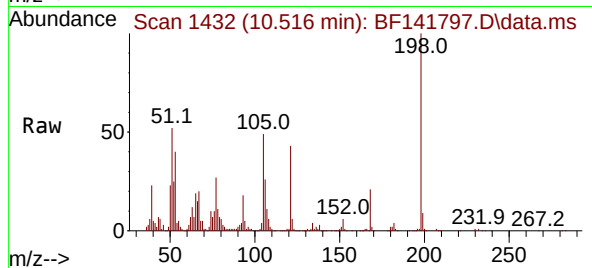
Tgt Ion:188 Resp: 1031875
Ion Ratio Lower Upper
188 100
94 11.1 8.9 13.3
80 12.1 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 38.731 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

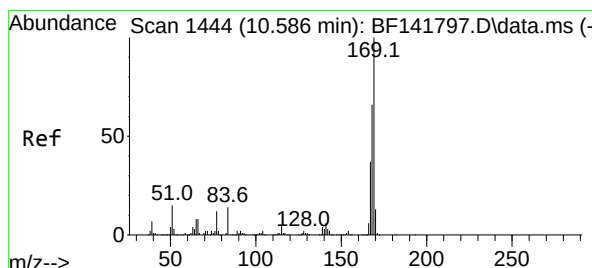
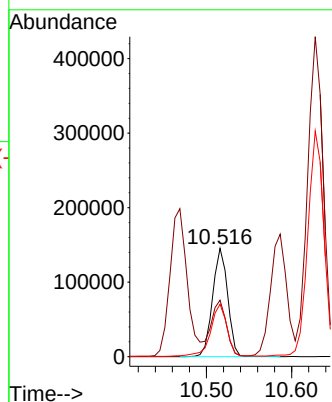
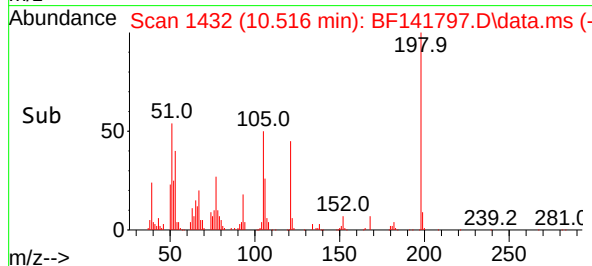
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:198 Resp: 179018
Ion Ratio Lower Upper
198 100
51 52.1 32.1 72.1
105 48.5 28.5 68.5

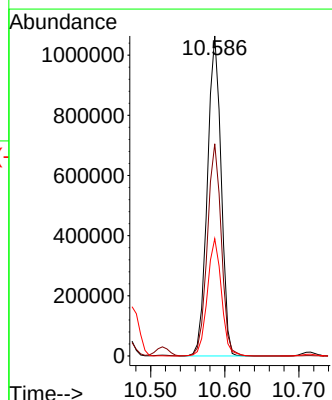
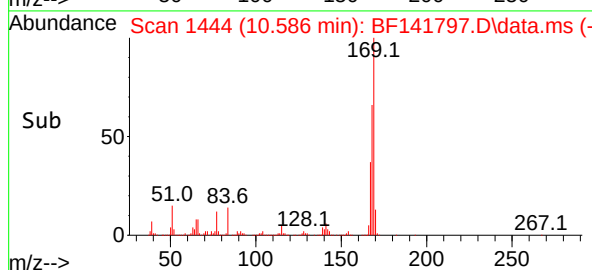
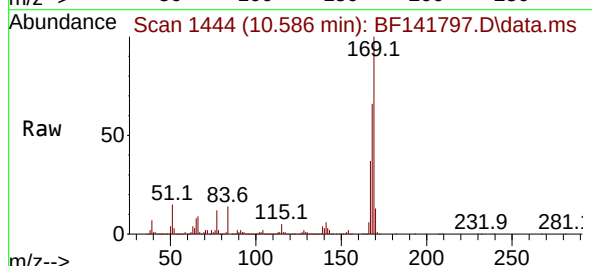
Manual Integrations
APPROVED

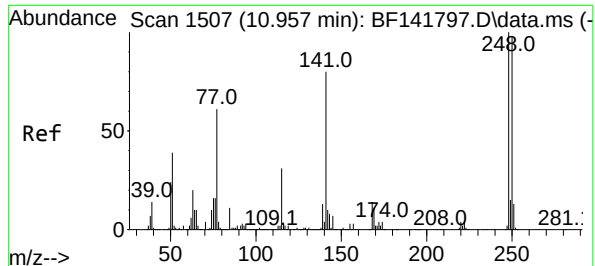
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

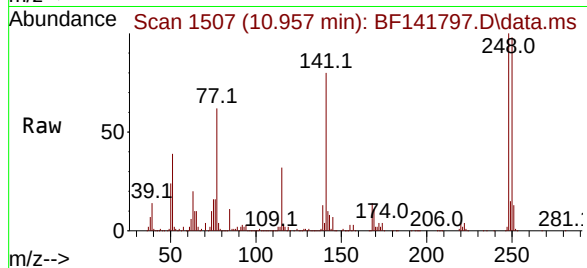
Tgt Ion:169 Resp: 1371761
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 36.6 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 40.722 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

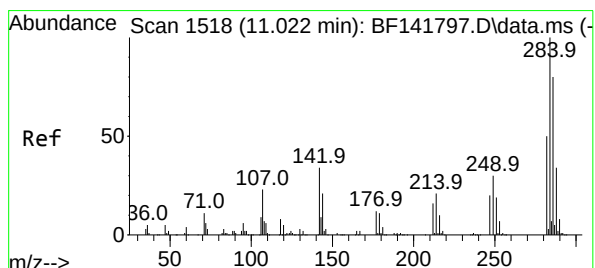
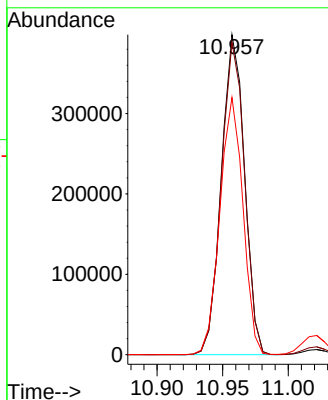
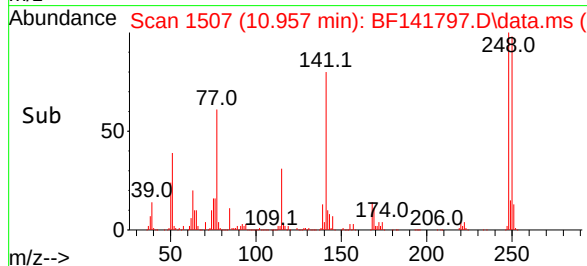
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:248 Resp: 490810
Ion Ratio Lower Upper
248 100
250 97.6 78.1 117.1
141 80.4 64.3 96.5

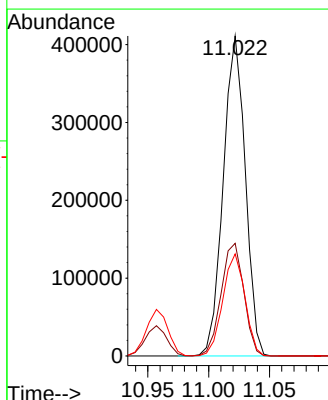
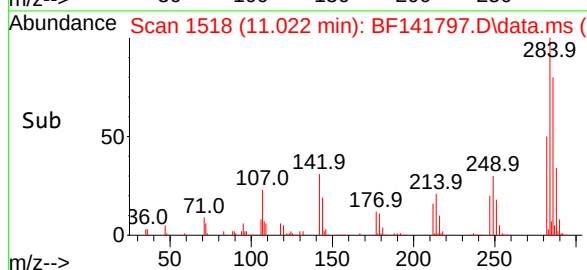
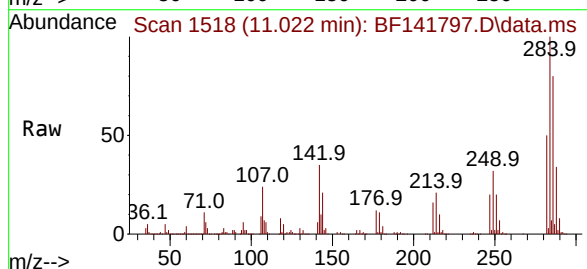
Manual Integrations
APPROVED

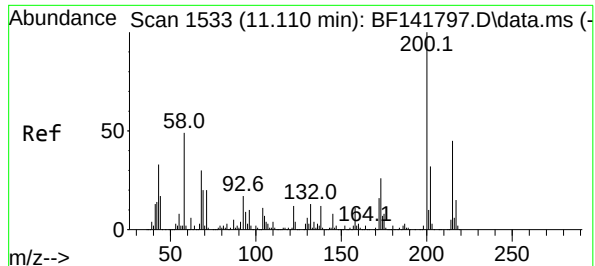
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:284 Resp: 518266
Ion Ratio Lower Upper
284 100
142 35.2 28.2 42.2
249 31.9 25.5 38.3





#69

Atrazine

Concen: 39.649 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141797.D

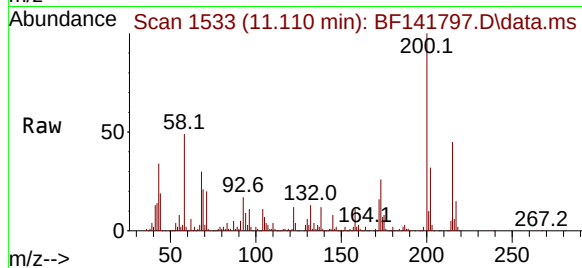
Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

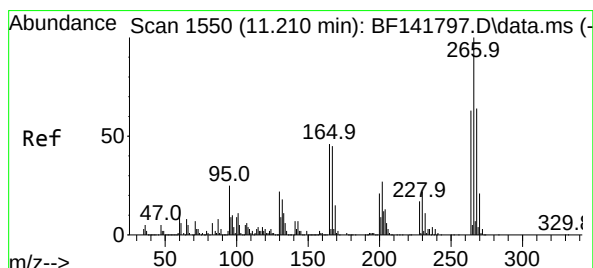
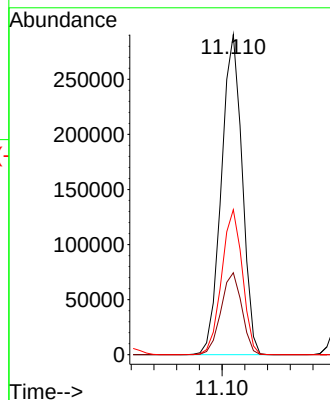
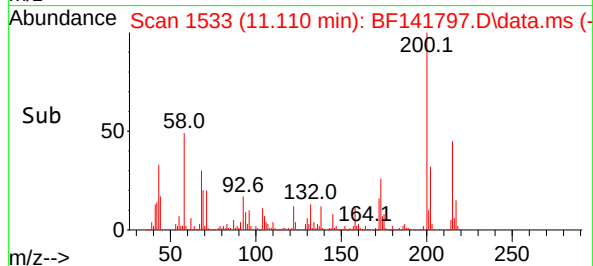
SSTDICCC040



Tgt Ion:200 Resp: 369439
Ion Ratio Lower Upper
200 100
173 25.6 5.6 45.6
215 45.3 25.3 65.3

Manual Integrations
APPROVED

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



#70

Pentachlorophenol

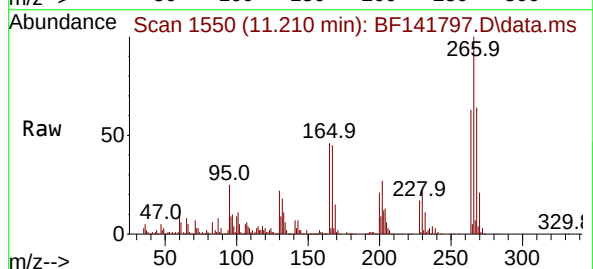
Concen: 43.086 ng

RT: 11.210 min Scan# 1550

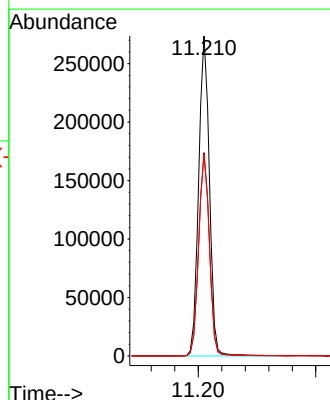
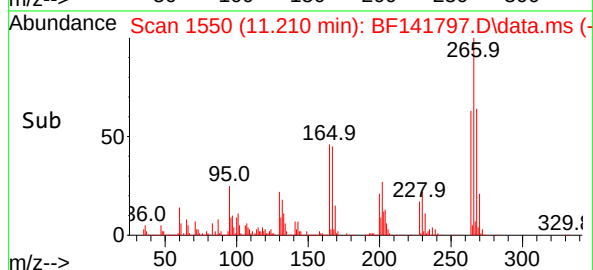
Delta R.T. 0.000 min

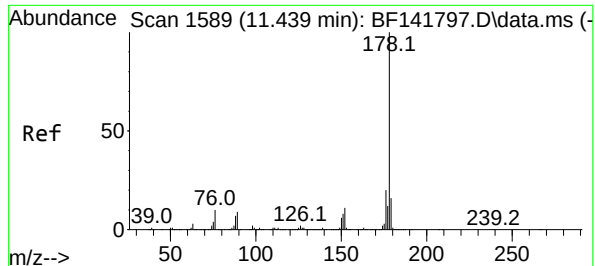
Lab File: BF141797.D

Acq: 27 Feb 2025 17:16



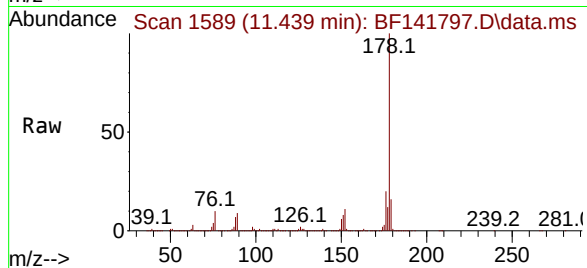
Tgt Ion:266 Resp: 347791
Ion Ratio Lower Upper
266 100
268 63.6 50.9 76.3
264 62.8 50.2 75.4





#71
Phenanthrene
Concen: 40.130 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

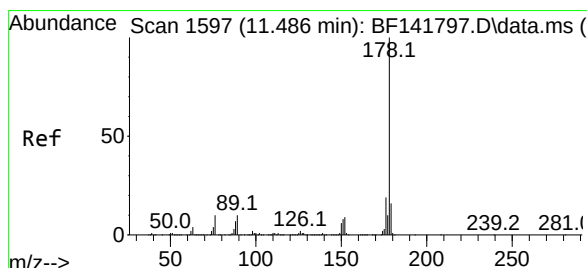
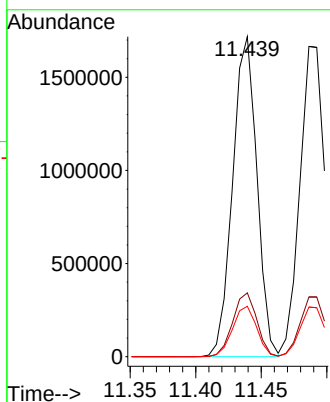
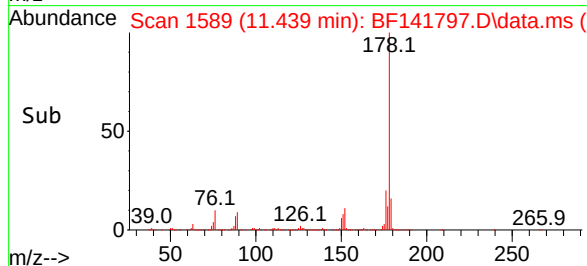
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:178 Resp: 221495
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.8 12.6 19.0

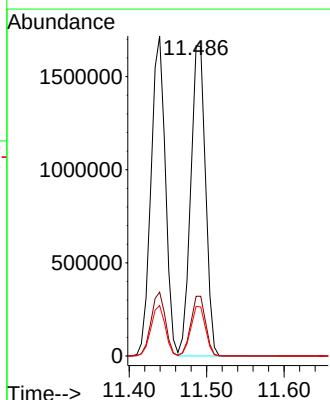
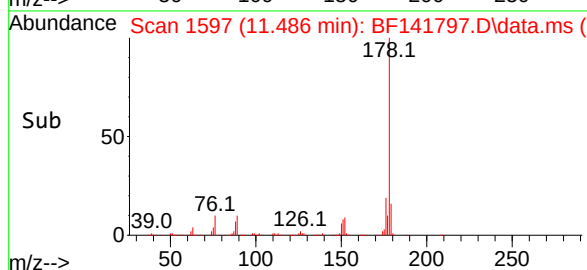
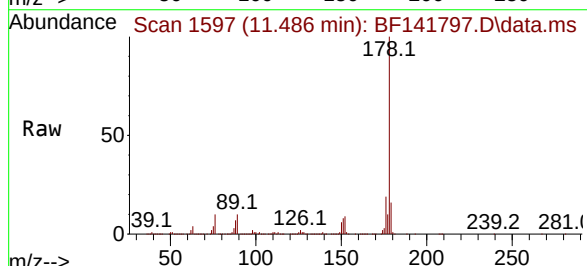
Manual Integrations
APPROVED

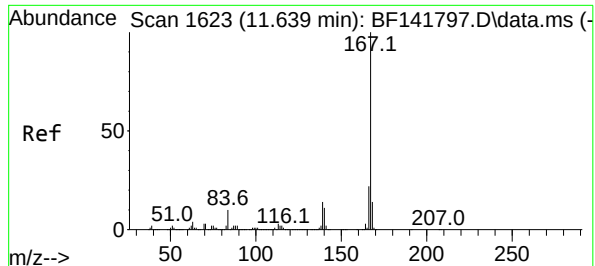
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

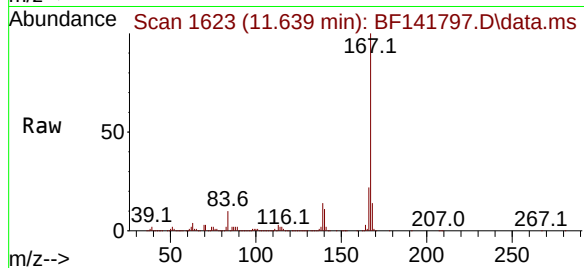
Tgt Ion:178 Resp: 2204147
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.0 12.8 19.2





#73
Carbazole
Concen: 40.358 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

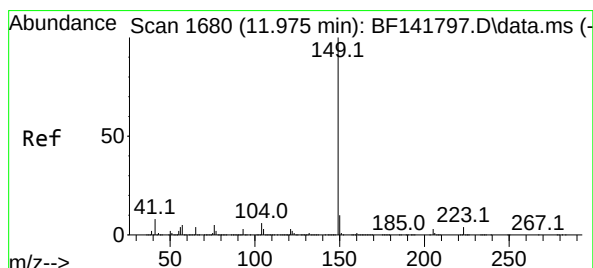
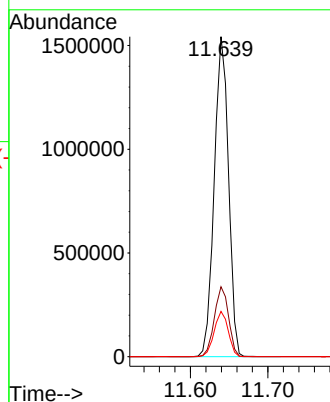
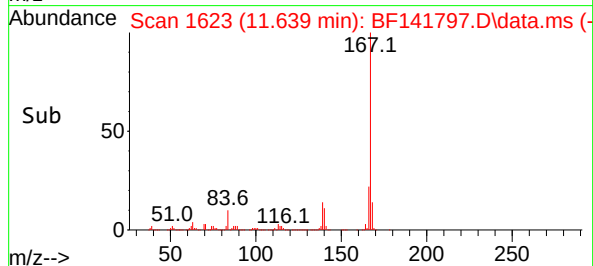
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 197149
Ion Ratio Lower Upper
167 100
166 21.9 17.5 26.3
139 14.1 11.3 16.9

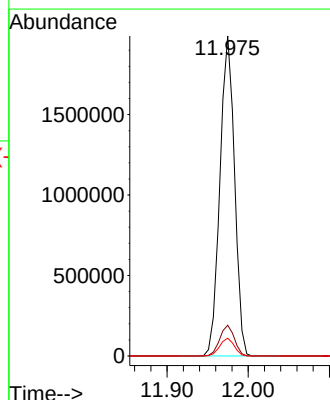
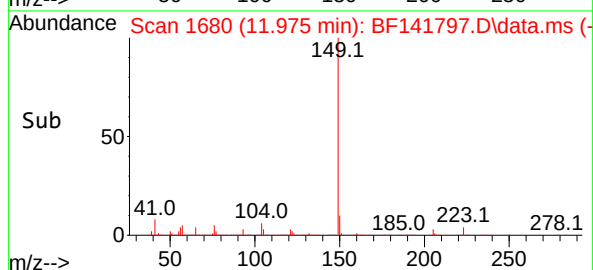
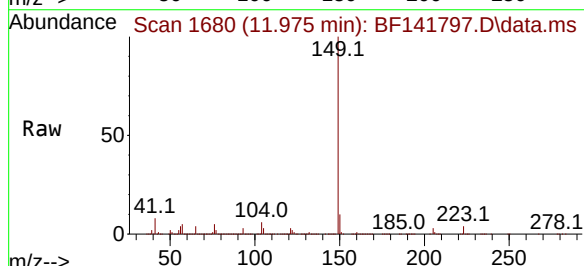
Manual Integrations
APPROVED

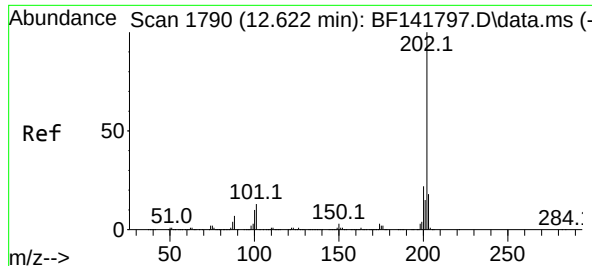
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

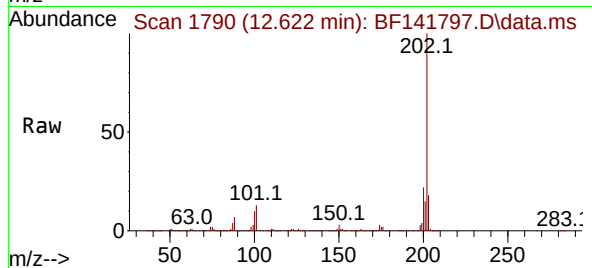
Tgt Ion:149 Resp: 2493783
Ion Ratio Lower Upper
149 100
150 9.6 7.7 11.5
104 5.5 4.4 6.6





#75
Fluoranthene
Concen: 39.753 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

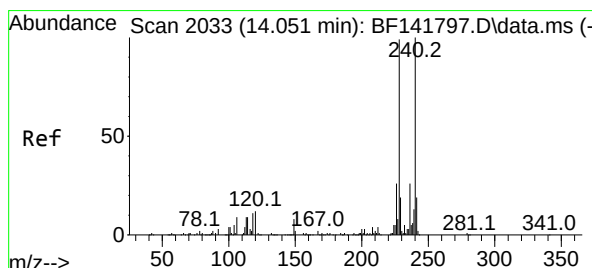
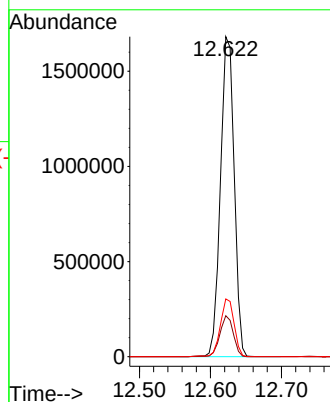
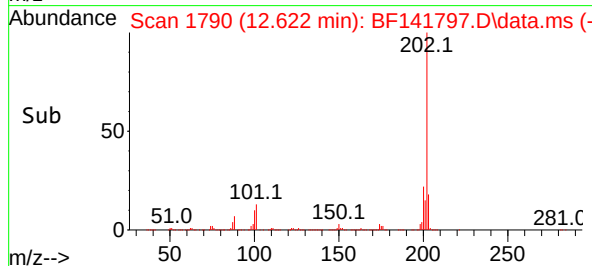
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 2248284
Ion Ratio Lower Upper
202 100
101 12.8 0.0 32.8
203 18.0 0.0 38.0

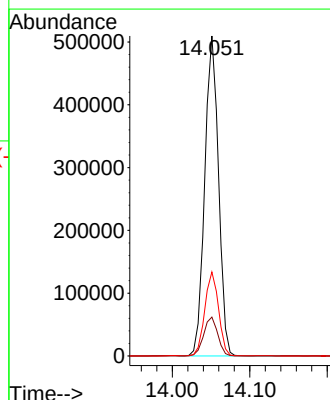
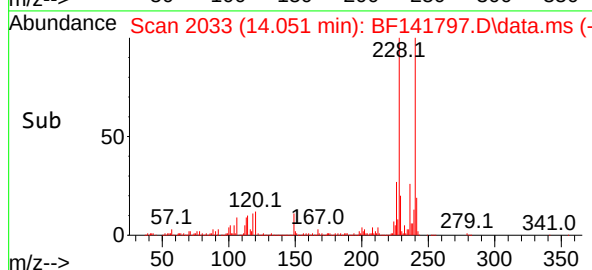
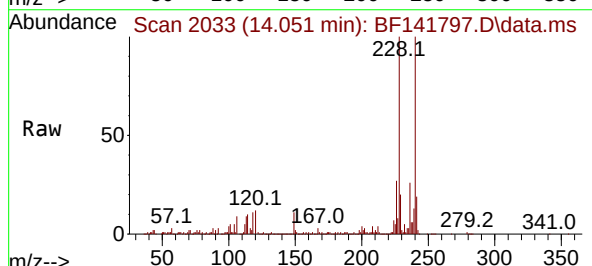
Manual Integrations
APPROVED

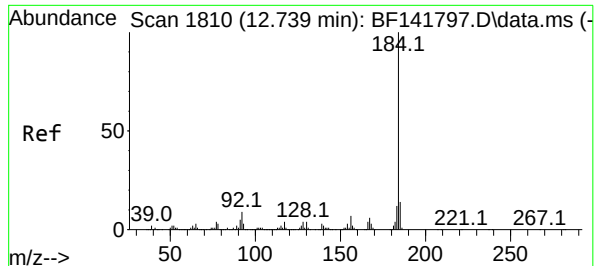
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

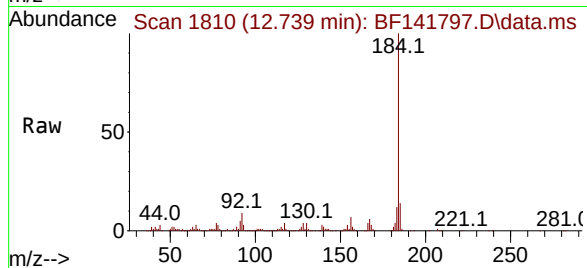
Tgt Ion:240 Resp: 629307
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 26.2 21.0 31.4





#77
Benzidine
Concen: 41.235 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

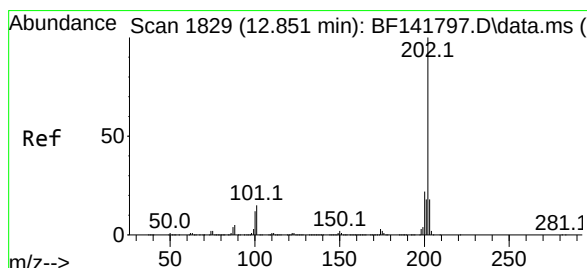
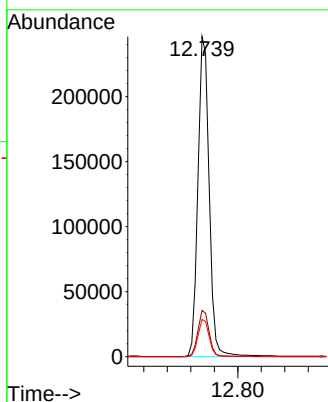
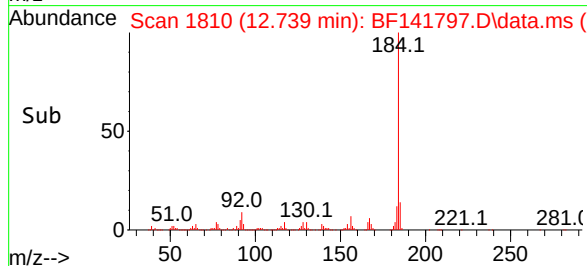
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 326609
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 11.7 9.4 14.0

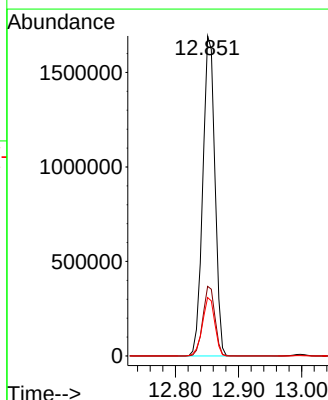
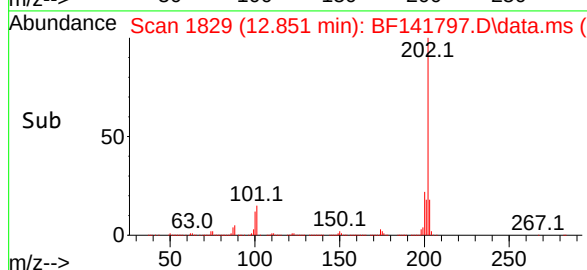
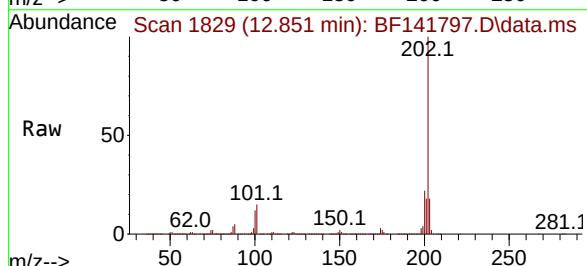
Manual Integrations
APPROVED

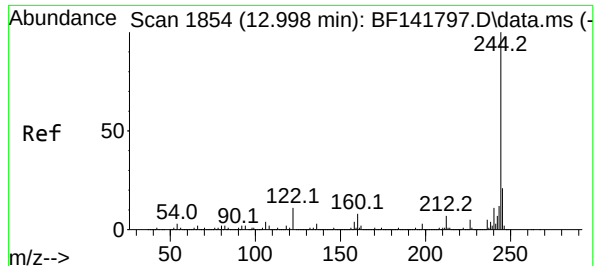
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:202 Resp: 2259888
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.0
203 18.3 14.6 22.0





#79

Terphenyl-d14

Concen: 81.511 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF141797.D

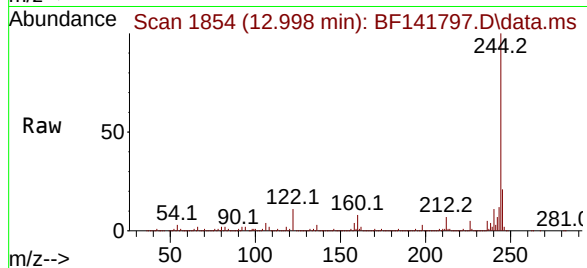
Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:244 Resp: 317044

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

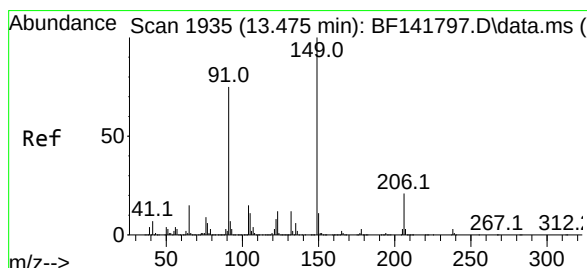
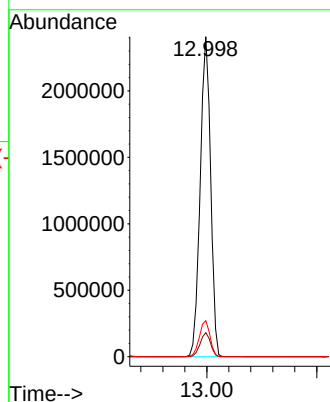
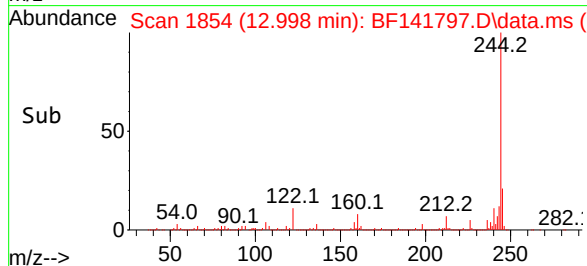
122 11.3 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#80

Butylbenzylphthalate

Concen: 42.452 ng

RT: 13.475 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

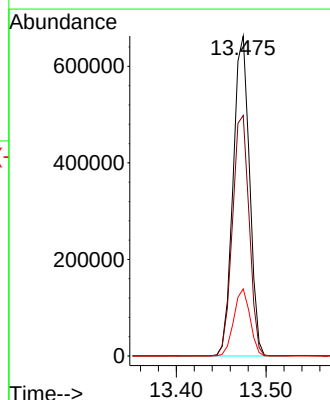
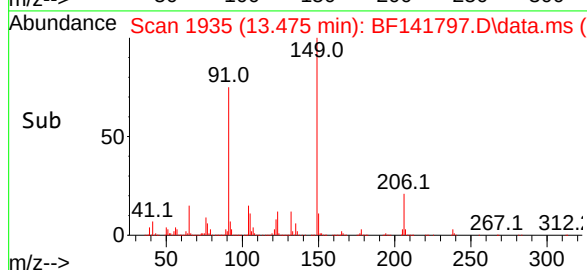
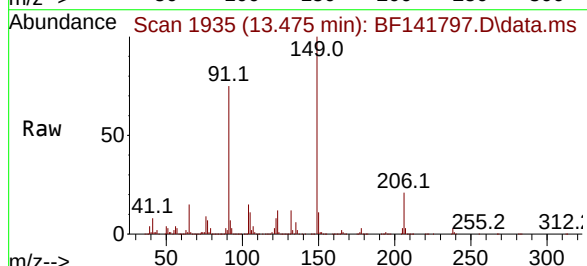
Tgt Ion:149 Resp: 840509

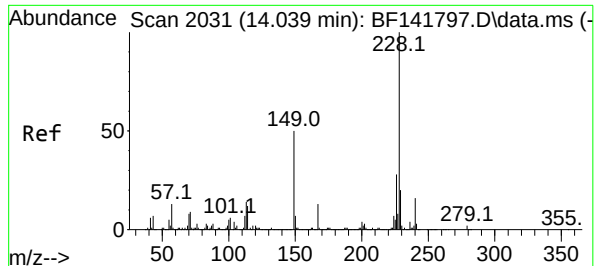
Ion Ratio Lower Upper

149 100

91 75.1 60.1 90.1

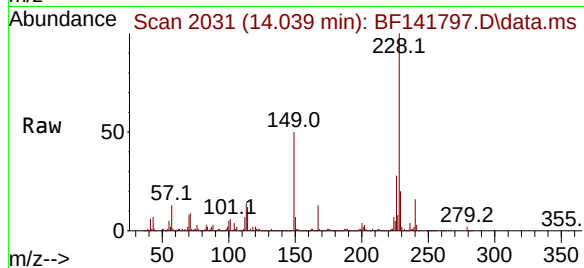
206 21.0 16.8 25.2





#81
Benzo(a)anthracene
Concen: 39.742 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

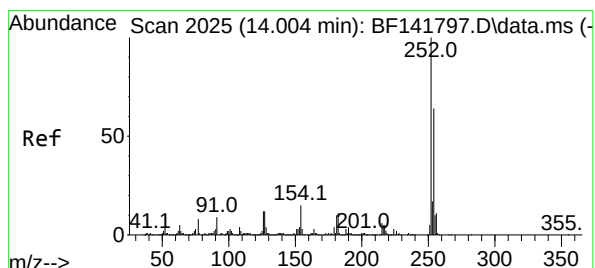
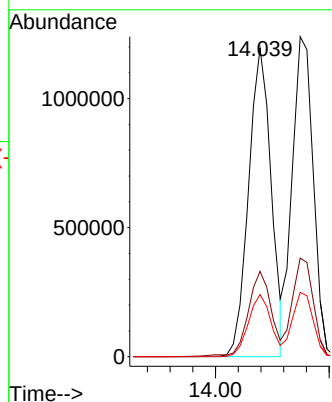
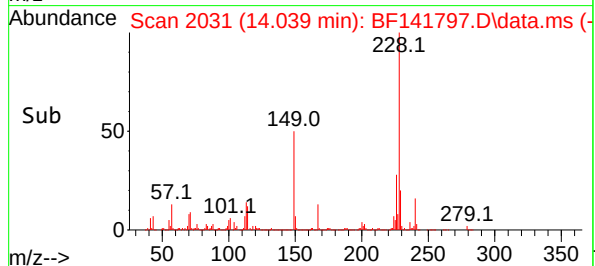
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 1651930
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.1 16.1 24.1

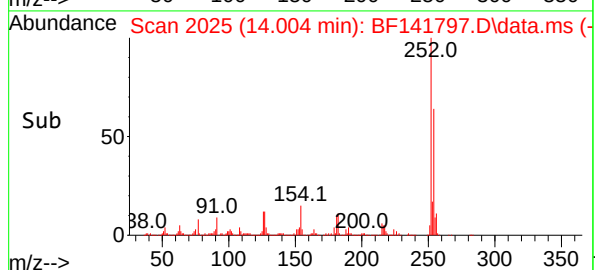
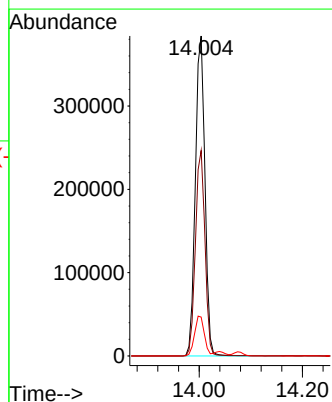
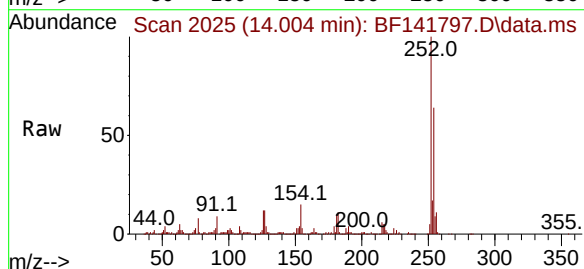
Manual Integrations
APPROVED

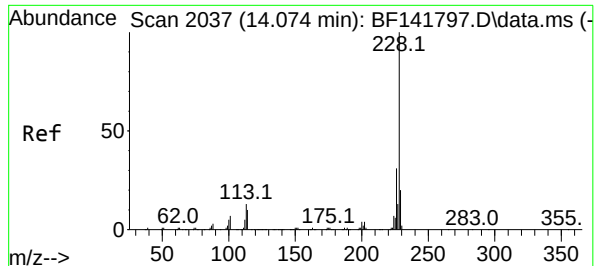
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

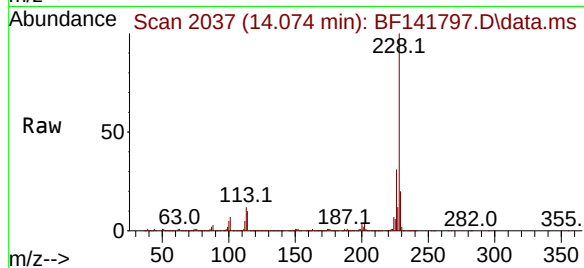
Tgt Ion:252 Resp: 494528
Ion Ratio Lower Upper
252 100
254 64.2 51.4 77.0
126 12.2 9.8 14.6





#83
Chrysene
Concen: 41.543 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

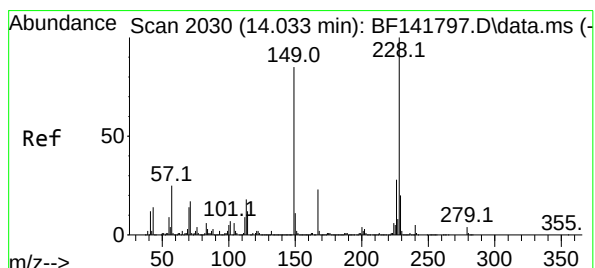
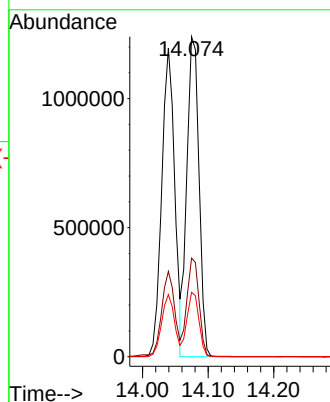
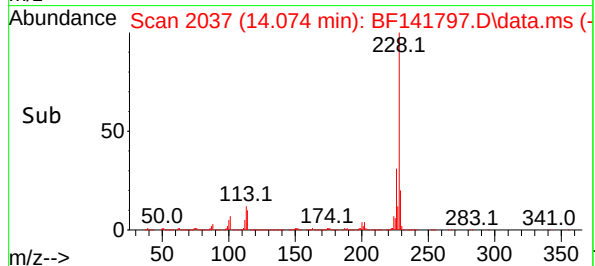
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 159181
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 20.1 16.1 24.1

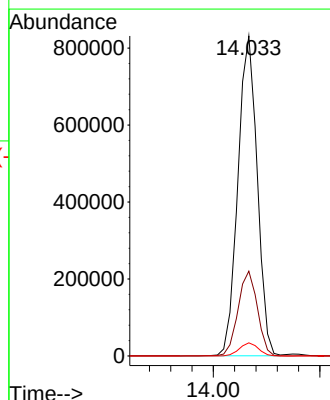
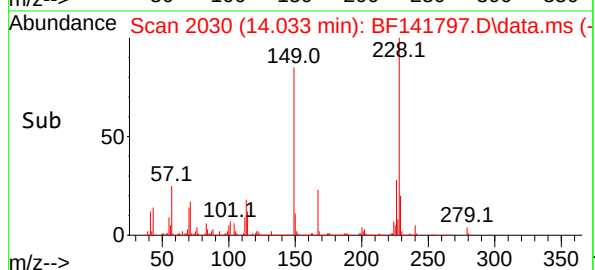
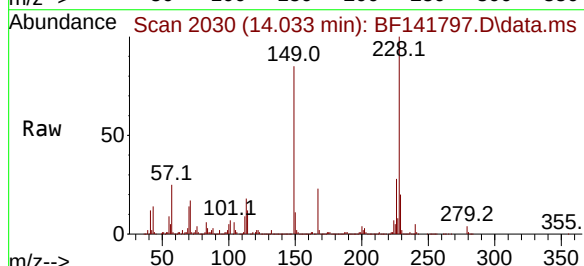
Manual Integrations
APPROVED

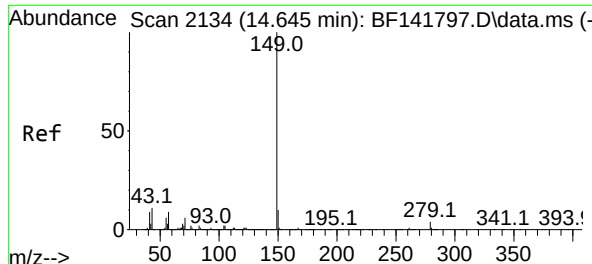
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

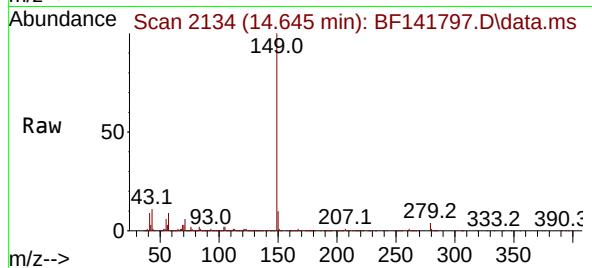
Tgt Ion:149 Resp: 1046693
Ion Ratio Lower Upper
149 100
167 26.5 21.2 31.8
279 4.1 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 44.568 ng
RT: 14.645 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

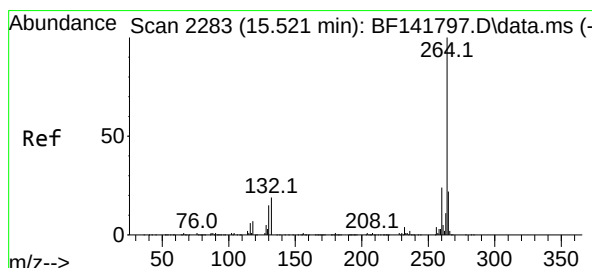
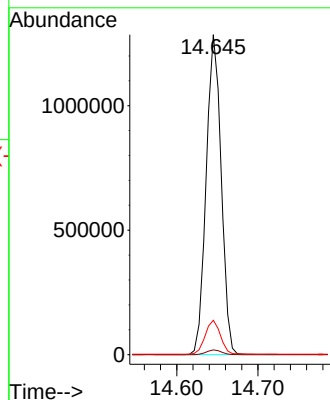
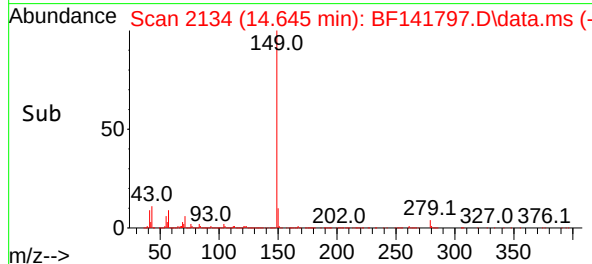
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 164490
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.7 8.6 12.8

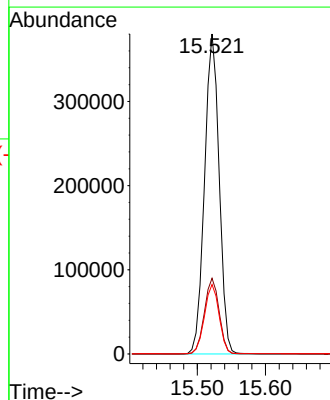
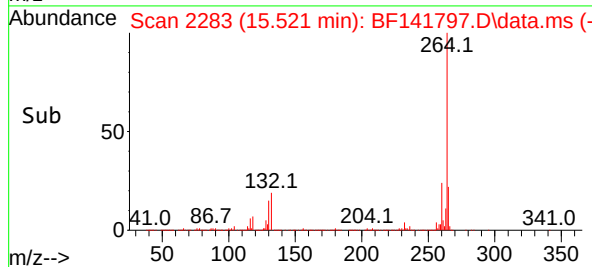
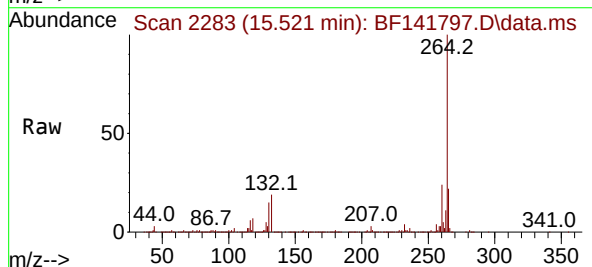
Manual Integrations
APPROVED

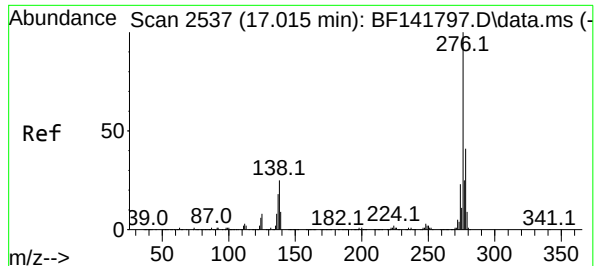
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



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

Tgt Ion:264 Resp: 567240
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.264 ng

RT: 17.015 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 152657

Ion Ratio Lower Upper

276 100

138 28.1 22.5 33.7

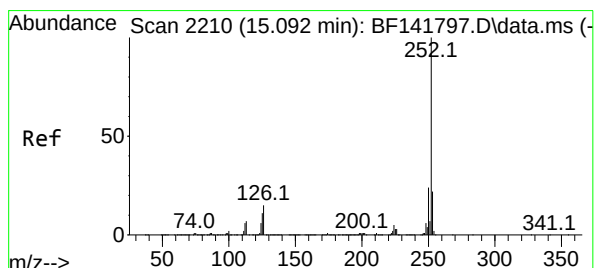
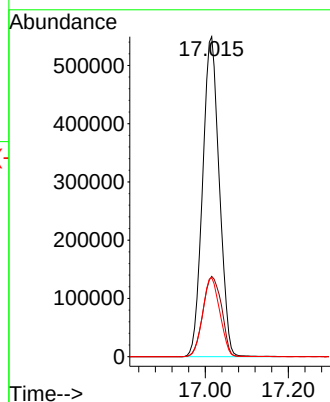
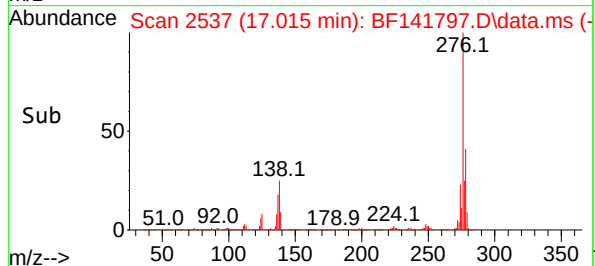
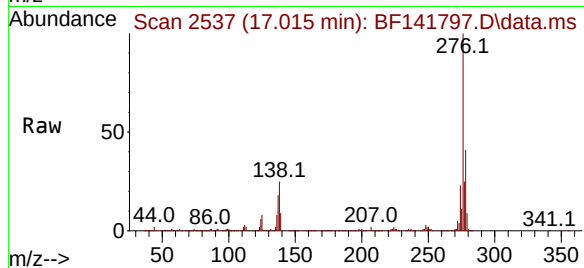
277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#88

Benzo(b)fluoranthene

Concen: 38.353 ng

RT: 15.092 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

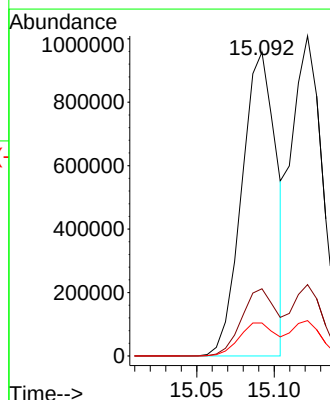
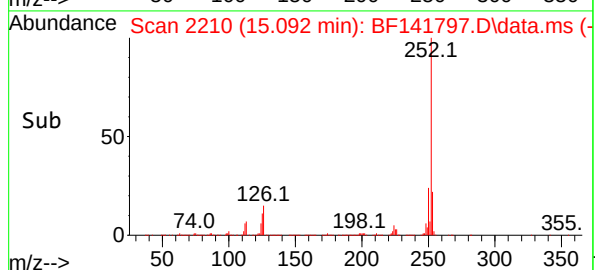
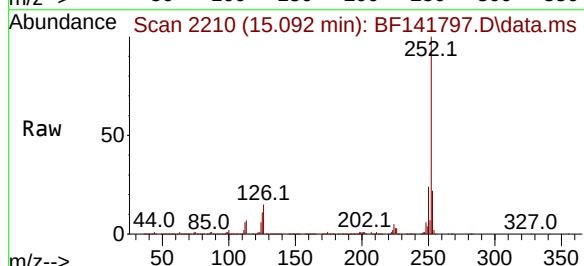
Tgt Ion:252 Resp: 1481931

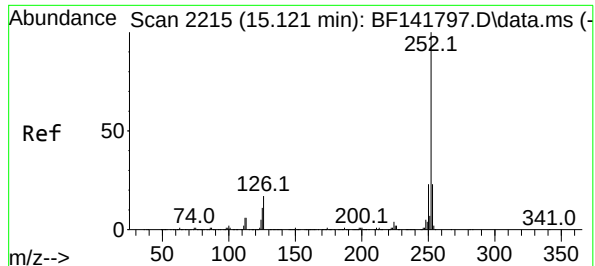
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 41.943 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 1377470

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

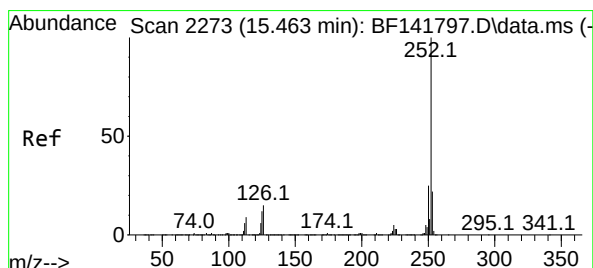
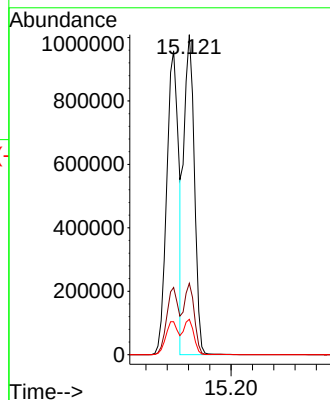
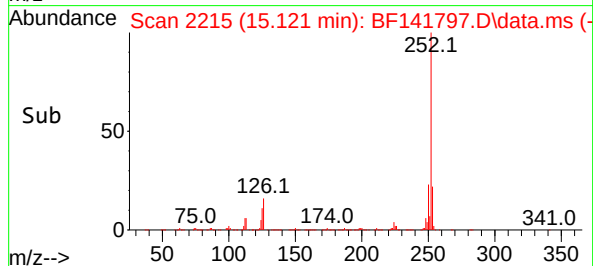
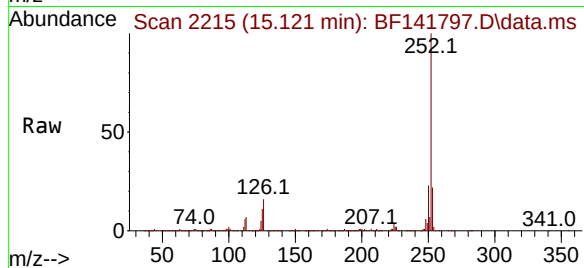
125 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#90

Benzo(a)pyrene

Concen: 40.981 ng

RT: 15.463 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

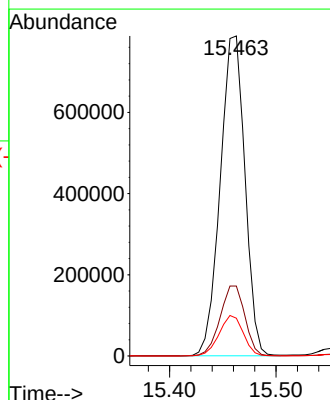
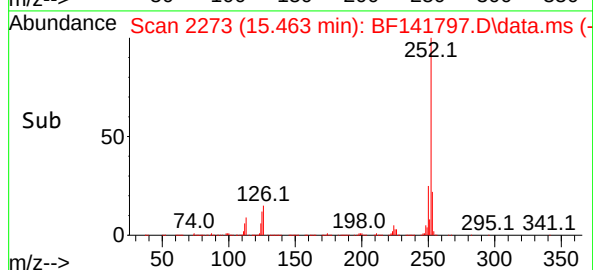
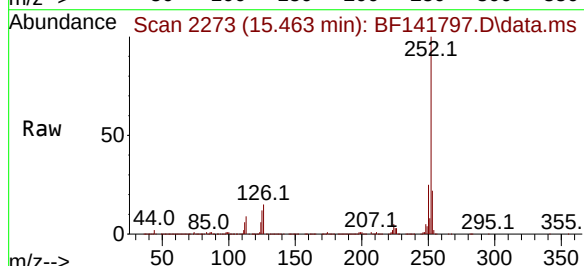
Tgt Ion:252 Resp: 1269914

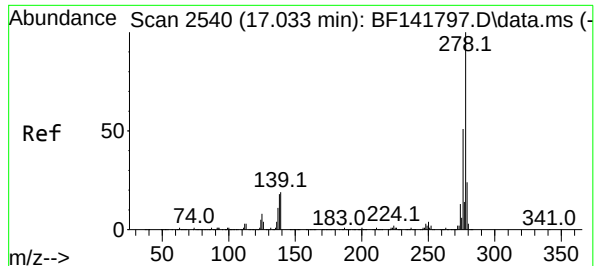
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

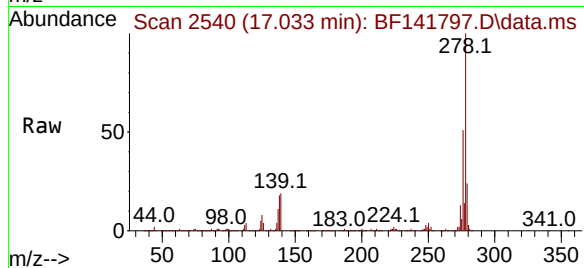
125 11.8 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 42.664 ng
RT: 17.033 min Scan# 2540
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

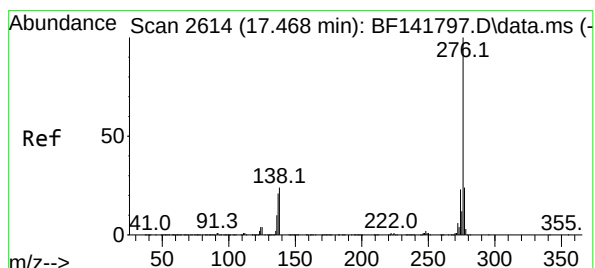
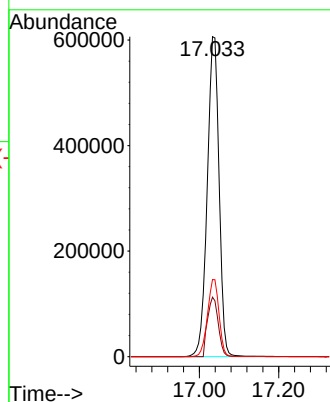
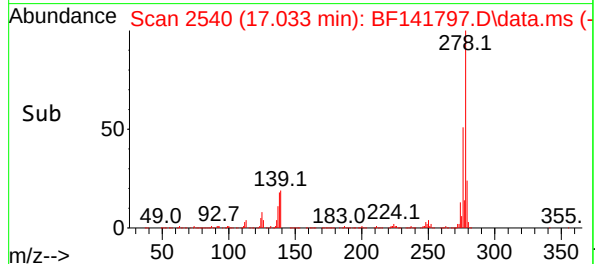
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 278 Resp: 125786
Ion Ratio Lower Upper
278 100
139 18.6 14.9 22.3
279 24.1 19.3 28.9

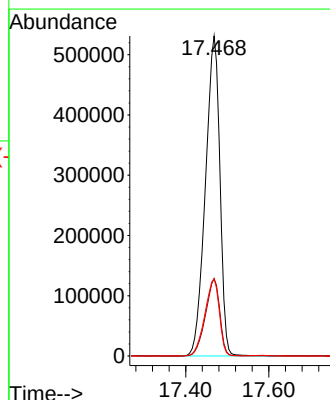
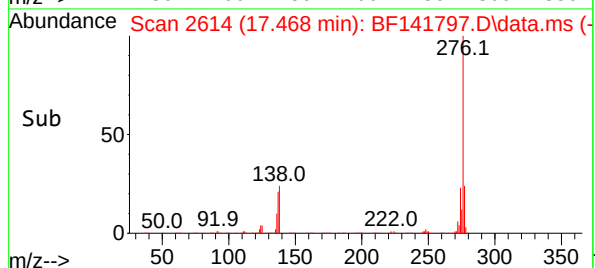
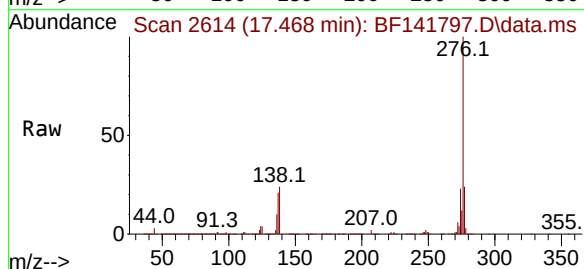
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 42.430 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 276 Resp: 1281590
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 24.1 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141798.D
 Acq On : 27 Feb 2025 17:46
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Feb 28 01:26:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	294968	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1175652	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	632437	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1007266	20.000	ng	0.00
76) Chrysene-d12	14.051	240	571903	20.000	ng	0.00
86) Perylene-d12	15.521	264	520644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1747157	94.593	ng	0.00
7) Phenol-d6	6.510	99	2273216	94.557	ng	0.00
23) Nitrobenzene-d5	7.457	82	1953916	106.234	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	580093	97.701	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	3566962	90.435	ng	0.00
79) Terphenyl-d14	12.998	244	3516535	99.483	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	401754	47.937	ng	99
3) Pyridine	3.451	79	1017692	48.805	ng	99
4) n-Nitrosodimethylamine	3.404	42	497063	49.541	ng	99
6) Aniline	6.557	93	1210646	48.702	ng	100
8) 2-Chlorophenol	6.675	128	957860	47.940	ng	99
9) Benzaldehyde	6.440	77	644844	46.113	ng	99
10) Phenol	6.528	94	1210418	47.257	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	943249	48.169	ng	99
12) 1,3-Dichlorobenzene	6.834	146	1016156	47.489	ng	99
13) 1,4-Dichlorobenzene	6.910	146	1024761	47.531	ng	100
14) 1,2-Dichlorobenzene	7.063	146	948038	47.090	ng	99
15) Benzyl Alcohol	7.028	79	927459	48.272	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1423138	47.854	ng	100
17) 2-Methylphenol	7.134	107	795600	48.240	ng	99
18) Hexachloroethane	7.404	117	393322	48.741	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	744192	47.090	ng	99
20) 3+4-Methylphenols	7.292	107	961623	46.825	ng	# 87
22) Acetophenone	7.298	105	1339971	46.798	ng	97
24) Nitrobenzene	7.475	77	1025625	52.073	ng	99
25) Isophorone	7.716	82	1886546	47.744	ng	99
26) 2-Nitrophenol	7.786	139	425765	48.354	ng	99
27) 2,4-Dimethylphenol	7.816	122	698393	48.082	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	1186179	47.060	ng	100
29) 2,4-Dichlorophenol	8.022	162	813150	48.527	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	875703	47.693	ng	99
31) Naphthalene	8.192	128	2820879	46.685	ng	100
32) Benzoic acid	7.945	122	587574	48.392	ng	99
33) 4-Chloroaniline	8.239	127	1028715	46.432	ng	99
34) Hexachlorobutadiene	8.310	225	551683	48.351	ng	99
35) Caprolactam	8.622	113	248725	48.241	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	880725	47.314	ng	99
37) 2-Methylnaphthalene	8.886	142	1825639	46.064	ng	99
38) 1-Methylnaphthalene	8.986	142	1745465	45.899	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	868619	47.555	ng	100
41) Hexachlorocyclopentadiene	9.039	237	388222	50.930	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	578263	49.010	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141798.D
 Acq On : 27 Feb 2025 17:46
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Feb 28 01:26:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration

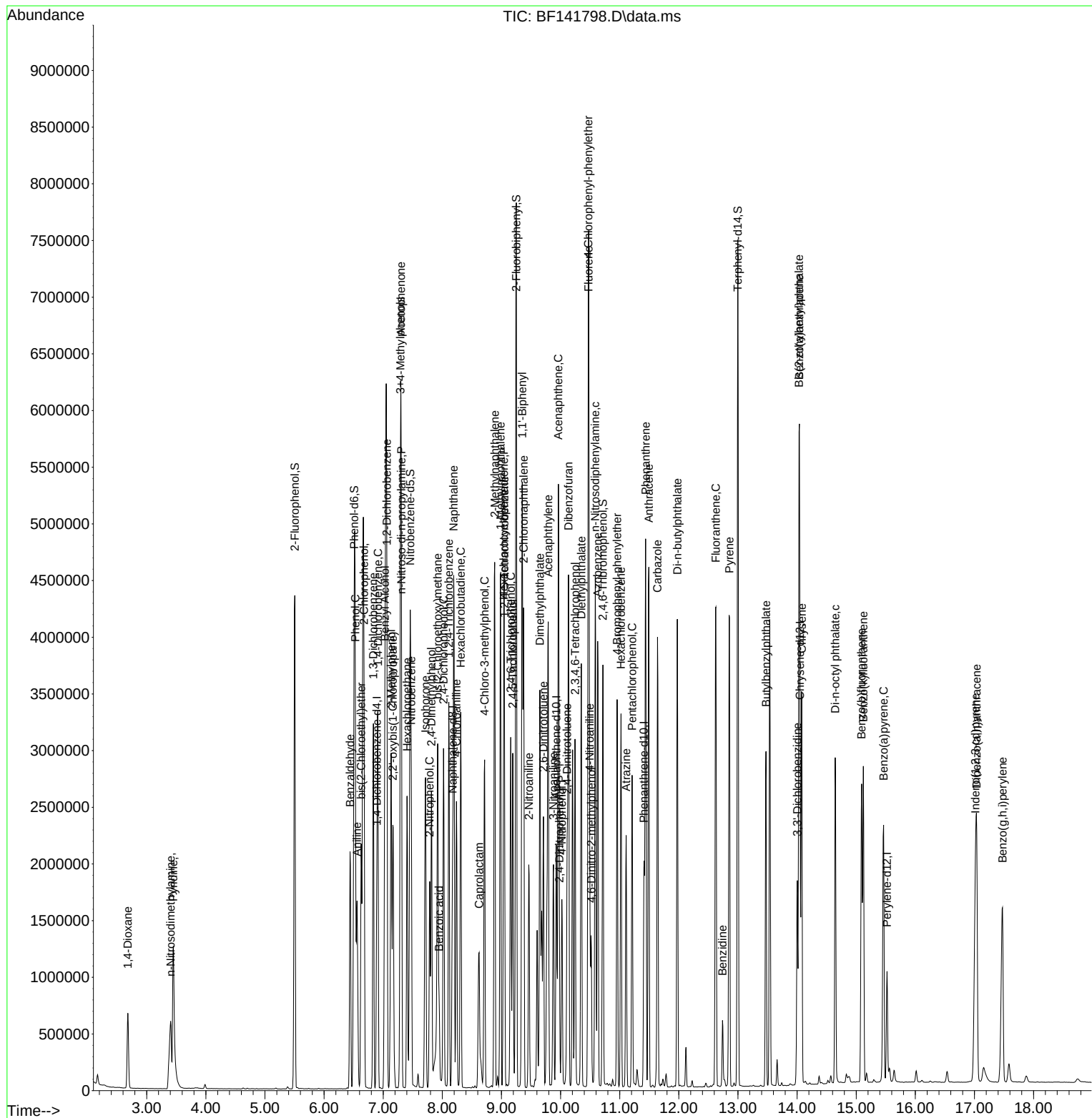
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	574978	49.213	ng	100
46) 1,1'-Biphenyl	9.351	154	2234592	46.420	ng	100
47) 2-Chloronaphthalene	9.375	162	1672555	47.075	ng	99
48) 2-Nitroaniline	9.463	65	469075	48.211	ng	98
49) Acenaphthylene	9.792	152	2466104	46.294	ng	99
50) Dimethylphthalate	9.651	163	1994958	47.103	ng	100
51) 2,6-Dinitrotoluene	9.710	165	396873	48.926	ng	99
52) Acenaphthene	9.963	154	1689163	46.994	ng	100
53) 3-Nitroaniline	9.880	138	417015	48.300	ng	97
54) 2,4-Dinitrophenol	9.980	184	151706	48.388	ng	# 8
55) Dibenzofuran	10.133	168	2422882	46.312	ng	100
56) 4-Nitrophenol	10.022	139	340020	54.357	ng	98
57) 2,4-Dinitrotoluene	10.110	165	490028	49.405	ng	100
58) Fluorene	10.475	166	1783757	45.518	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	489160	48.140	ng	97
60) Diethylphthalate	10.351	149	1991111	46.896	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	904835	46.084	ng	99
62) 4-Nitroaniline	10.492	138	391399	54.114	ng	98
63) Azobenzene	10.627	77	2087153	46.687	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	227493	47.968	ng	95
66) n-Nitrosodiphenylamine	10.586	169	1588976	48.041	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	572161	48.631	ng	100
68) Hexachlorobenzene	11.022	284	605103	48.705	ng	99
69) Atrazine	11.110	200	374540	41.179	ng	99
70) Pentachlorophenol	11.210	266	400352	50.809	ng	100
71) Phenanthrene	11.439	178	2521849	46.806	ng	99
72) Anthracene	11.492	178	2522132	46.707	ng	100
73) Carbazole	11.639	167	2220778	46.572	ng	100
74) Di-n-butylphthalate	11.974	149	2839813	46.982	ng	100
75) Fluoranthene	12.627	202	2499217	45.269	ng	99
77) Benzidine	12.739	184	305582	42.453	ng	99
78) Pyrene	12.857	202	2484995	50.178	ng	100
80) Butylbenzylphthalate	13.474	149	929464	51.657	ng	99
81) Benzo(a)anthracene	14.039	228	1777948	47.067	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	520451	48.021	ng	99
83) Chrysene	14.080	228	1694396	48.659	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1159761	51.766	ng	100
85) Di-n-octyl phthalate	14.645	149	1865081	55.606	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	1740850	52.510	ng	100
88) Benzo(b)fluoranthene	15.092	252	1603729	45.220	ng	100
89) Benzo(k)fluoranthene	15.121	252	1516995	50.326	ng	100
90) Benzo(a)pyrene	15.462	252	1379319	48.495	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	1423862	52.616	ng	99
92) Benzo(g,h,i)perylene	17.474	276	1469480	53.005	ng	99

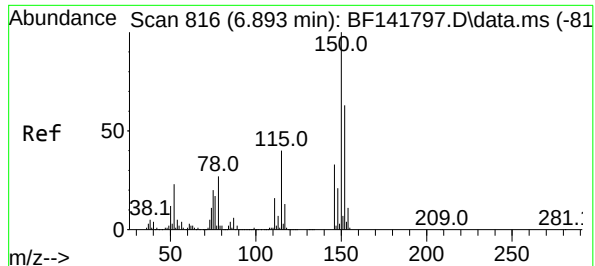
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141798.D
 Acq On : 27 Feb 2025 17:46
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

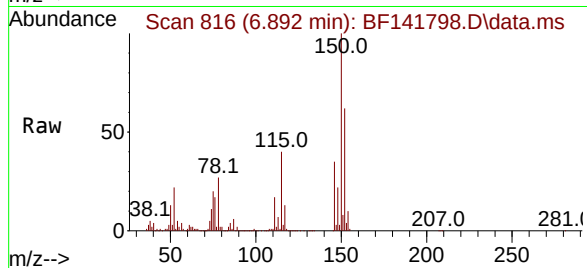
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration



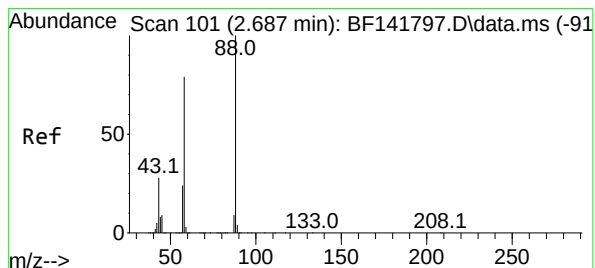
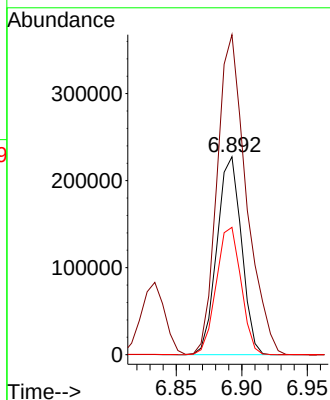
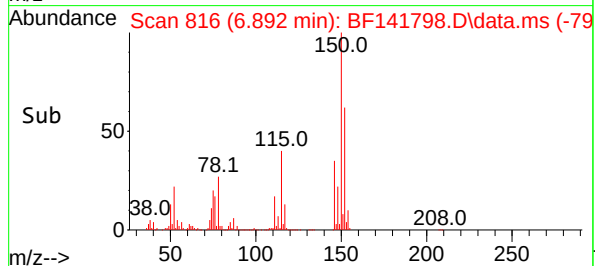


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

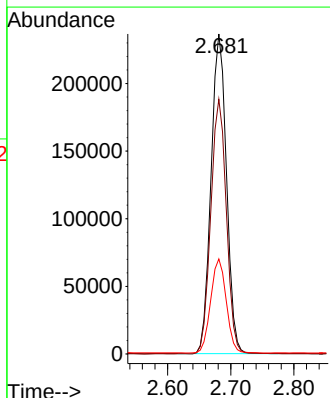
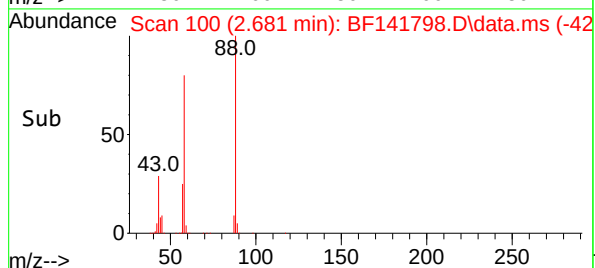
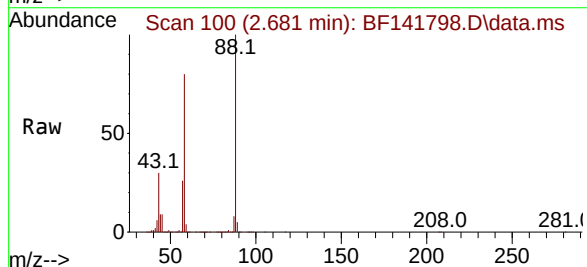


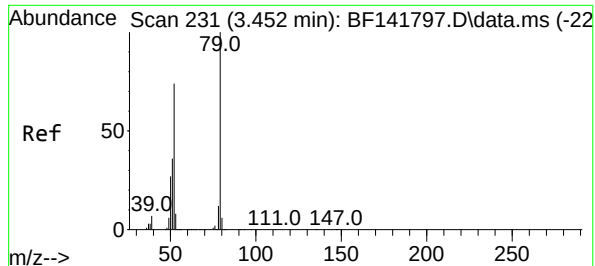
Tgt Ion:152 Resp: 294968
Ion Ratio Lower Upper
152 100
150 161.7 127.5 191.3
115 64.3 51.4 77.2



#2
1,4-Dioxane
Concen: 47.937 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 88 Resp: 401754
Ion Ratio Lower Upper
88 100
58 80.2 63.9 95.9
43 29.6 23.0 34.6





#3

Pyridine

Concen: 48.805 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

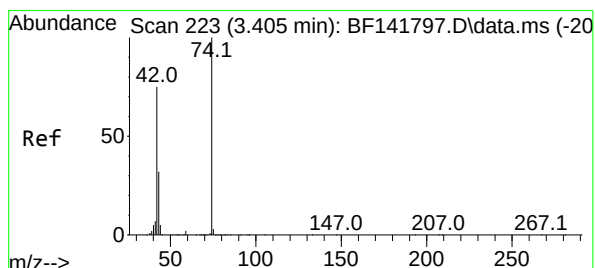
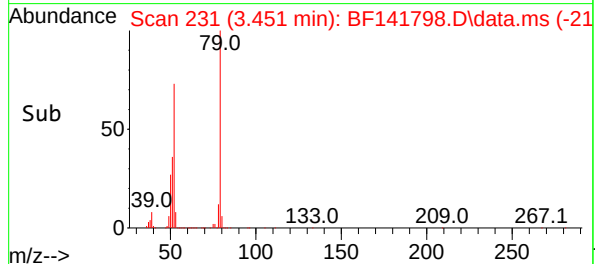
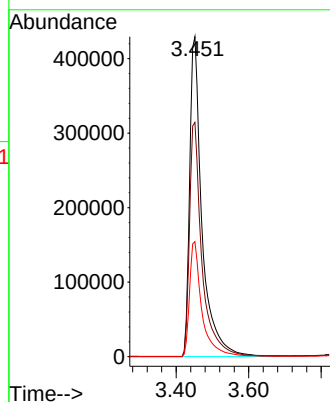
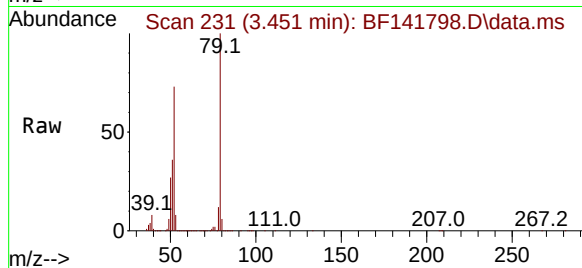
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 1017692

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



#4

n-Nitrosodimethylamine

Concen: 49.541 ng

RT: 3.404 min Scan# 223

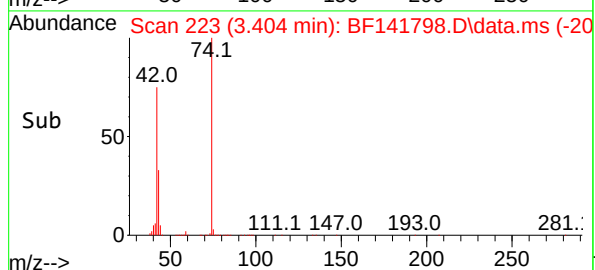
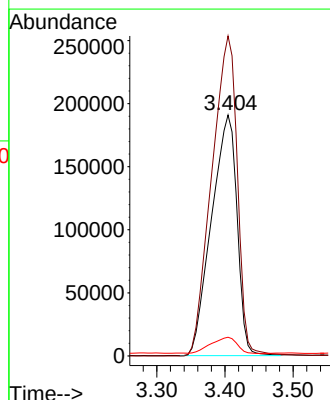
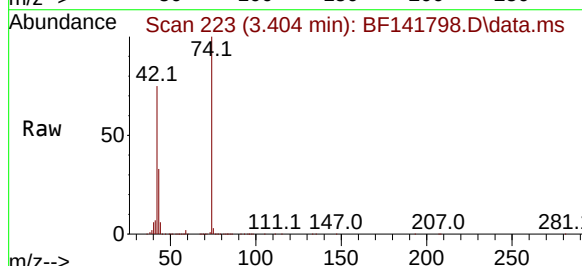
Delta R.T. -0.000 min

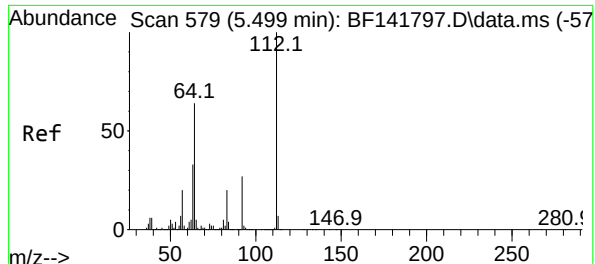
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 42 Resp: 497063

Ion	Ratio	Lower	Upper
42	100		
74	132.8	107.1	160.7
44	7.7	6.6	9.8

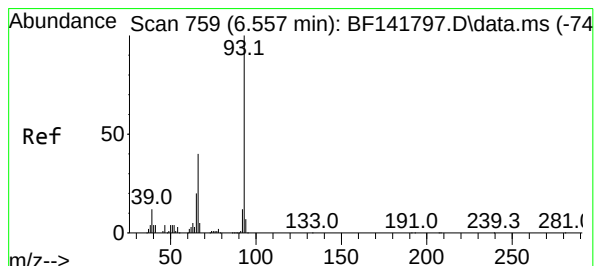
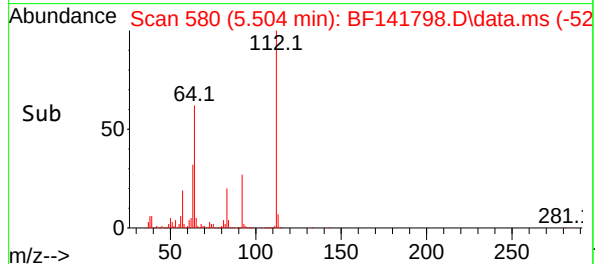
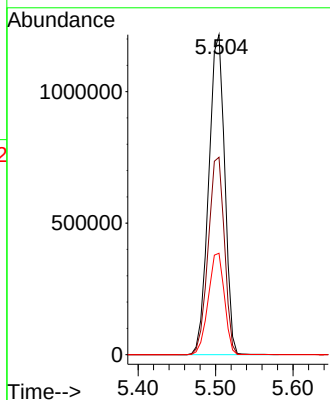
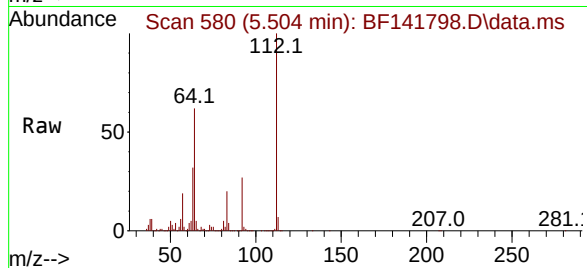




#5
2-Fluorophenol
Concen: 94.593 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

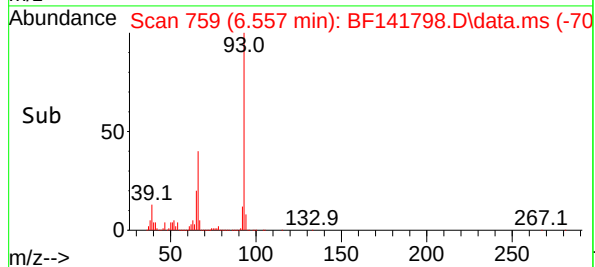
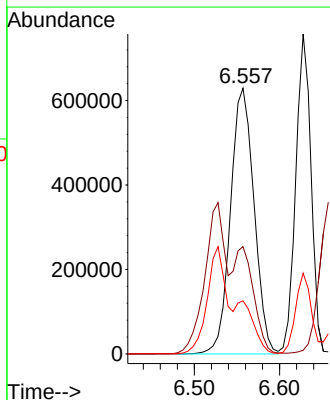
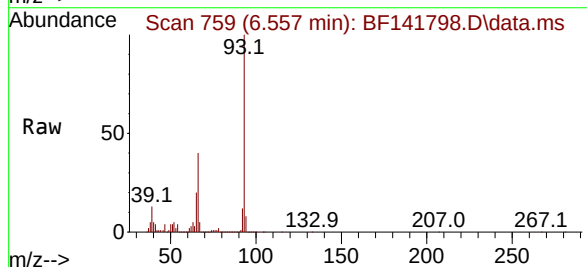
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

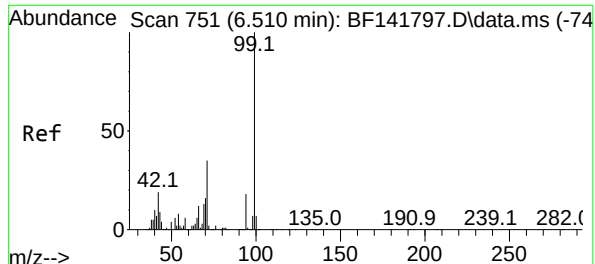
Tgt Ion:112 Resp: 1747157
Ion Ratio Lower Upper
112 100
64 61.7 51.3 76.9
63 31.7 26.2 39.4



#6
Aniline
Concen: 48.702 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 93 Resp: 1210646
Ion Ratio Lower Upper
93 100
66 40.4 32.3 48.5
65 20.0 15.9 23.9





#7

Phenol-d6

Concen: 94.557 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

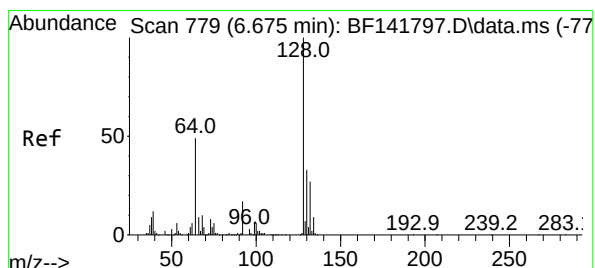
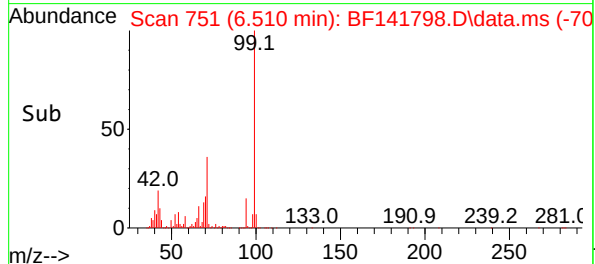
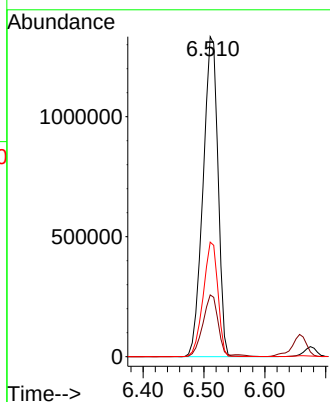
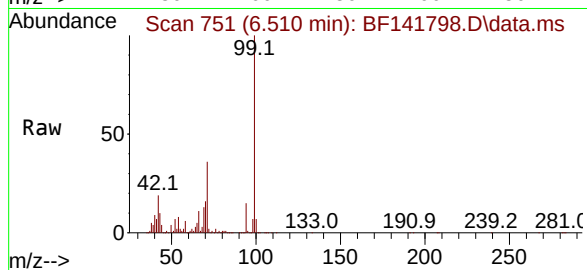
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 2273216

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.2	22.8
71	35.8	28.2	42.2



#8

2-Chlorophenol

Concen: 47.940 ng

RT: 6.675 min Scan# 779

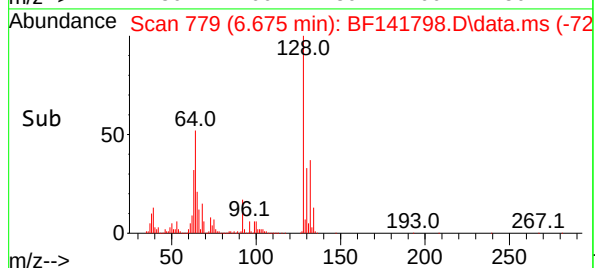
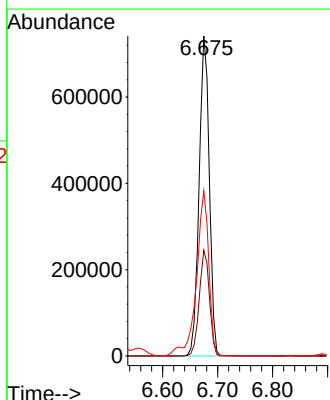
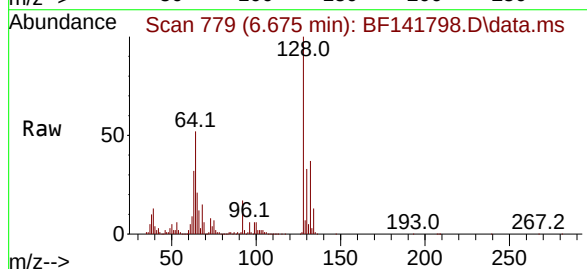
Delta R.T. -0.000 min

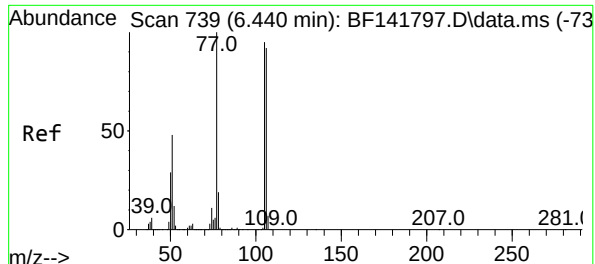
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 128 Resp: 957860

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	51.6	31.1	71.1

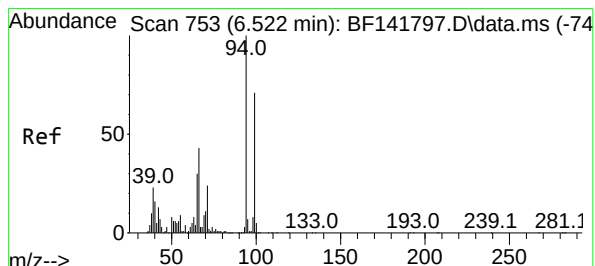
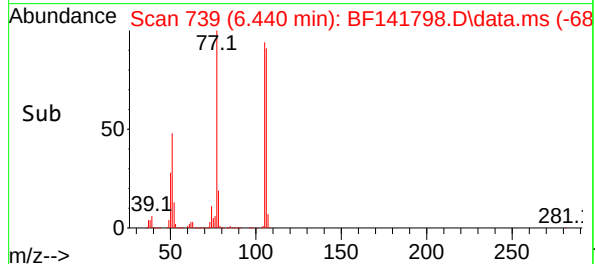
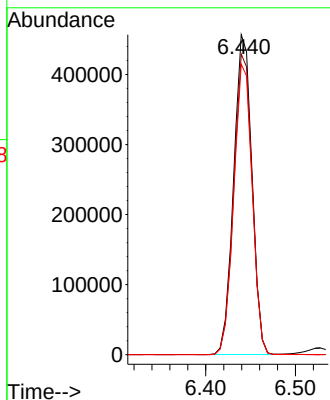
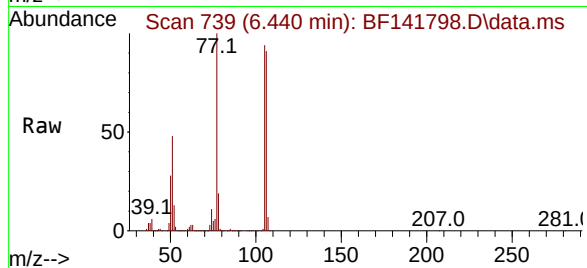




#9
Benzaldehyde
Concen: 46.113 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

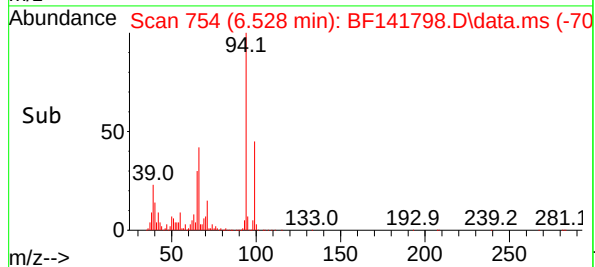
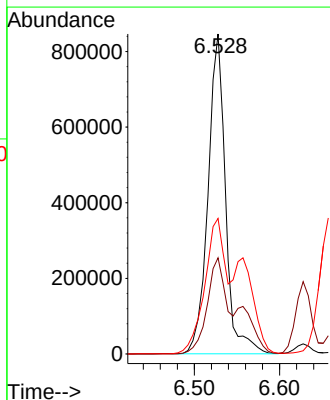
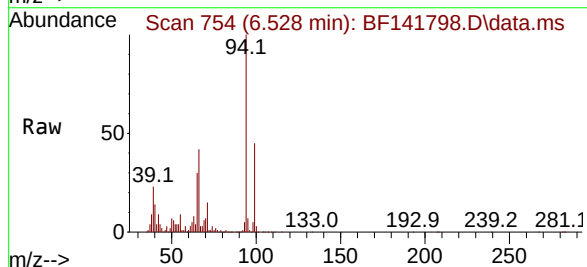
Instrument :
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ClientSampleId :
SSTDIC050

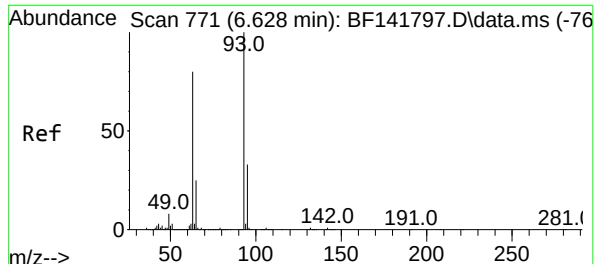
Tgt Ion: 77 Resp: 644844
Ion Ratio Lower Upper
77 100
105 93.9 75.3 115.3
106 90.8 72.3 112.3



#10
Phenol
Concen: 47.257 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 94 Resp: 1210418
Ion Ratio Lower Upper
94 100
65 30.0 10.2 50.2
66 42.3 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 48.169 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

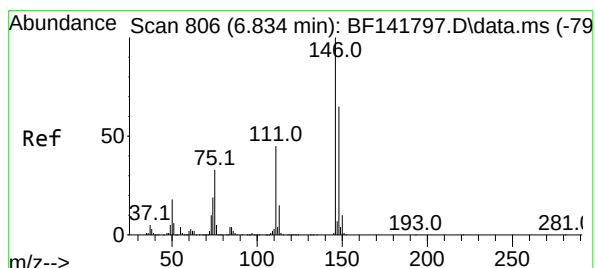
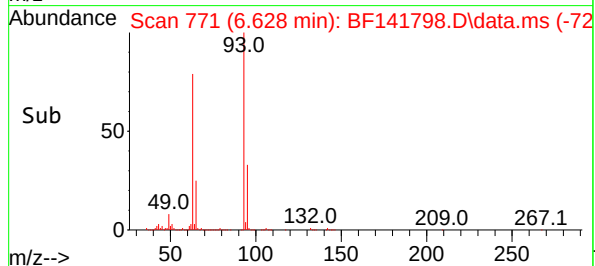
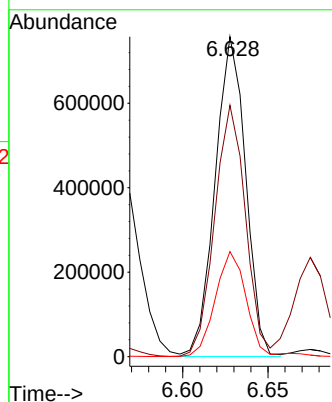
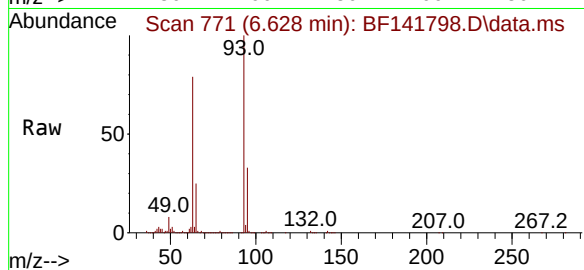
Tgt Ion: 93 Resp: 943249

Ion Ratio Lower Upper

93 100

63 78.6 59.3 99.3

95 32.9 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 47.489 ng

RT: 6.834 min Scan# 806

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

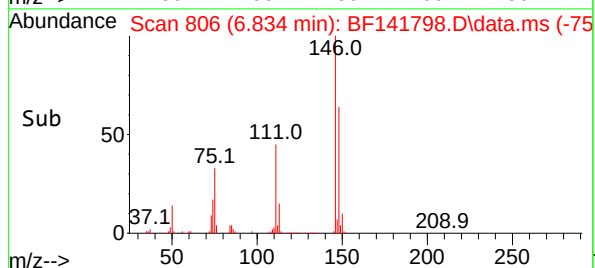
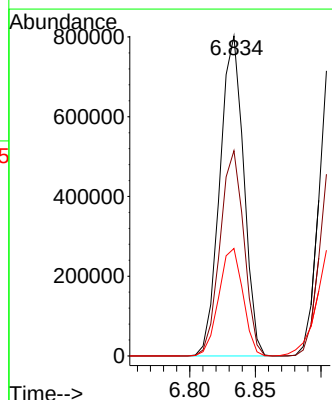
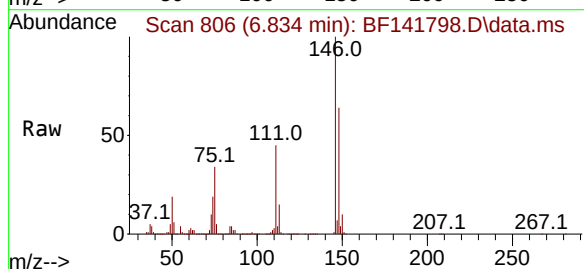
Tgt Ion:146 Resp: 1016156

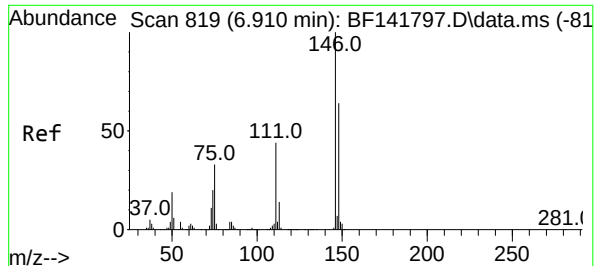
Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.6

75 33.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 47.531 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

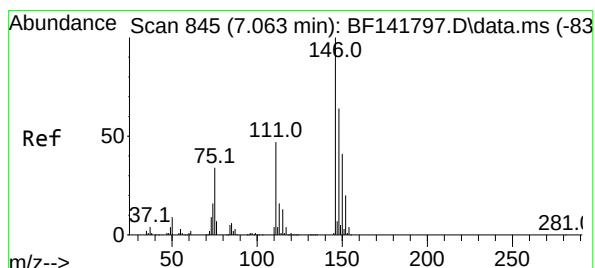
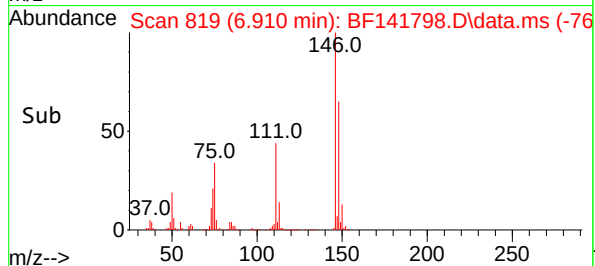
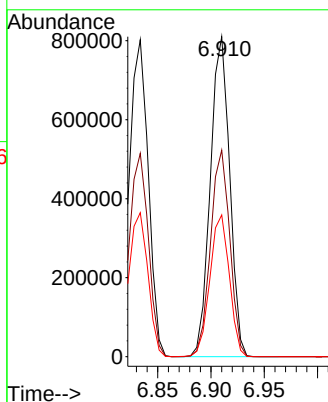
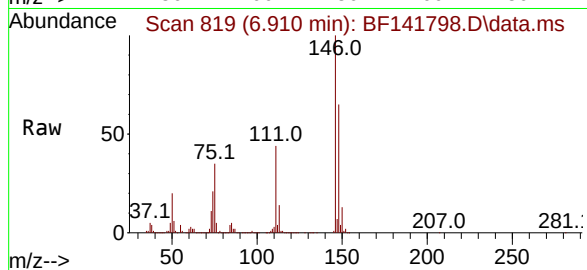
Tgt Ion:146 Resp: 1024761

Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.2

111 44.3 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 47.090 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

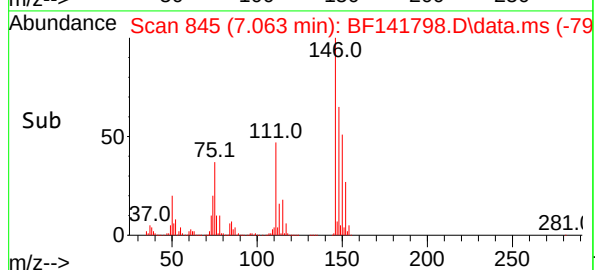
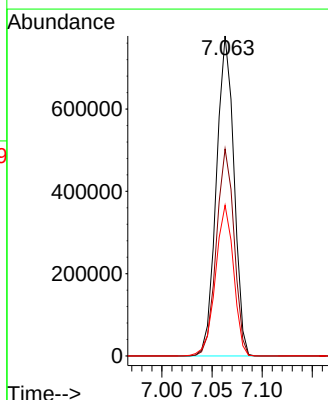
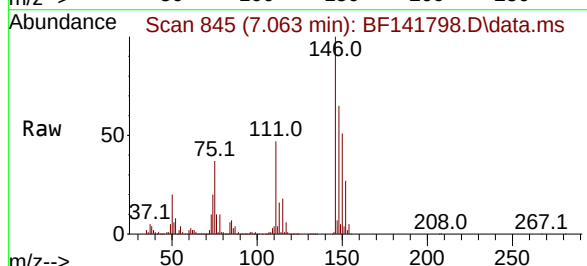
Tgt Ion:146 Resp: 948038

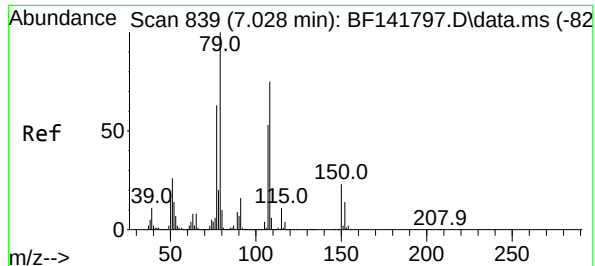
Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

111 47.1 37.8 56.6

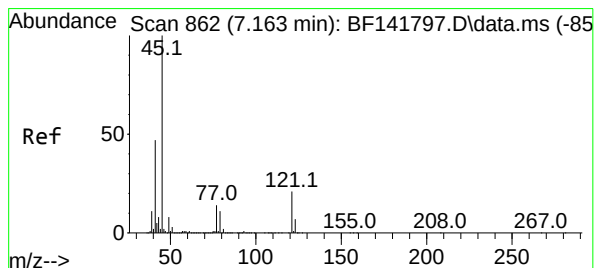
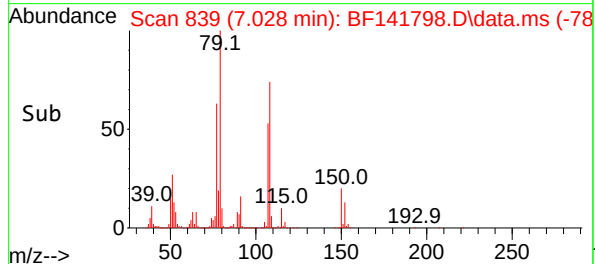
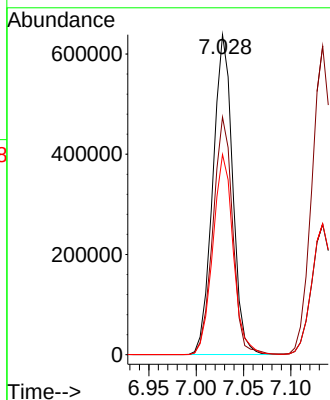
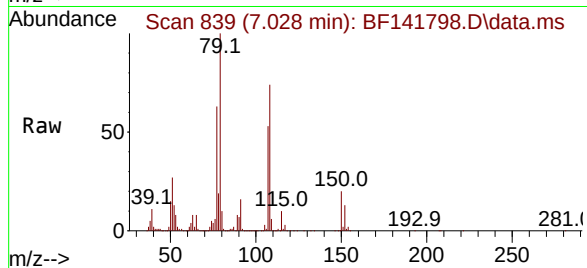




#15
Benzyl Alcohol
Concen: 48.272 ng
RT: 7.028 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

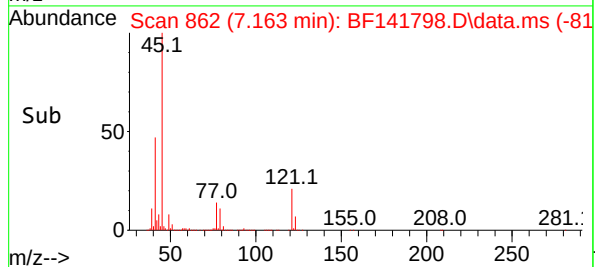
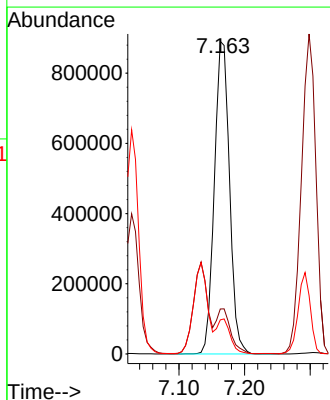
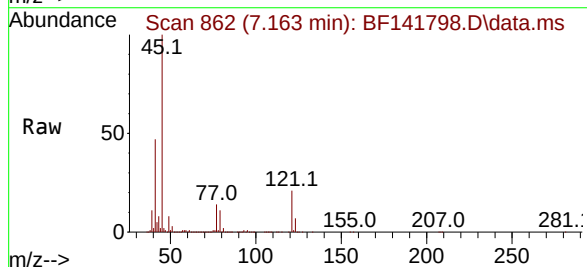
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

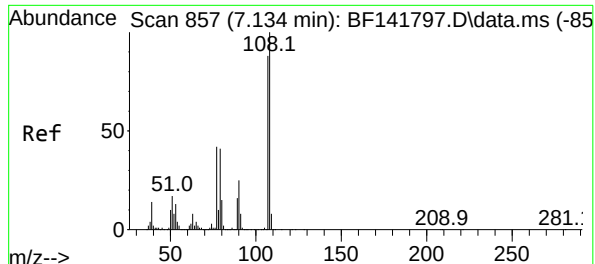
Tgt Ion: 79 Resp: 927459
Ion Ratio Lower Upper
79 100
108 74.2 60.2 90.2
77 62.6 50.2 75.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 47.854 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 45 Resp: 1423138
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.4
79 10.9 0.0 30.9





#17

2-Methylphenol

Concen: 48.240 ng

RT: 7.134 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

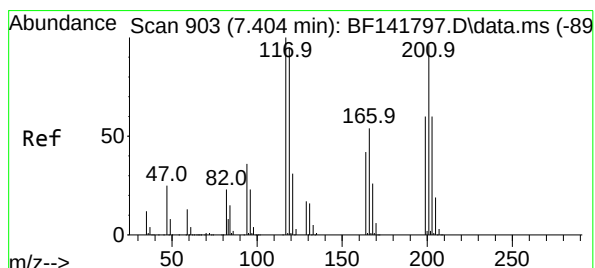
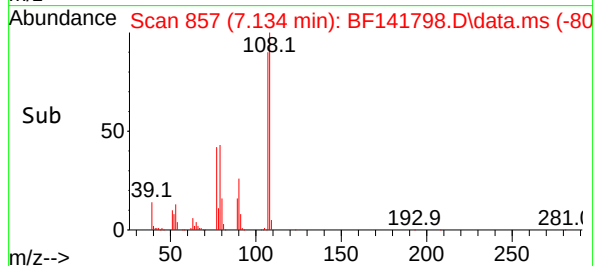
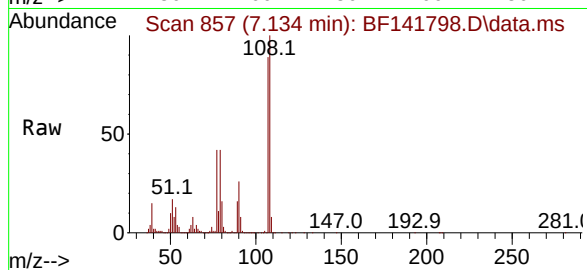
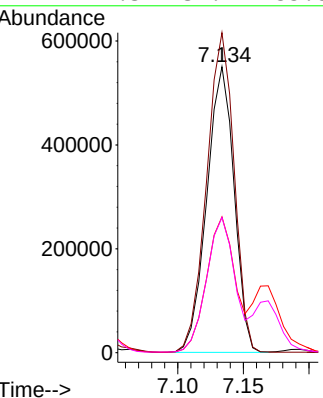
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 795600

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.6	135.8
77	47.5	37.7	56.5
79	47.3	37.2	55.8



#18

Hexachloroethane

Concen: 48.741 ng

RT: 7.404 min Scan# 903

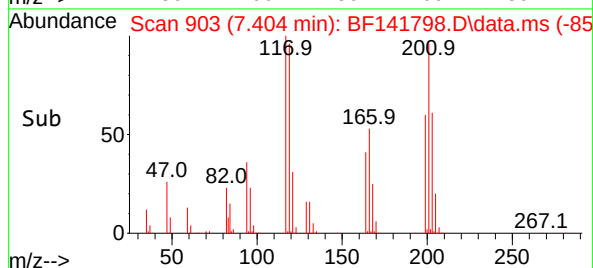
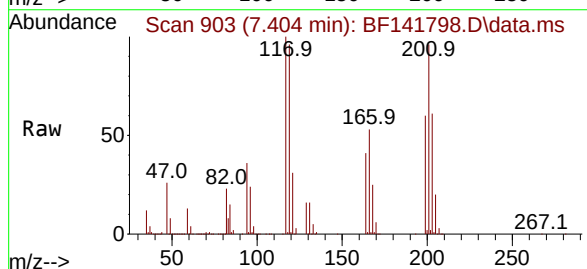
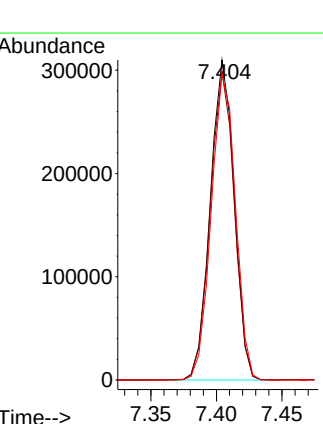
Delta R.T. -0.000 min

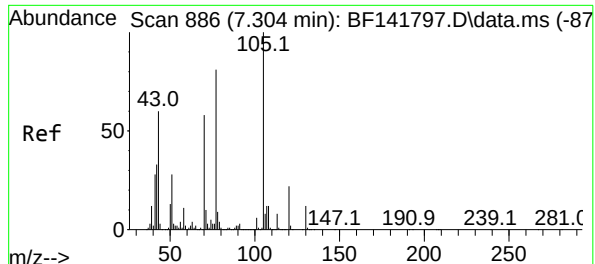
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:117 Resp: 393322

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	95.6	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 47.090 ng

RT: 7.310 min Scan# 887

Delta R.T. 0.006 min

Lab File: BF141798.D

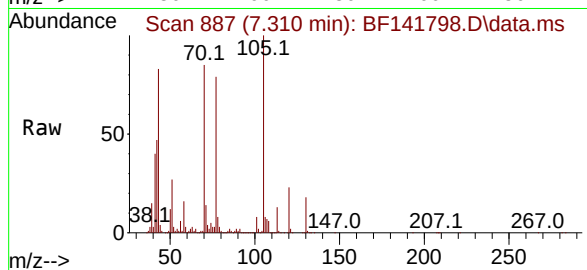
Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 744192

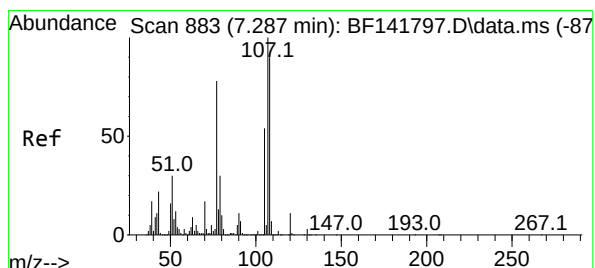
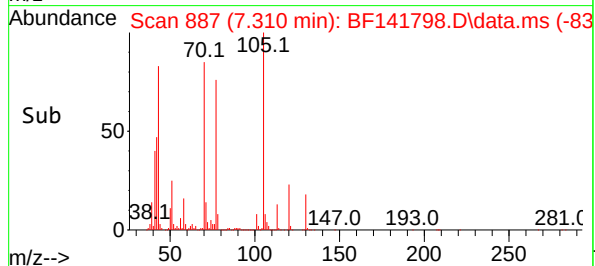
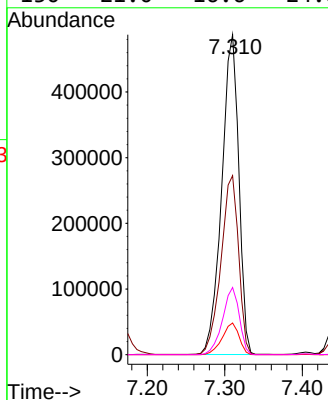
Ion Ratio Lower Upper

70 100

42 55.9 45.4 68.0

101 9.9 7.8 11.8

130 21.0 16.6 24.8



#20

3+4-Methylphenols

Concen: 46.825 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 107 Resp: 961623

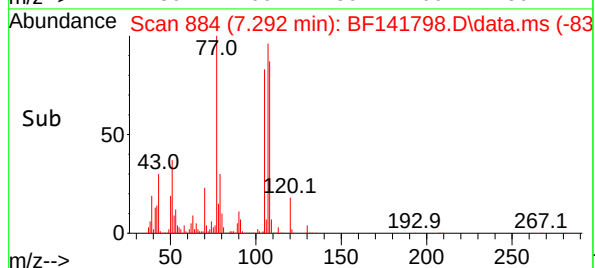
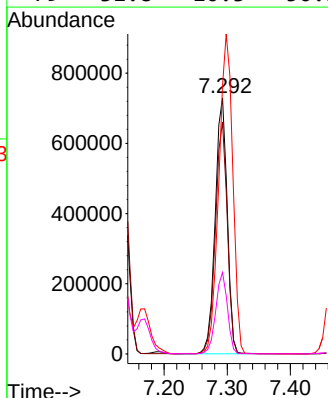
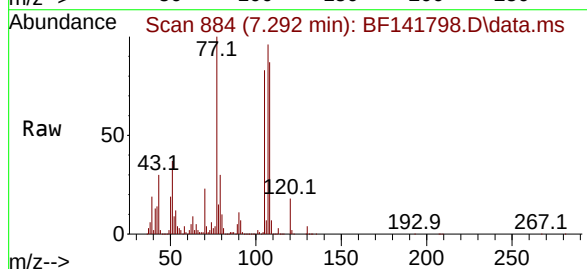
Ion Ratio Lower Upper

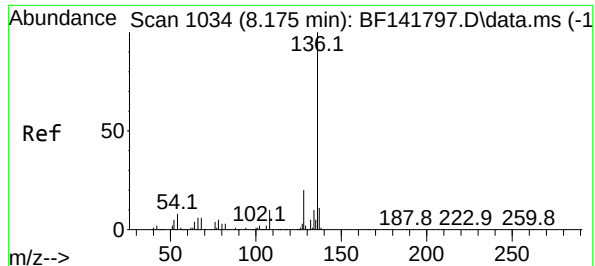
107 100

108 90.6 69.7 109.7

77 104.7 58.3 98.3#

79 31.8 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 1175652

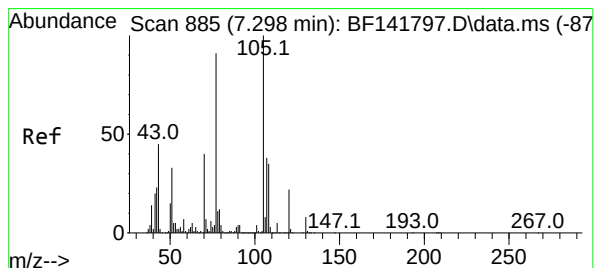
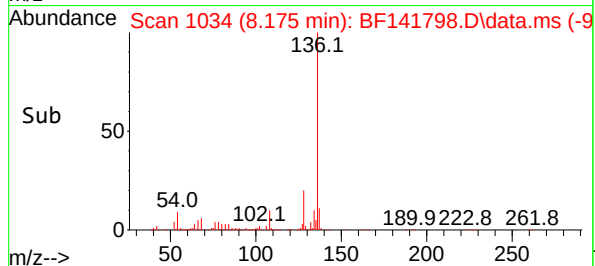
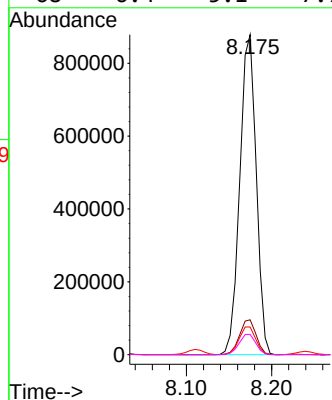
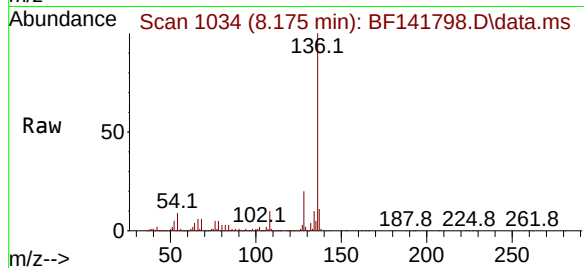
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.7 6.9 10.3

68 6.4 5.1 7.7



#22

Acetophenone

Concen: 46.798 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:105 Resp: 1339971

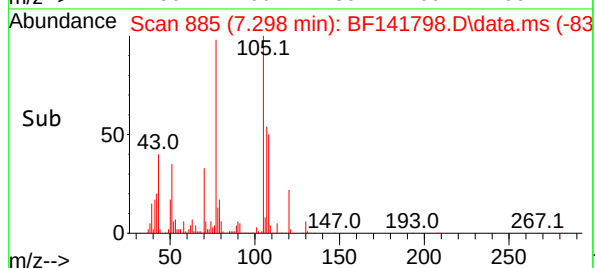
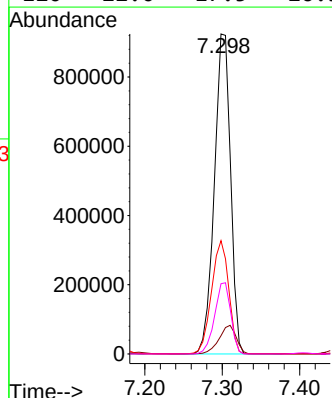
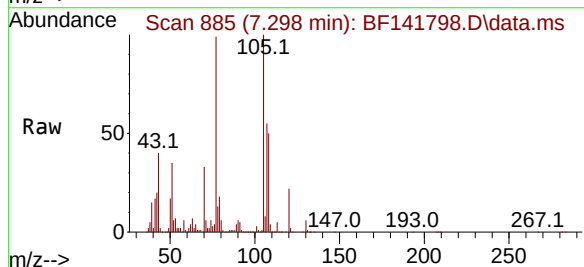
Ion Ratio Lower Upper

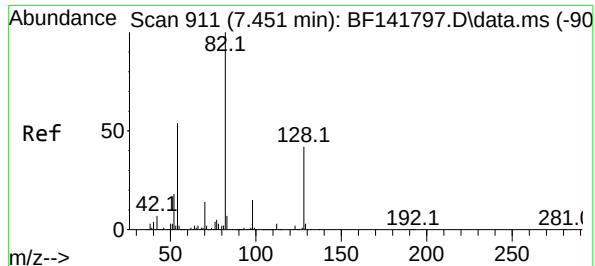
105 100

71 5.7 5.4 8.0

51 35.4 26.1 39.1

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 106.234 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

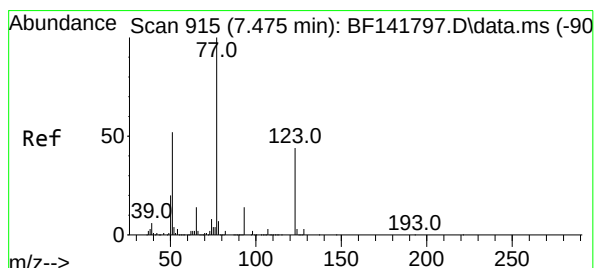
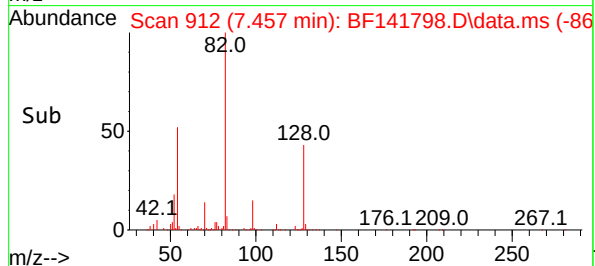
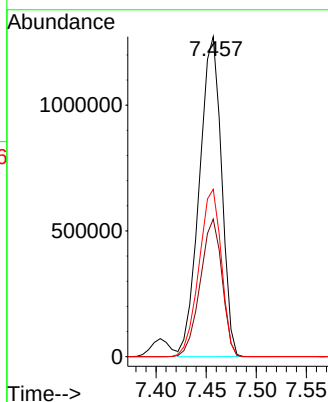
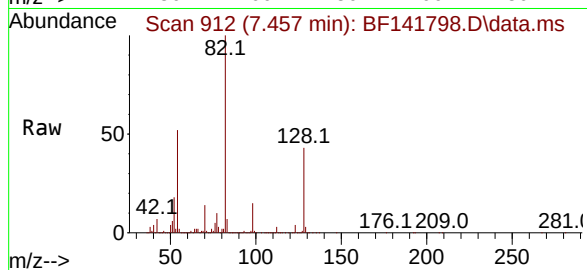
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1953916

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.5	50.3
54	52.3	42.7	64.1



#24

Nitrobenzene

Concen: 52.073 ng

RT: 7.475 min Scan# 915

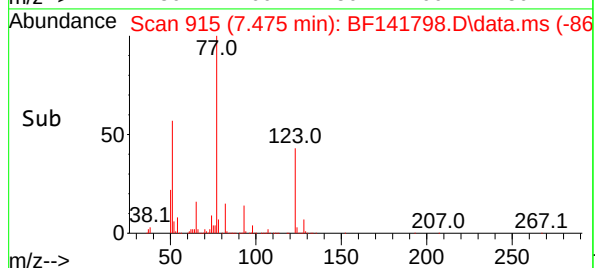
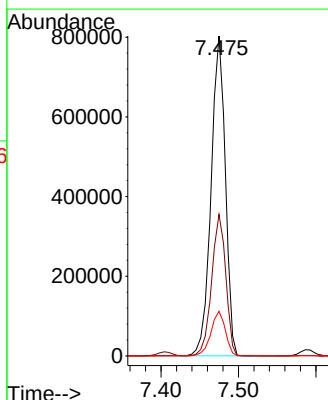
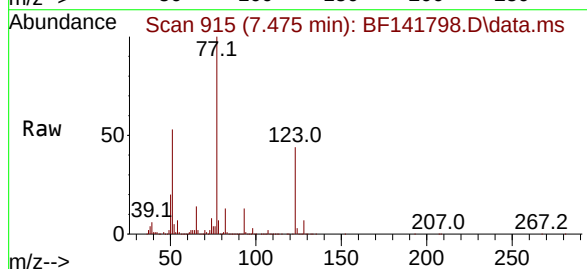
Delta R.T. -0.000 min

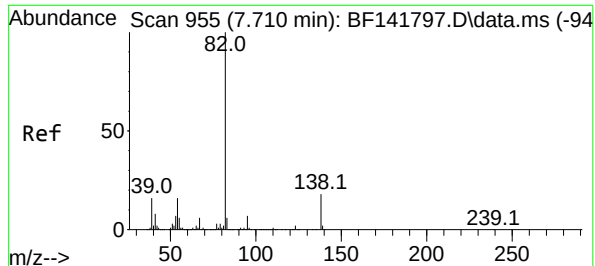
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion: 77 Resp: 1025625

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.8	53.8
65	14.0	11.2	16.8





#25

Isophorone

Concen: 47.744 ng

RT: 7.716 min Scan# 956

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

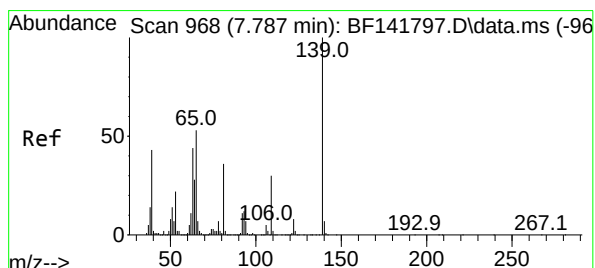
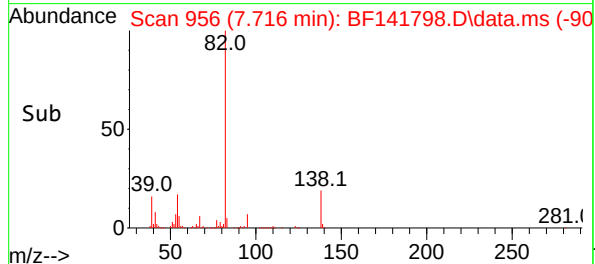
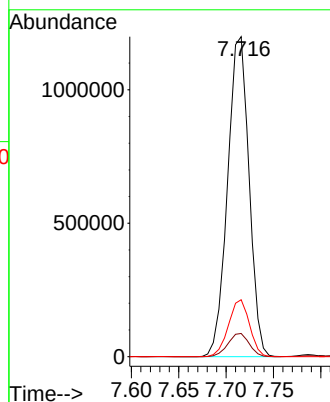
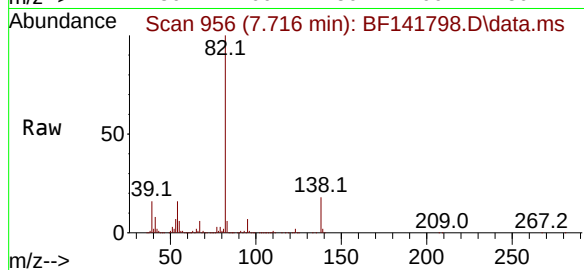
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1886546

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.8	14.0	21.0



#26

2-Nitrophenol

Concen: 48.354 ng

RT: 7.786 min Scan# 968

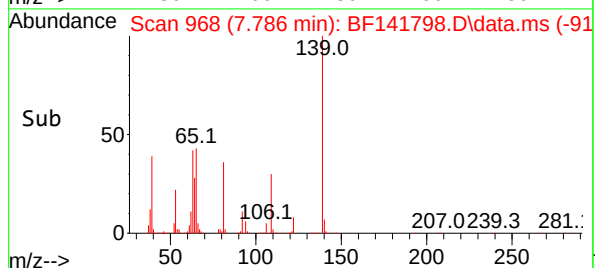
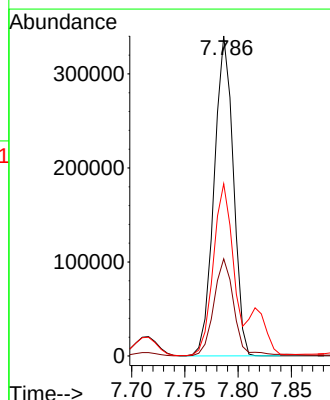
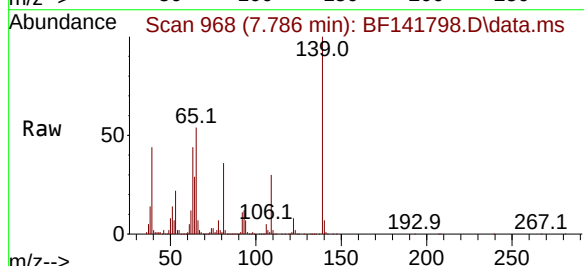
Delta R.T. -0.001 min

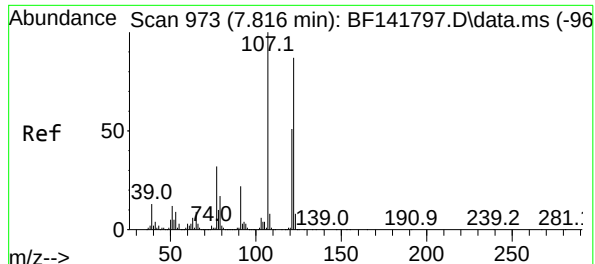
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 425765

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.1	36.1
65	53.8	42.3	63.5





#27

2,4-Dimethylphenol

Concen: 48.082 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

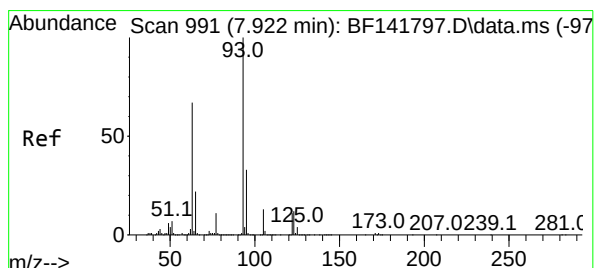
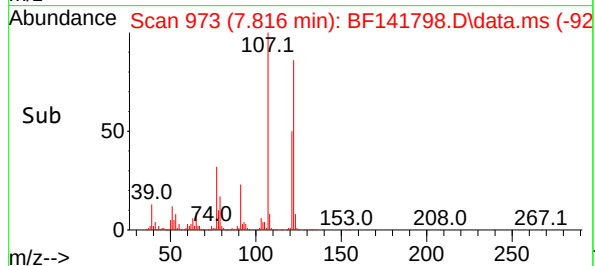
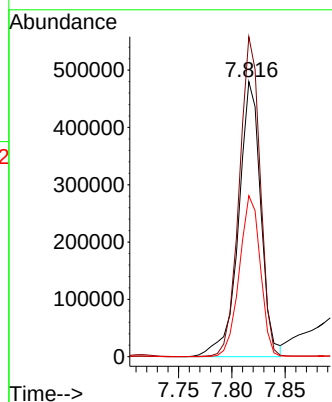
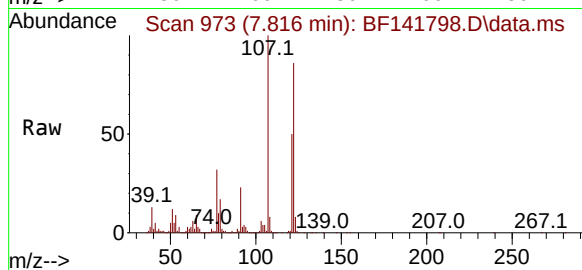
Tgt Ion:122 Resp: 698393

Ion Ratio Lower Upper

122 100

107 116.4 92.5 138.7

121 58.6 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 47.060 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

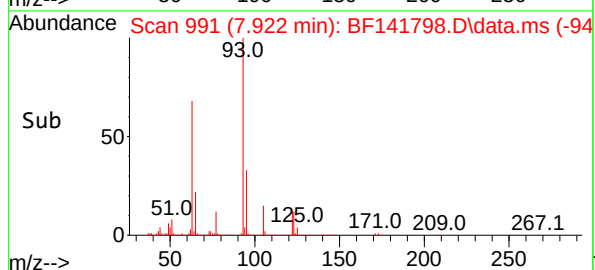
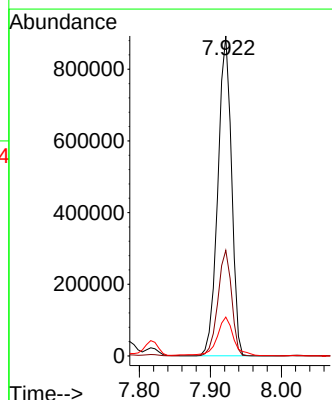
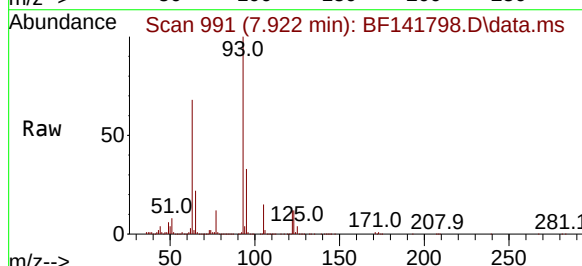
Tgt Ion: 93 Resp: 1186179

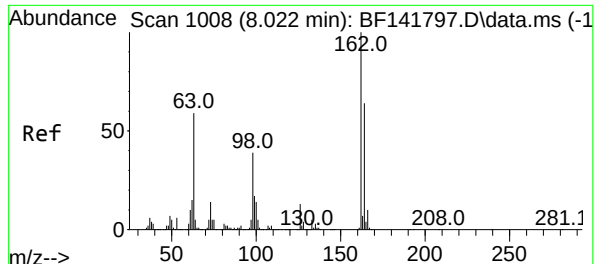
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.2 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 48.527 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

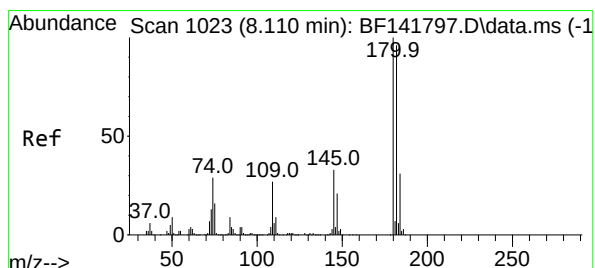
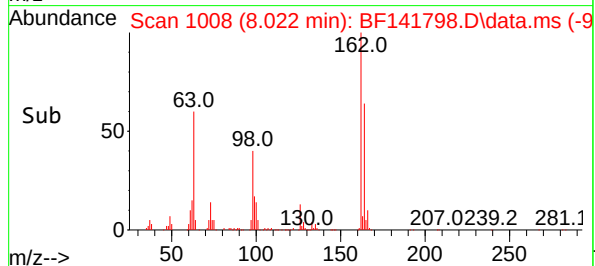
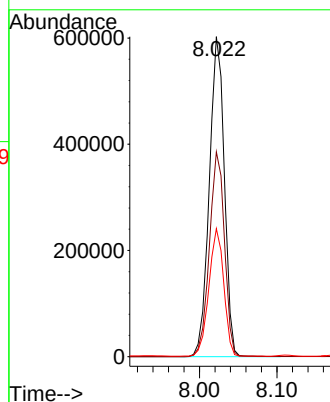
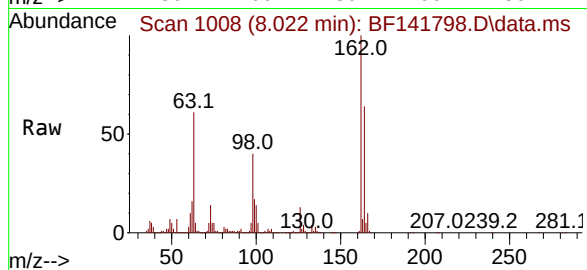
Tgt Ion:162 Resp: 813150

Ion Ratio Lower Upper

162 100

164 64.0 44.3 84.3

98 40.0 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 47.693 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

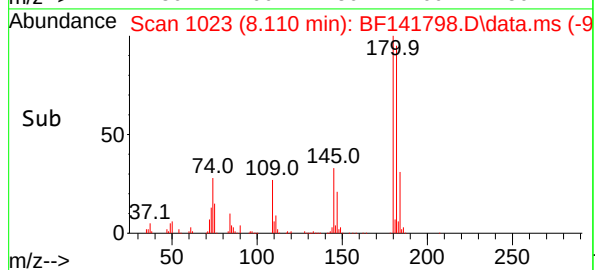
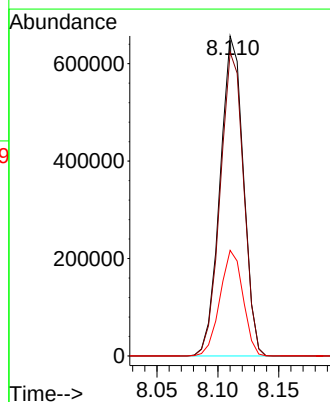
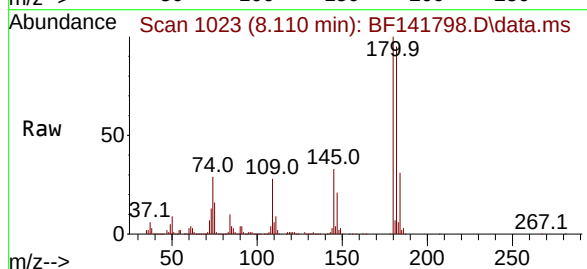
Tgt Ion:180 Resp: 875703

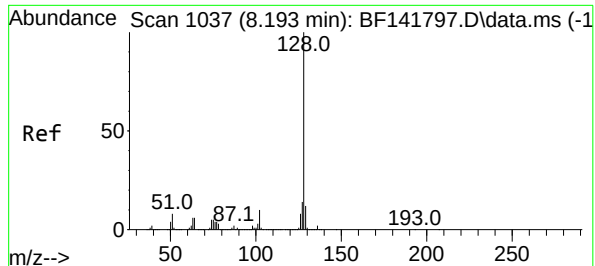
Ion Ratio Lower Upper

180 100

182 94.9 76.8 115.2

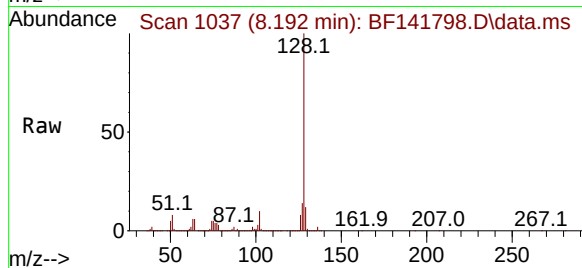
145 33.0 26.4 39.6



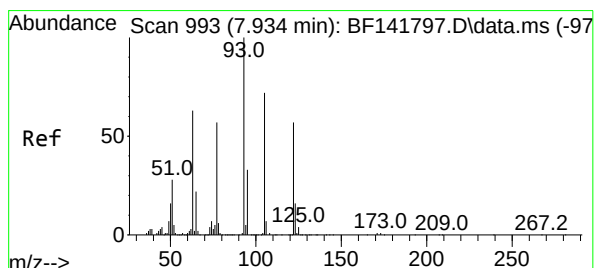
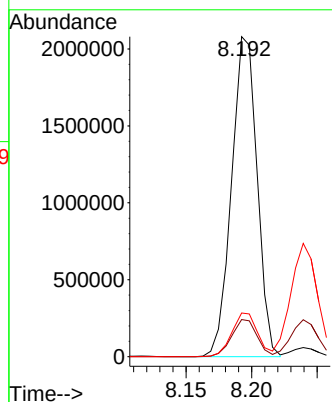
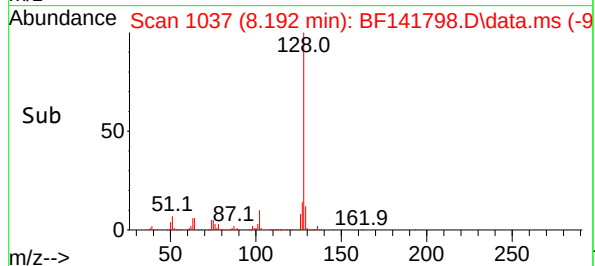


#31
Naphthalene
Concen: 46.685 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

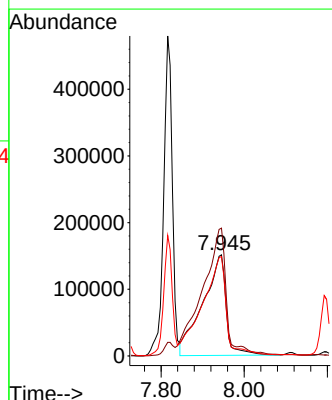
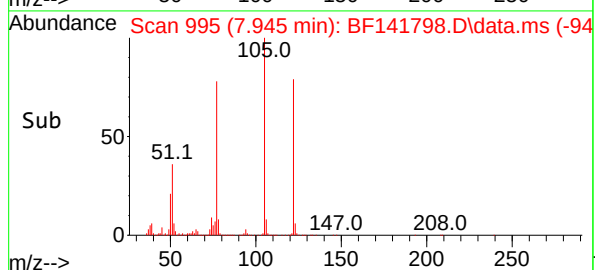
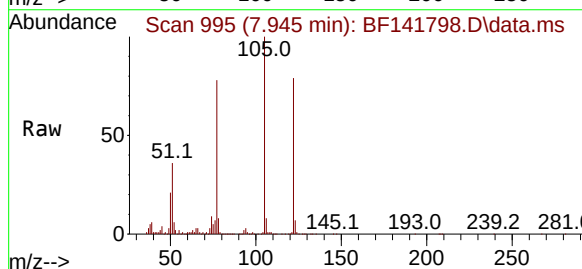


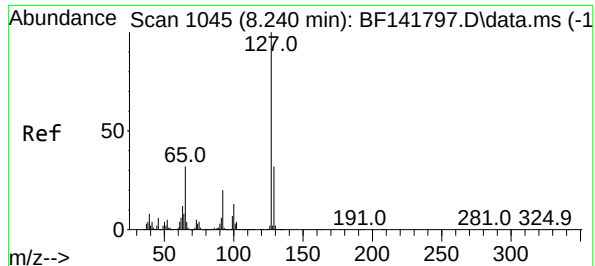
Tgt Ion:128 Resp: 2820879
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.7 11.0 16.4



#32
Benzoic acid
Concen: 48.392 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.011 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:122 Resp: 587574
Ion Ratio Lower Upper
122 100
105 126.4 105.8 145.8
77 98.1 79.9 119.9



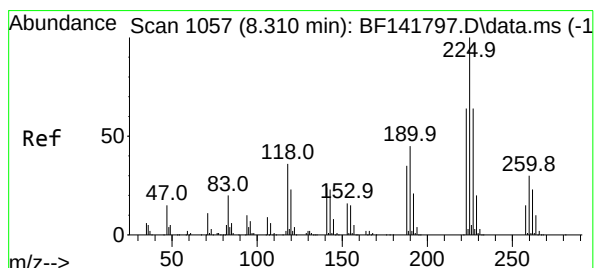
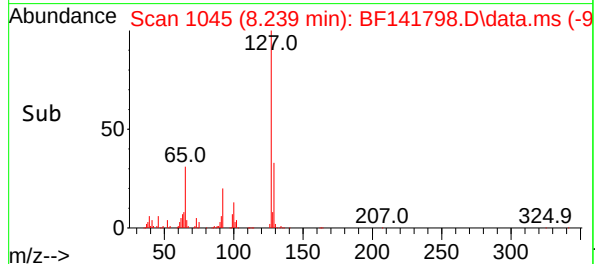
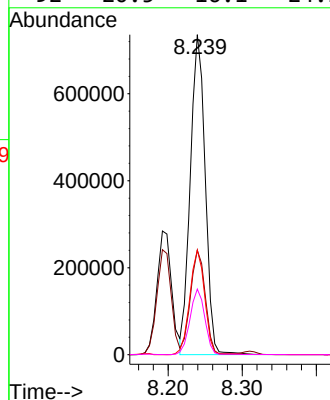
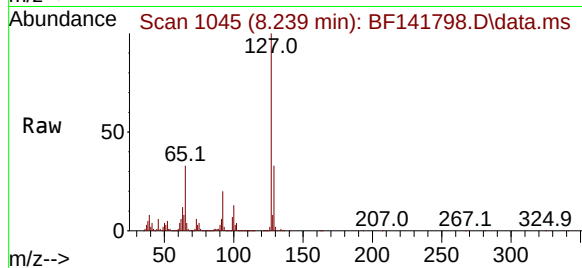


#33
4-Chloroaniline
Concen: 46.432 ng
RT: 8.239 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1028715

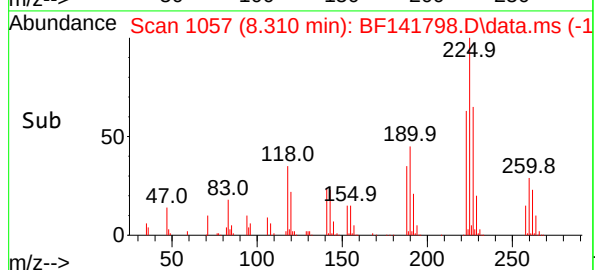
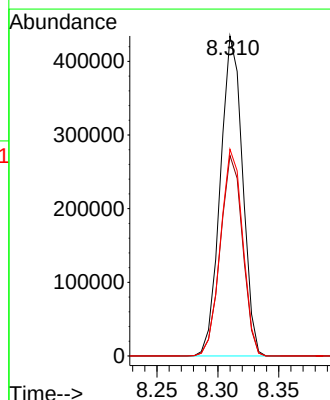
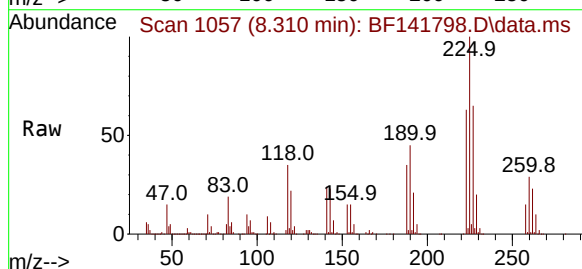
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.7	25.7	38.5
92	20.5	16.1	24.1

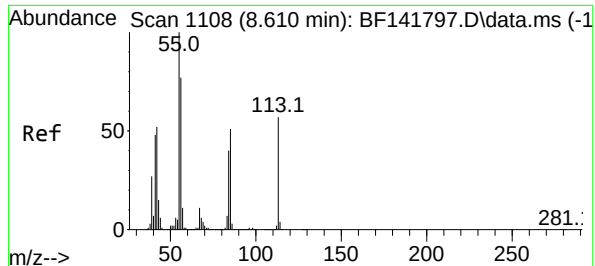


#34
Hexachlorobutadiene
Concen: 48.351 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:225 Resp: 551683

Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.4	77.2
227	64.6	51.6	77.4





#35

Caprolactam

Concen: 48.241 ng

RT: 8.622 min Scan# 1110

Delta R.T. 0.012 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

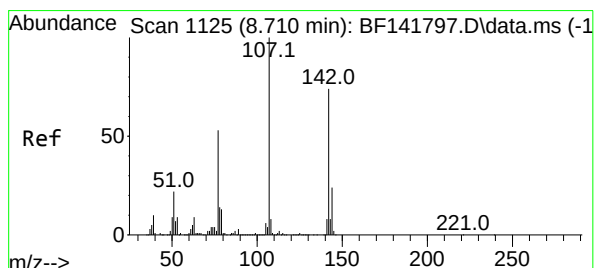
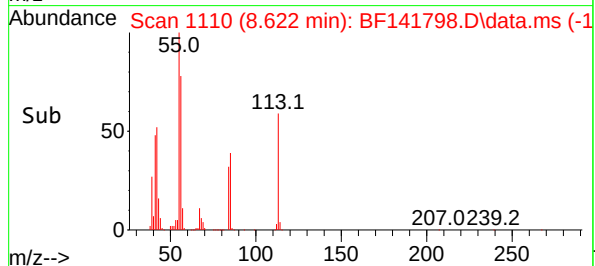
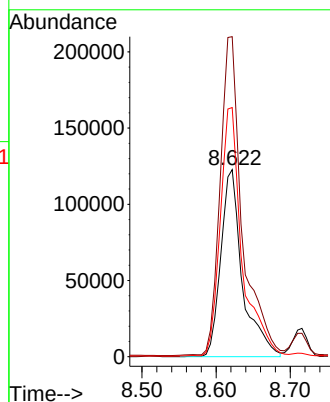
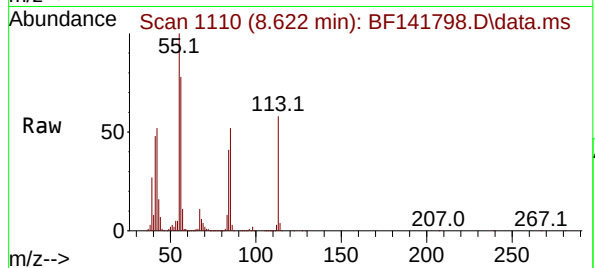
Tgt Ion:113 Resp: 248725

Ion Ratio Lower Upper

113 100

55 171.1 155.6 195.6

56 133.2 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 47.314 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

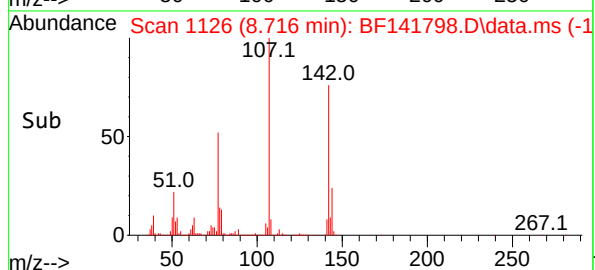
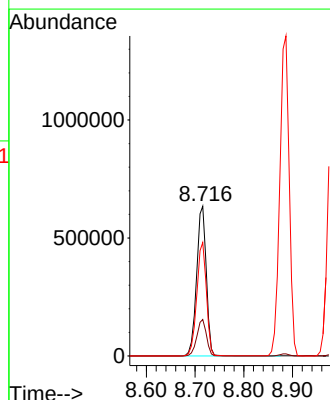
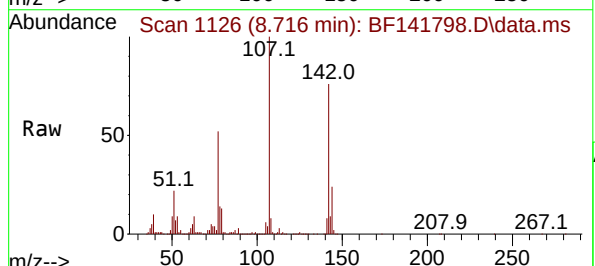
Tgt Ion:107 Resp: 880725

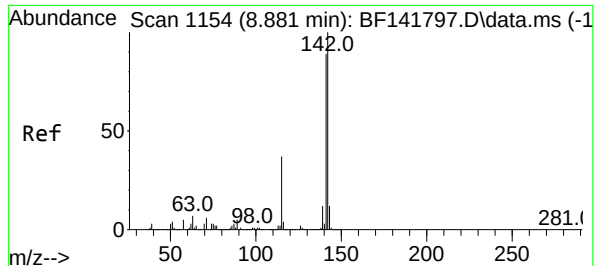
Ion Ratio Lower Upper

107 100

144 24.4 19.4 29.0

142 75.8 59.4 89.0





#37

2-Methylnaphthalene

Concen: 46.064 ng

RT: 8.886 min Scan# 1154

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

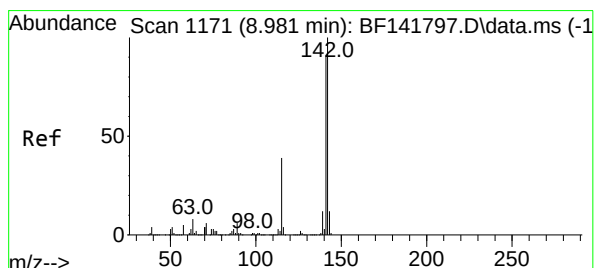
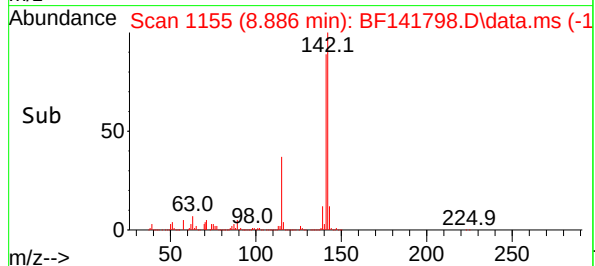
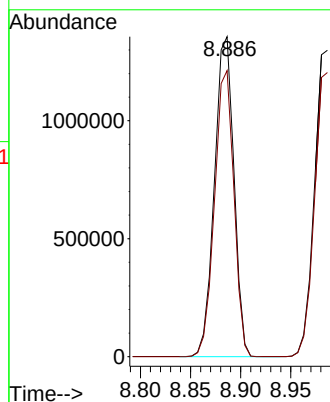
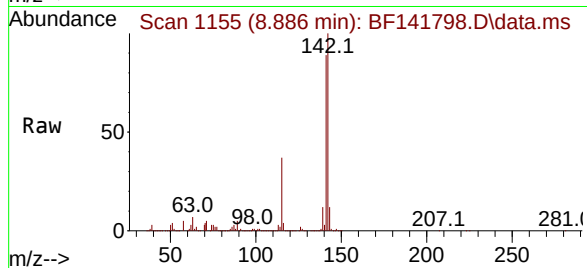
SSTDICC050

Tgt Ion:142 Resp: 1825639

Ion Ratio Lower Upper

142 100

141 89.4 71.1 106.7



#38

1-Methylnaphthalene

Concen: 45.899 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.006 min

Lab File: BF141798.D

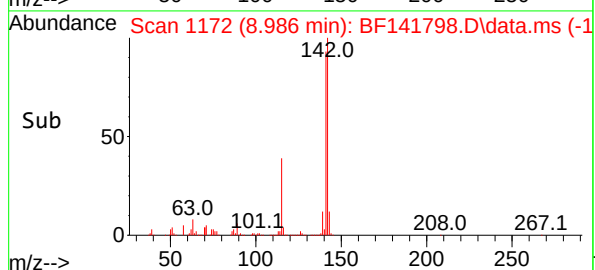
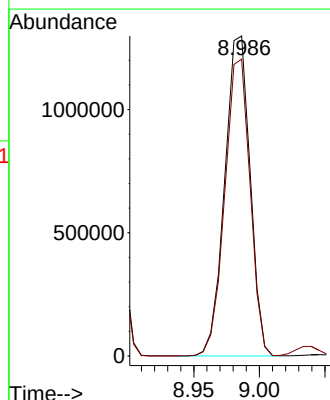
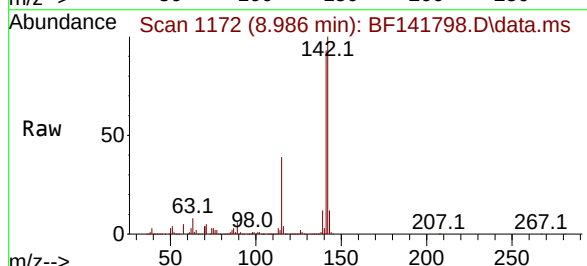
Acq: 27 Feb 2025 17:46

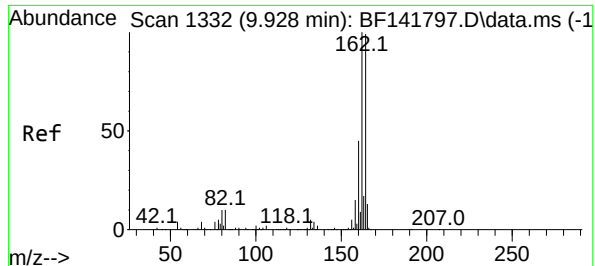
Tgt Ion:142 Resp: 1745465

Ion Ratio Lower Upper

142 100

141 92.7 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

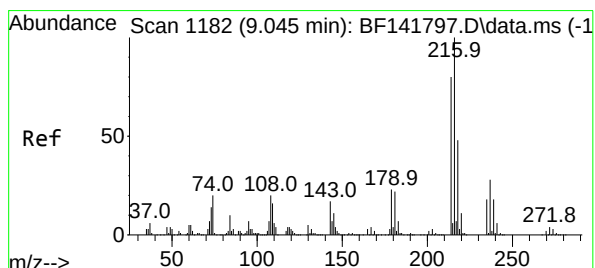
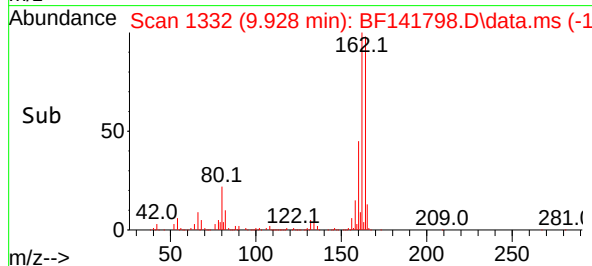
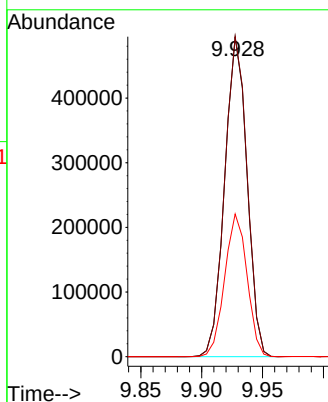
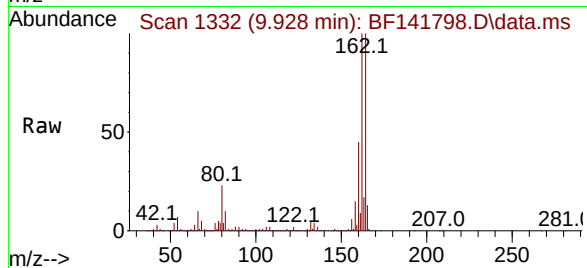
Tgt Ion:164 Resp: 632437

Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

160 44.7 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.555 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:216 Resp: 868619

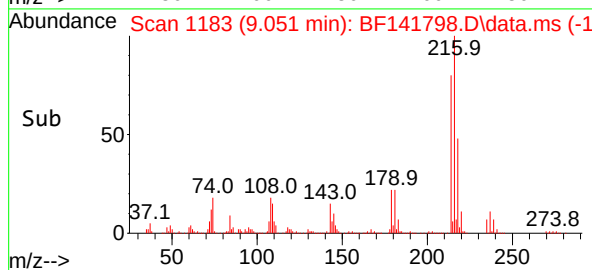
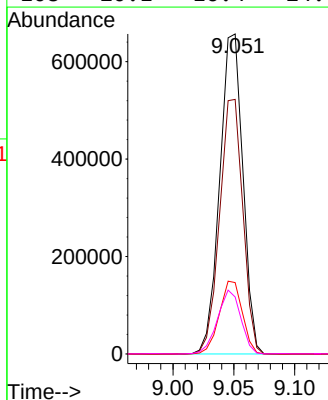
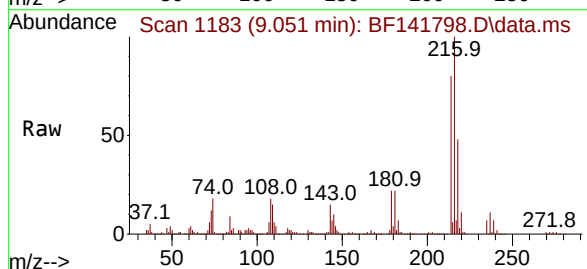
Ion Ratio Lower Upper

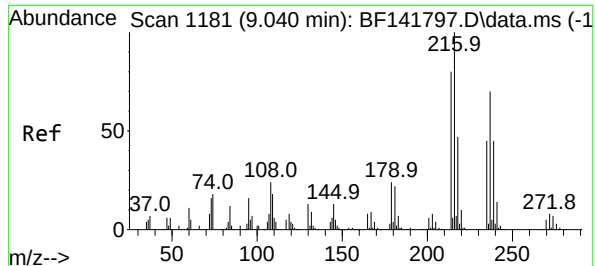
216 100

214 79.7 63.5 95.3

179 22.6 18.1 27.1

108 20.1 16.4 24.6

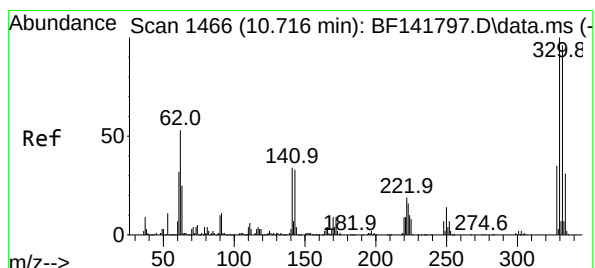
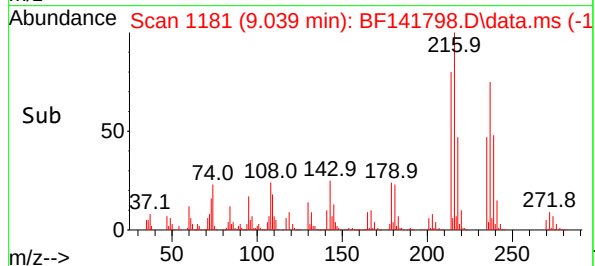
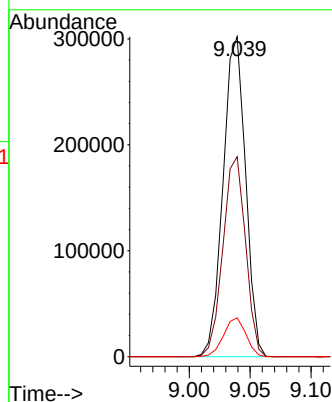
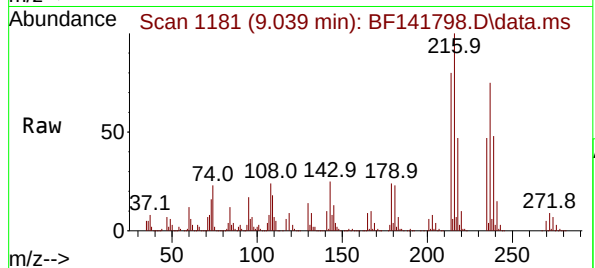




#41
Hexachlorocyclopentadiene
Concen: 50.930 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

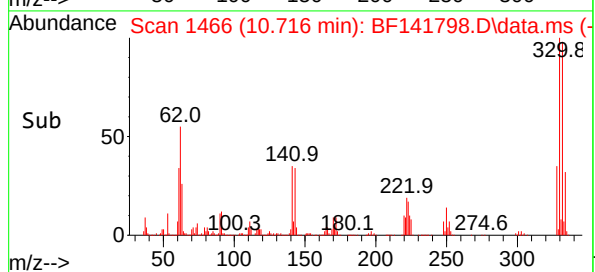
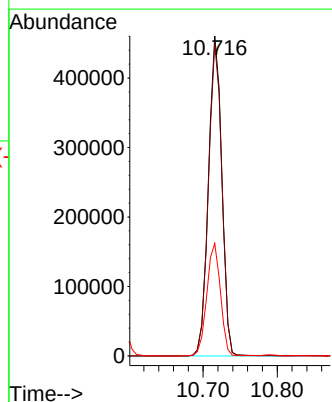
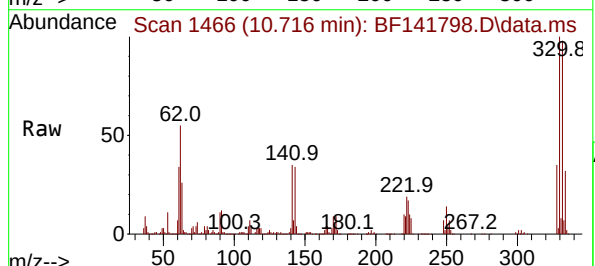
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

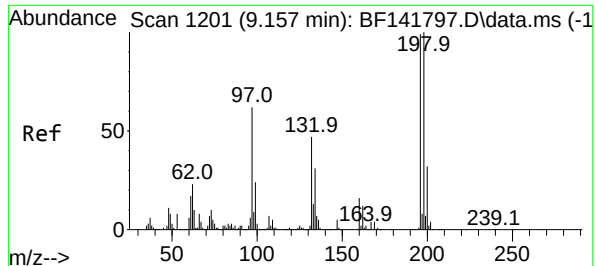
Tgt Ion:237 Resp: 388222
Ion Ratio Lower Upper
237 100
235 62.5 43.3 83.3
272 12.2 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 97.701 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:330 Resp: 580093
Ion Ratio Lower Upper
330 100
332 97.8 76.6 115.0
141 35.8 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 49.010 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

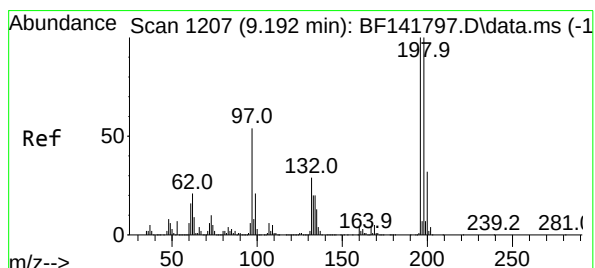
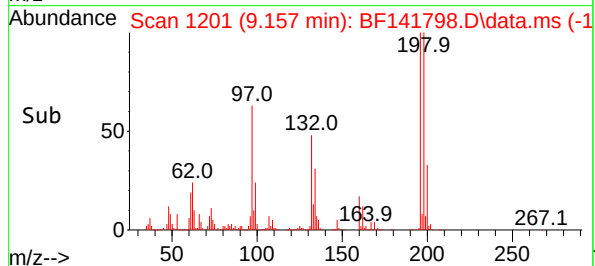
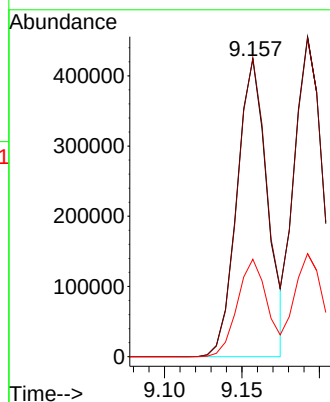
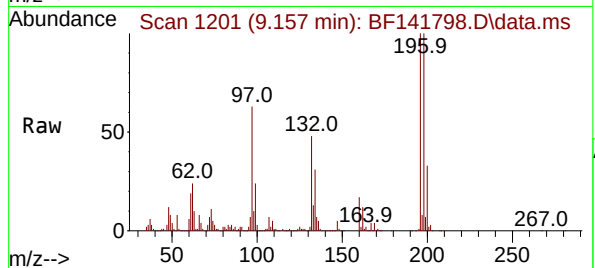
Tgt Ion:196 Resp: 578263

Ion Ratio Lower Upper

196 100

198 100.5 80.4 120.6

200 32.7 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 49.213 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:196 Resp: 574978

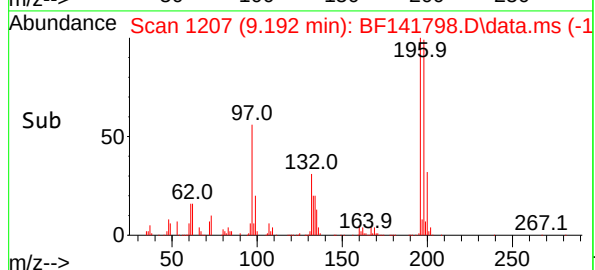
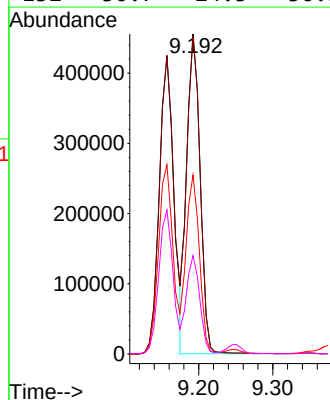
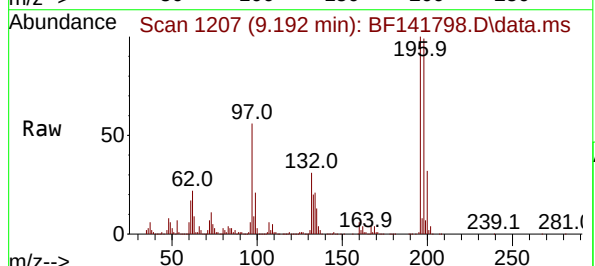
Ion Ratio Lower Upper

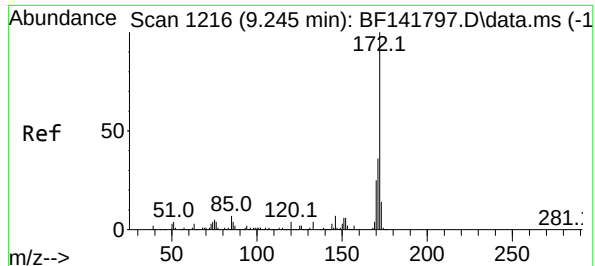
196 100

198 99.5 79.7 119.5

97 55.9 44.2 66.2

132 30.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 90.435 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

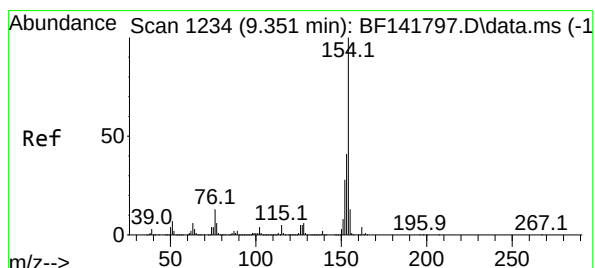
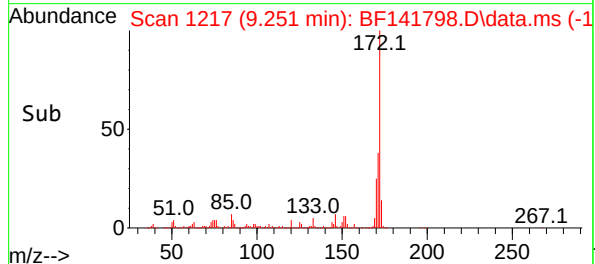
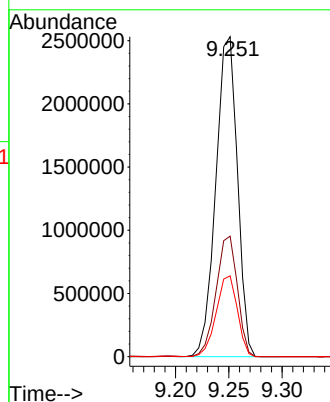
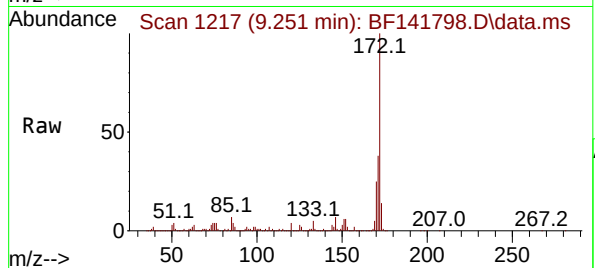
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 3566962

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.2	43.8
170	25.2	19.7	29.5



#46

1,1'-Biphenyl

Concen: 46.420 ng

RT: 9.351 min Scan# 1234

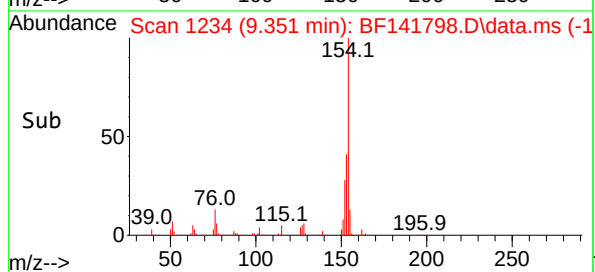
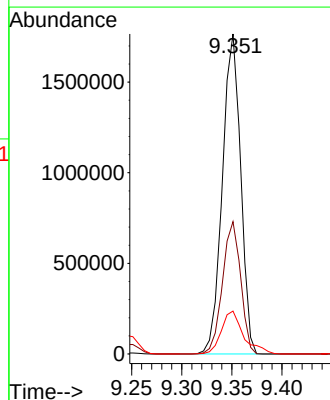
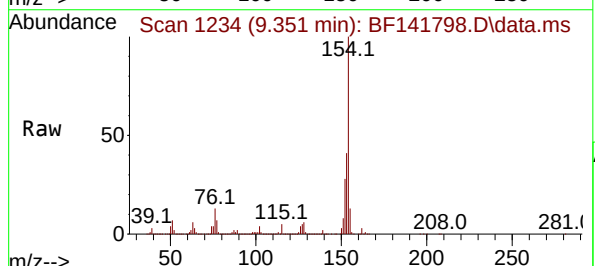
Delta R.T. -0.000 min

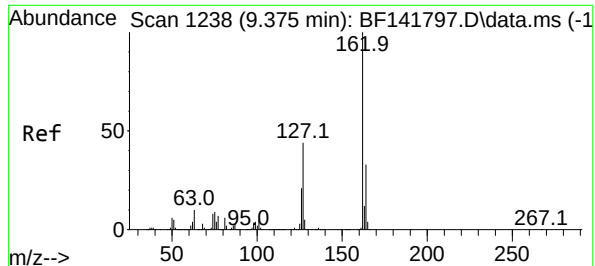
Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 2234592

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	13.4	0.0	33.4





#47

2-Chloronaphthalene

Concen: 47.075 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

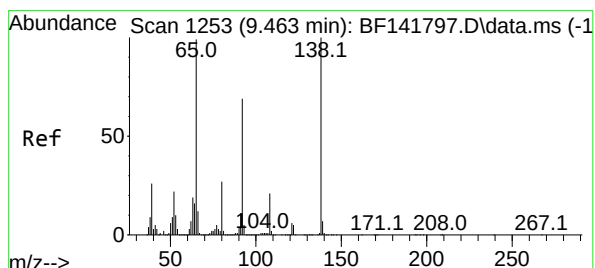
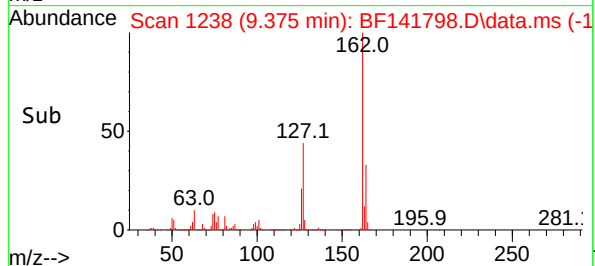
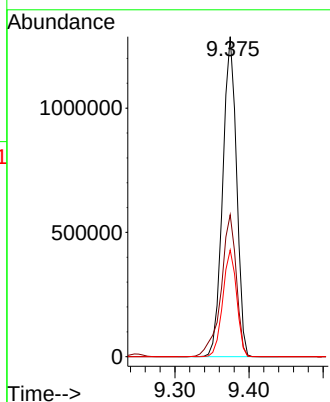
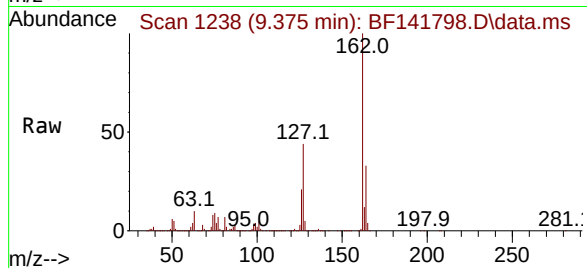
Tgt Ion:162 Resp: 1672555

Ion Ratio Lower Upper

162 100

127 44.4 35.0 52.6

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 48.211 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

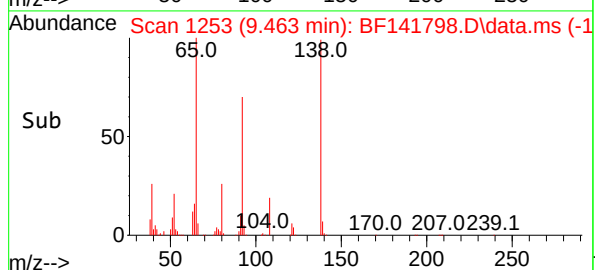
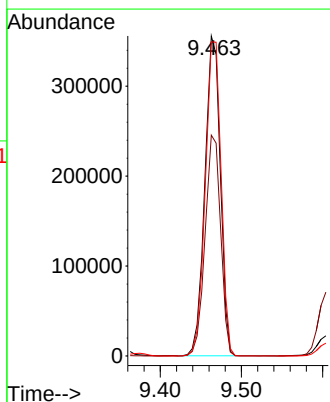
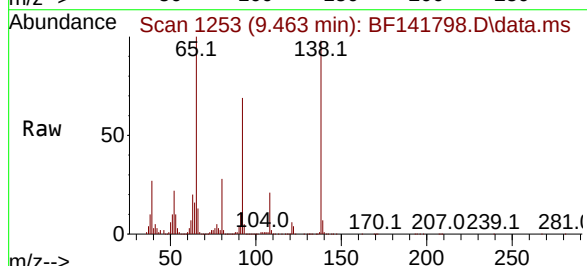
Tgt Ion: 65 Resp: 469075

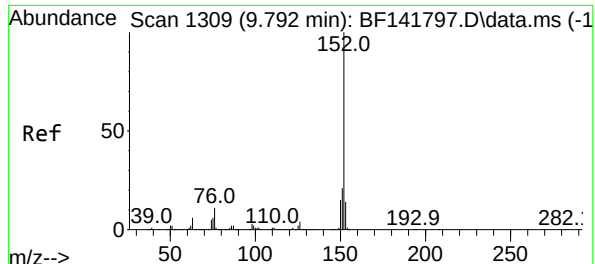
Ion Ratio Lower Upper

65 100

92 69.0 55.7 83.5

138 98.1 80.6 121.0





#49

Acenaphthylene

Concen: 46.294 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

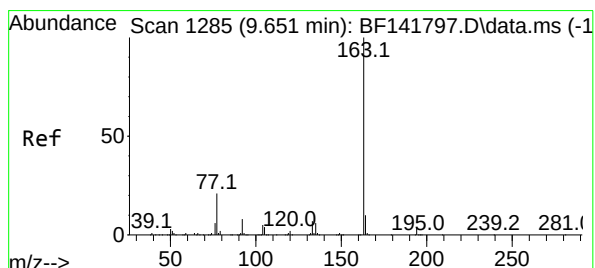
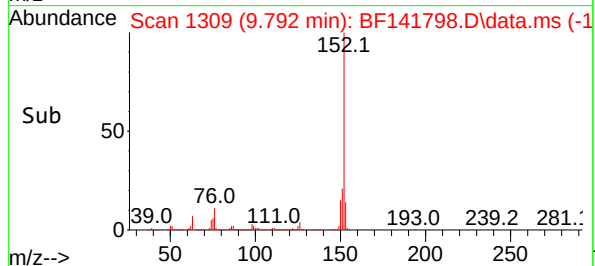
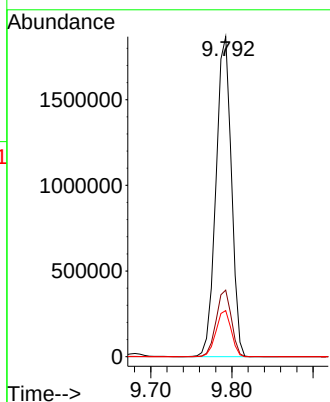
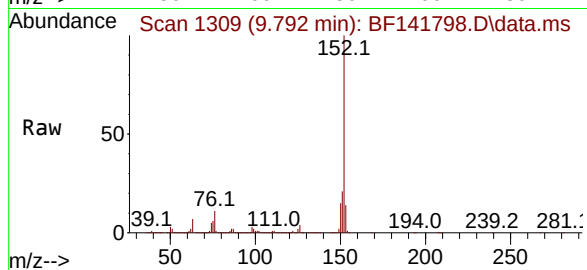
Tgt Ion:152 Resp: 2466104

Ion	Ratio	Lower	Upper

152	100		

151	20.8	16.6	24.8

153	14.4	11.2	16.8



#50

Dimethylphthalate

Concen: 47.103 ng

RT: 9.651 min Scan# 1285

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

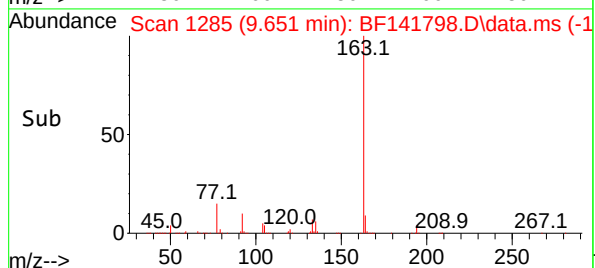
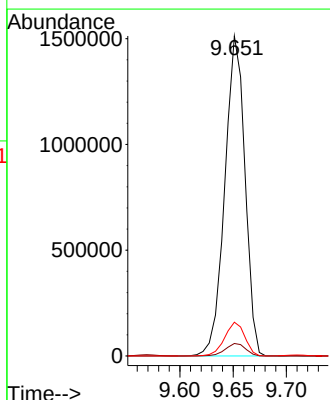
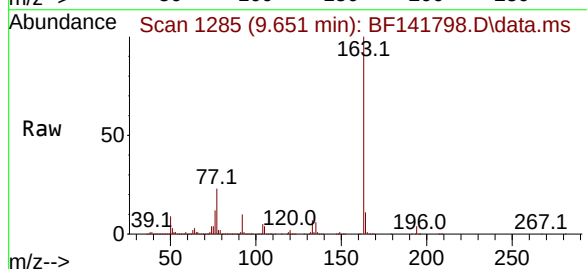
Tgt Ion:163 Resp: 1994958

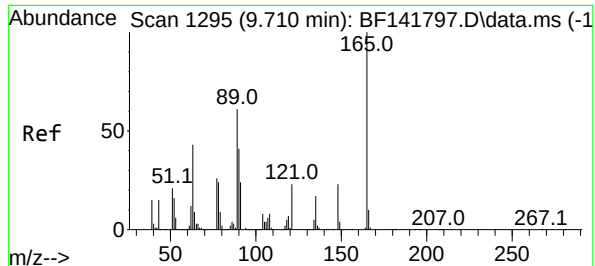
Ion	Ratio	Lower	Upper

163	100		

194	3.9	3.1	4.7

164	10.5	8.4	12.6

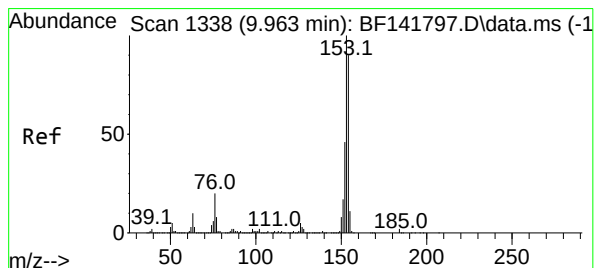
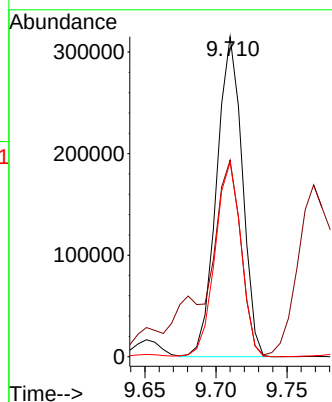
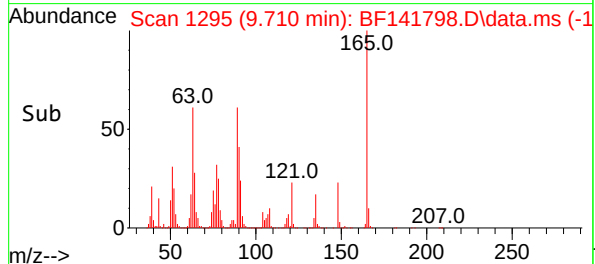
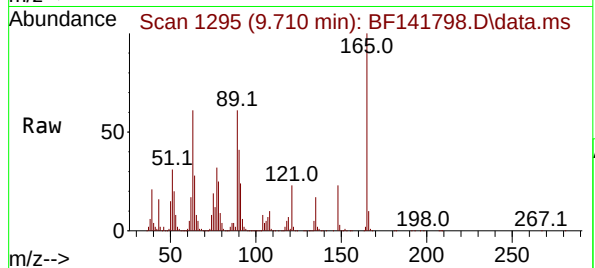




#51
2,6-Dinitrotoluene
Concen: 48.926 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

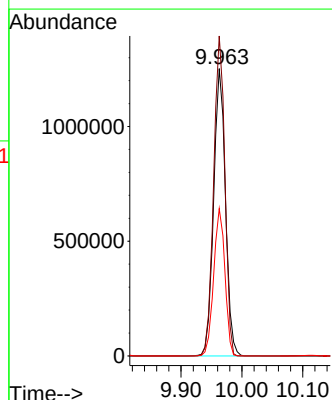
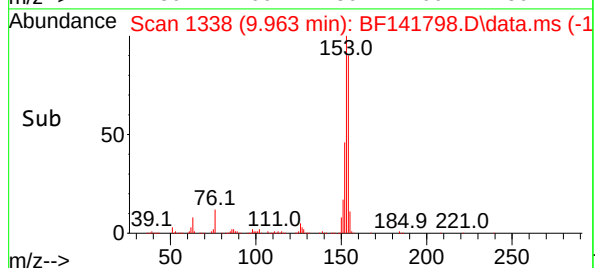
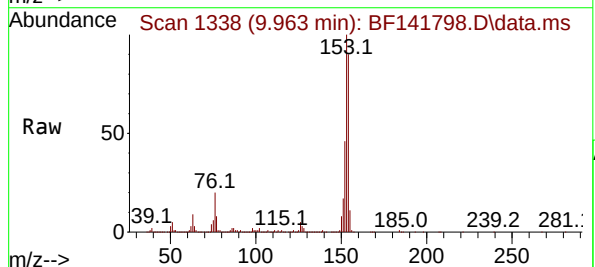
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

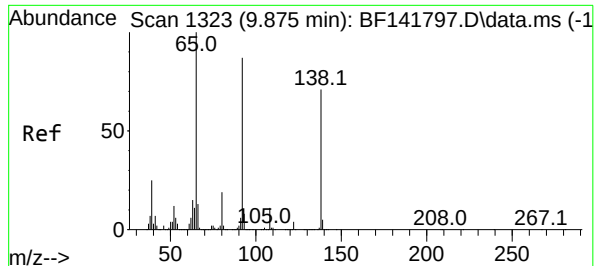
Tgt Ion:165 Resp: 396873
Ion Ratio Lower Upper
165 100
63 61.4 49.5 74.3
89 60.8 49.0 73.4



#52
Acenaphthene
Concen: 46.994 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 1689163
Ion Ratio Lower Upper
154 100
153 111.4 88.7 133.1
152 51.3 40.9 61.3

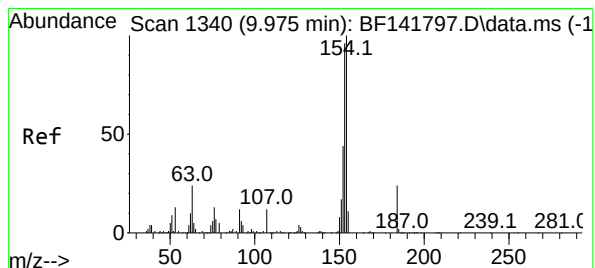
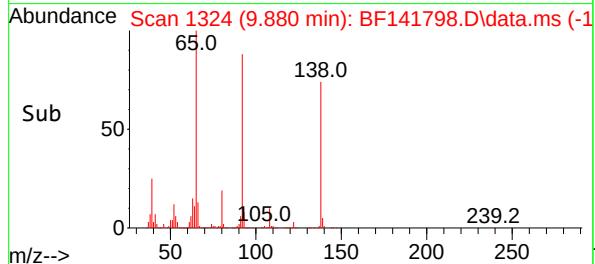
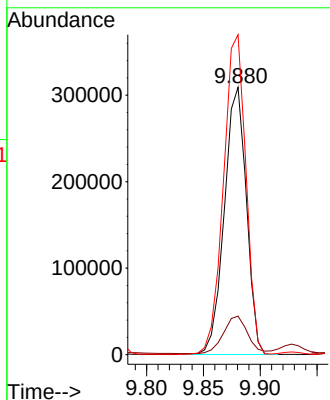
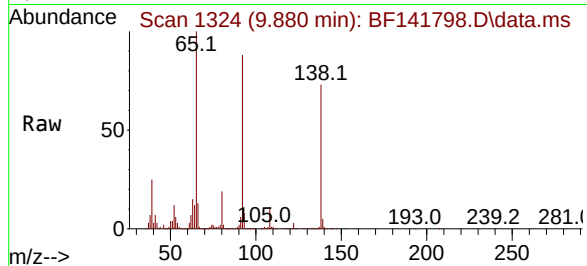




#53
3-Nitroaniline
Concen: 48.300 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

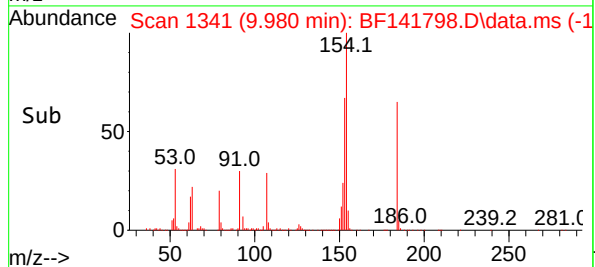
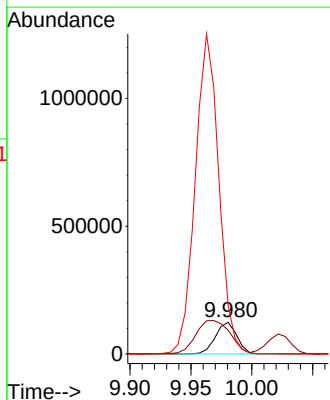
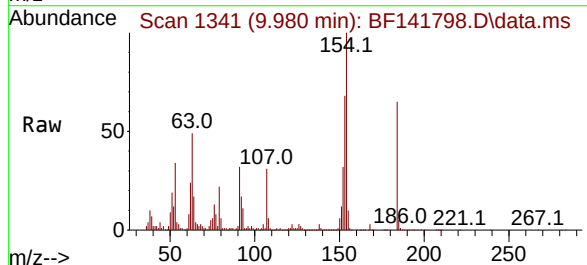
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

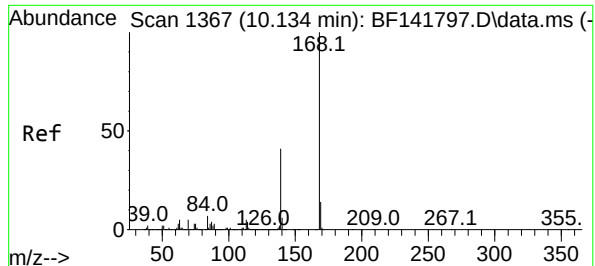
Tgt Ion:138 Resp: 417015
Ion Ratio Lower Upper
138 100
108 14.5 12.7 19.1
92 119.7 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 48.388 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:184 Resp: 151706
Ion Ratio Lower Upper
184 100
63 75.3 79.0 118.6#
154 154.1 335.8 503.8#

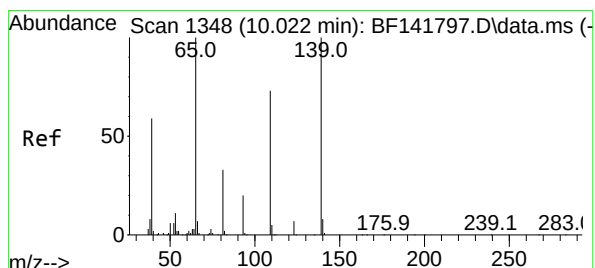
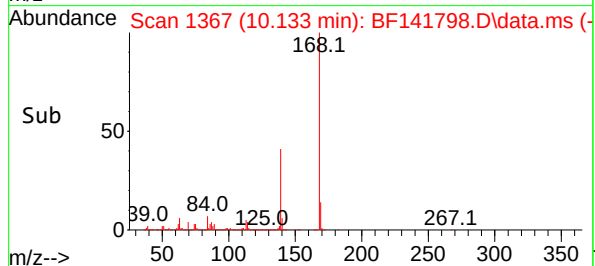
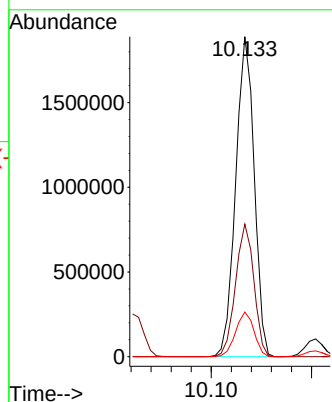
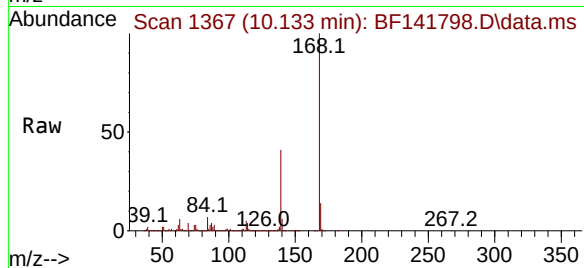




#55
Dibenzenofuran
Concen: 46.312 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

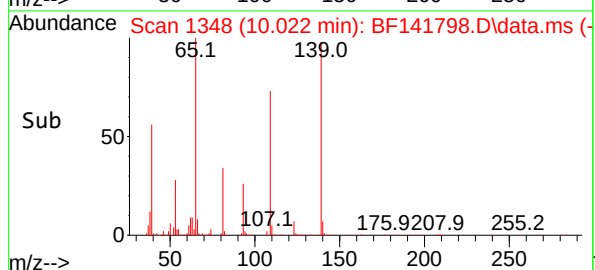
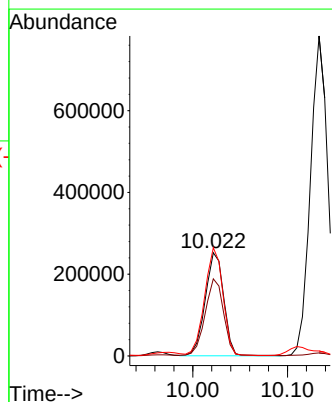
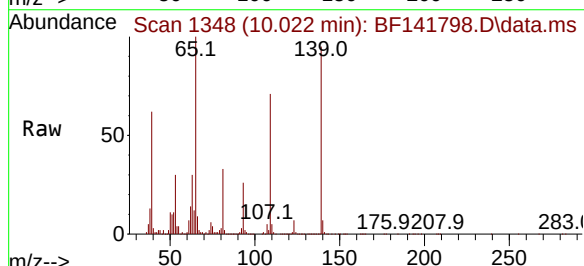
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

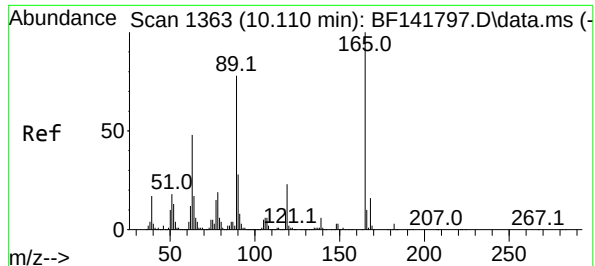
Tgt Ion:168 Resp: 2422882
Ion Ratio Lower Upper
168 100
139 41.4 32.9 49.3
169 14.0 11.1 16.7



#56
4-Nitrophenol
Concen: 54.357 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 340020
Ion Ratio Lower Upper
139 100
109 74.7 53.4 93.4
65 104.9 82.1 122.1

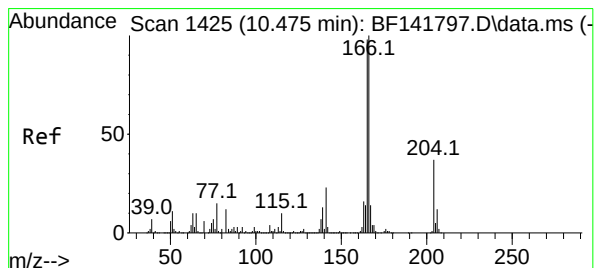
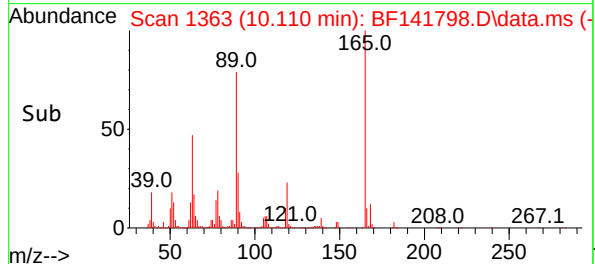
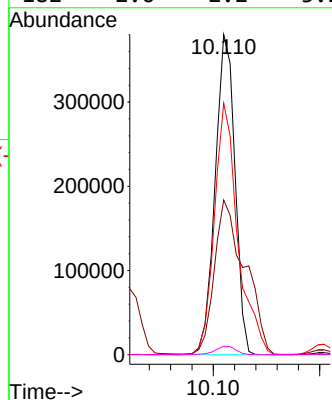
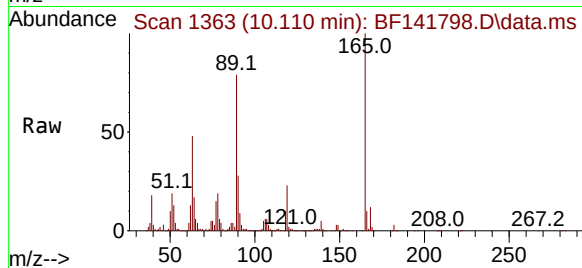




#57
2,4-Dinitrotoluene
Concen: 49.405 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

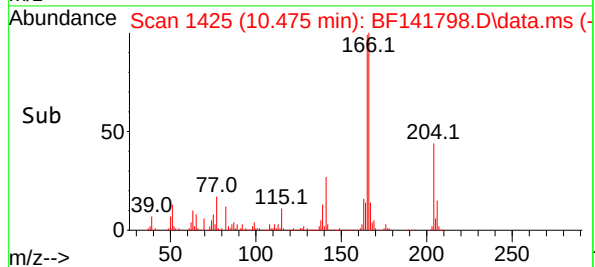
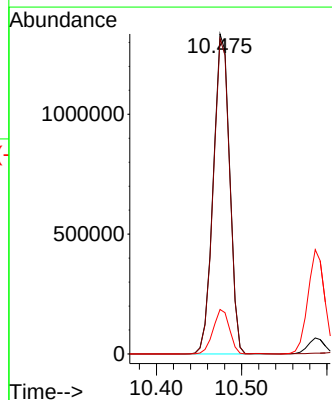
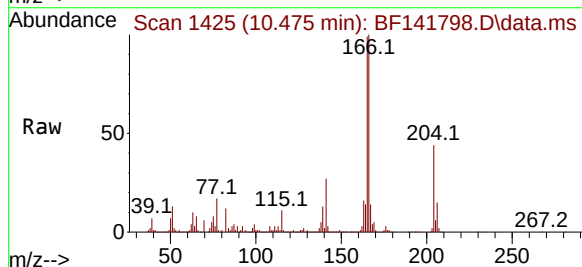
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

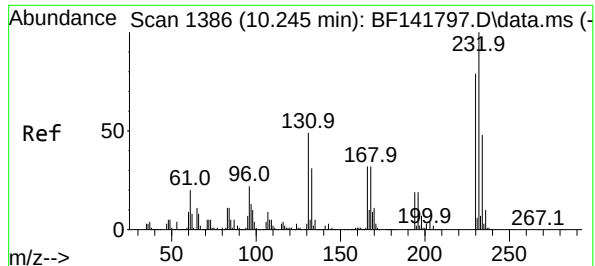
Tgt Ion:165 Resp: 490028
Ion Ratio Lower Upper
165 100
63 48.4 38.8 58.2
89 78.6 62.6 94.0
182 2.6 2.2 3.2



#58
Fluorene
Concen: 45.518 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:166 Resp: 1783757
Ion Ratio Lower Upper
166 100
165 98.5 78.6 117.8
167 13.9 11.0 16.4

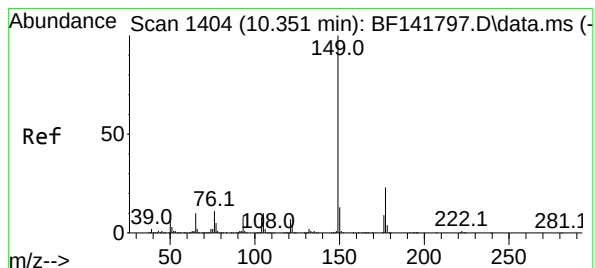
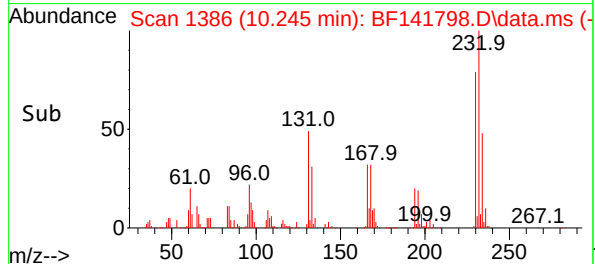
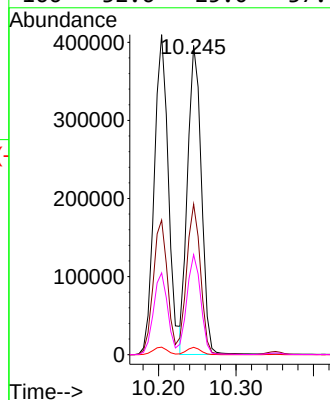
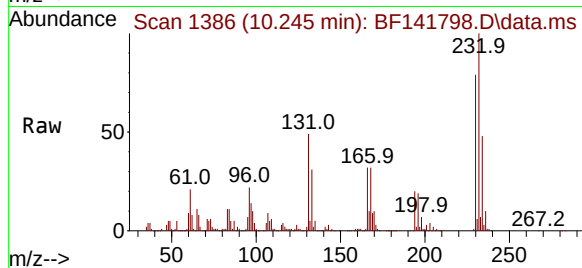




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.140 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

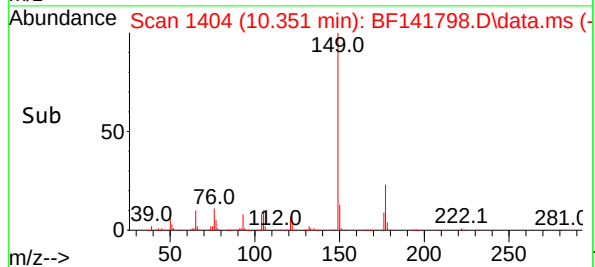
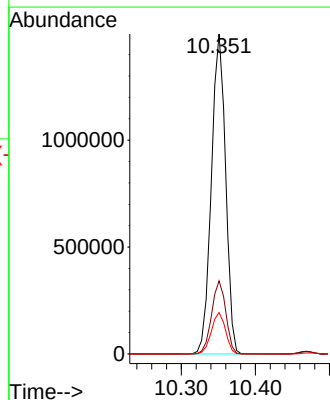
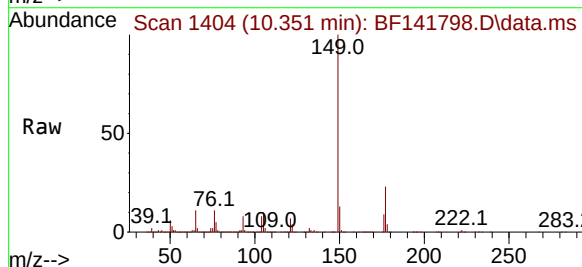
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

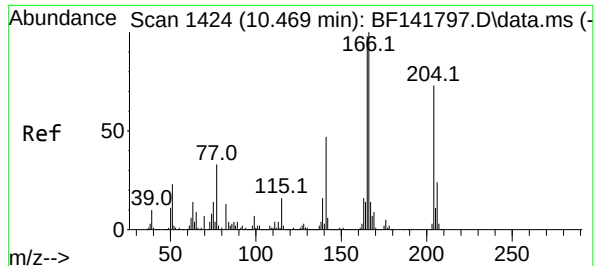
Tgt Ion:232 Resp: 489160
Ion Ratio Lower Upper
232 100
131 49.4 37.8 56.8
130 2.4 2.0 3.0
166 32.6 25.0 37.4



#60
Diethylphthalate
Concen: 46.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1991111
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.9 10.3 15.5

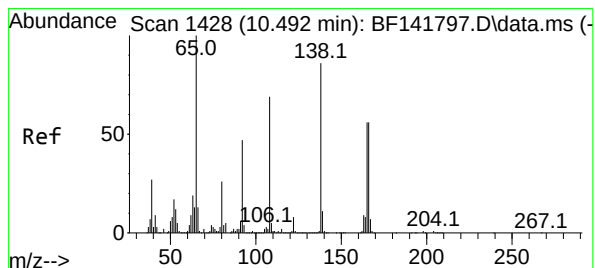
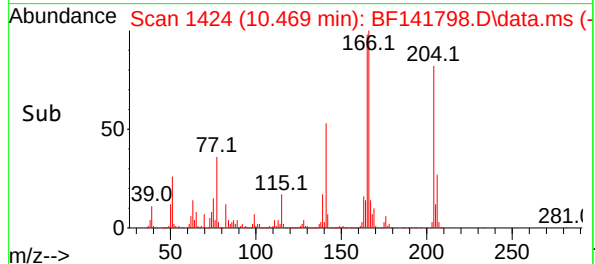
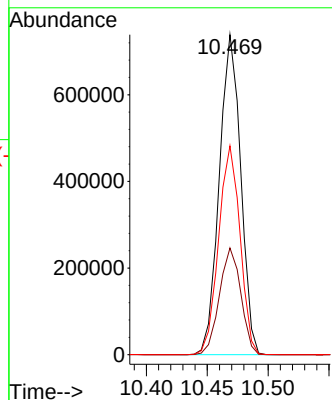
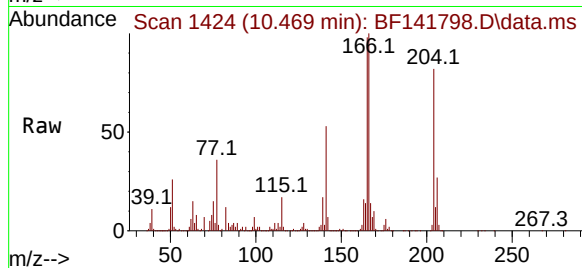




#61
4-Chlorophenyl-phenylether
Concen: 46.084 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

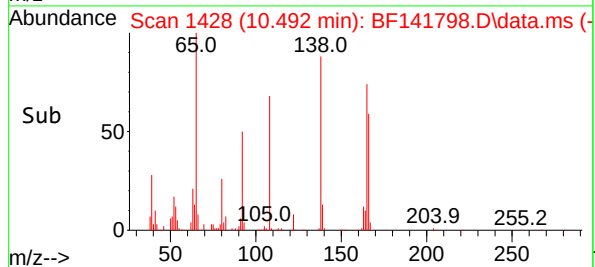
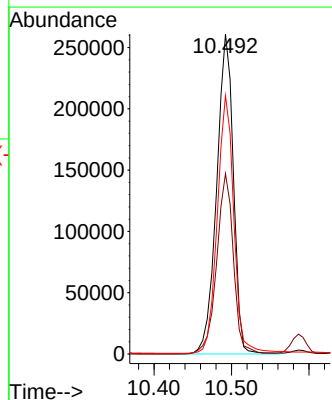
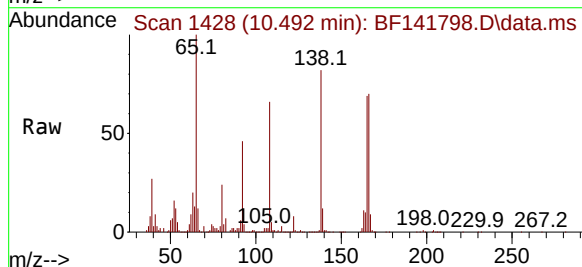
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

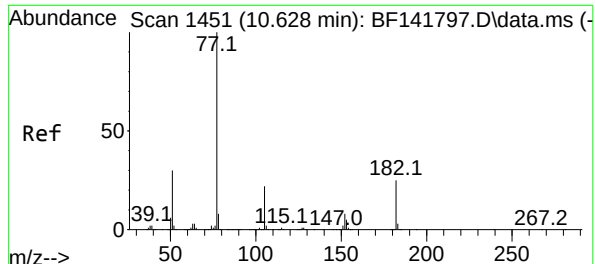
Tgt Ion:204 Resp: 904835
Ion Ratio Lower Upper
204 100
206 33.4 26.2 39.4
141 65.3 51.7 77.5



#62
4-Nitroaniline
Concen: 54.114 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:138 Resp: 391399
Ion Ratio Lower Upper
138 100
92 56.4 34.9 74.9
108 80.7 59.6 99.6

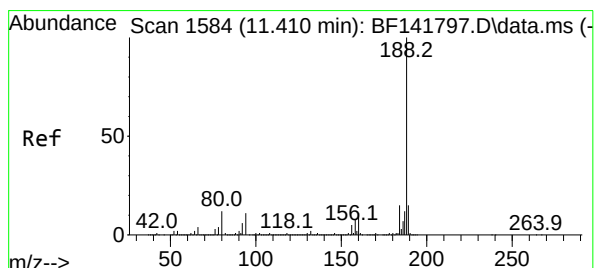
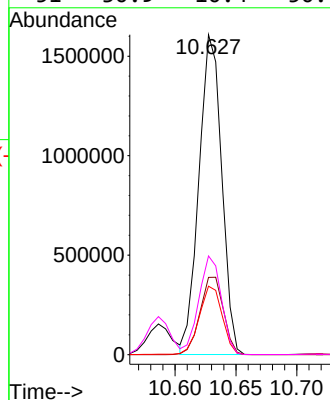
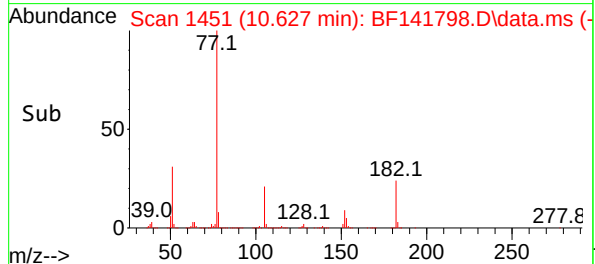
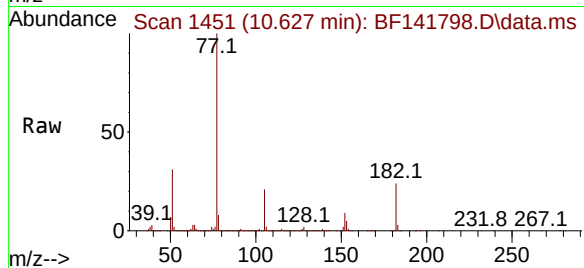




#63
Azobenzene
Concen: 46.687 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

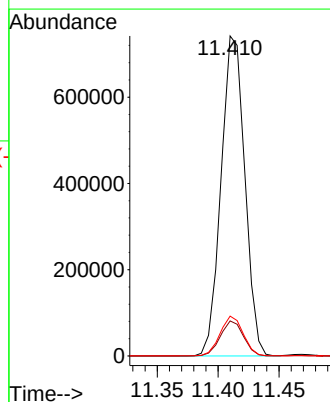
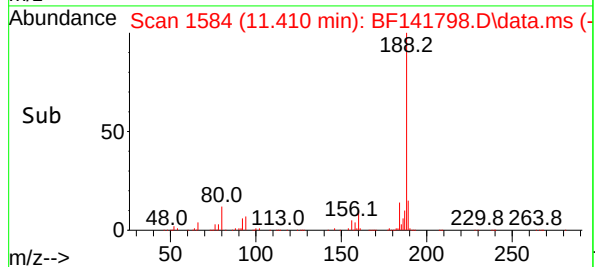
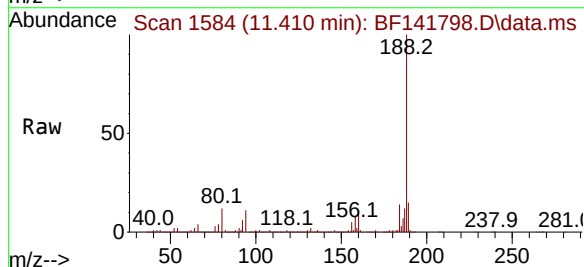
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

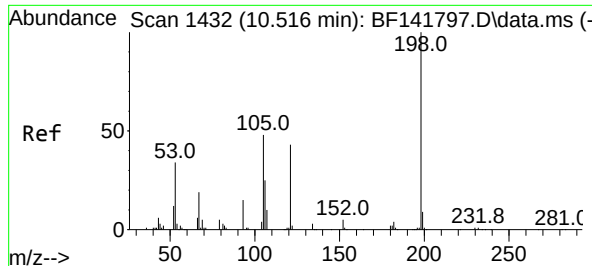
Tgt Ion: 77 Resp: 2087153
Ion Ratio Lower Upper
77 100
182 24.2 4.2 44.2
105 21.4 1.5 41.5
51 30.9 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 188 Resp: 1007266
Ion Ratio Lower Upper
188 100
94 10.9 8.9 13.3
80 12.5 9.7 14.5

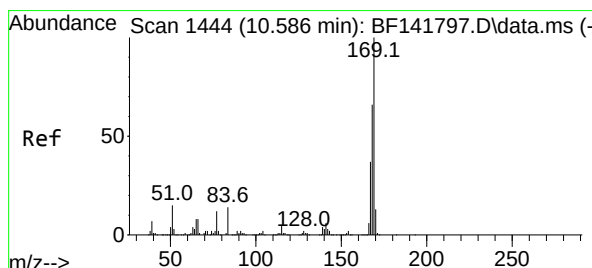
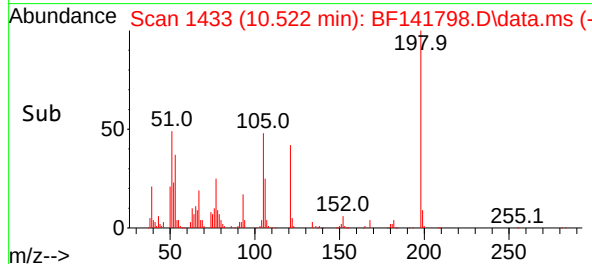
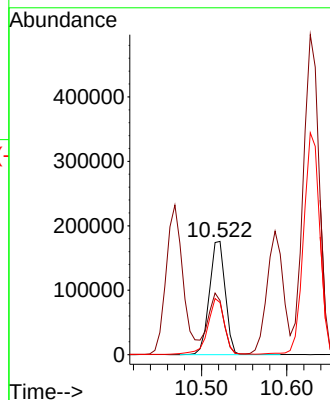
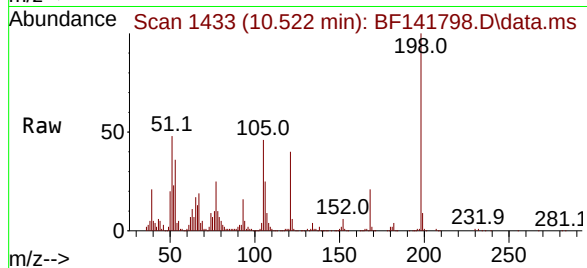




#65
4,6-Dinitro-2-methylphenol
Concen: 47.968 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

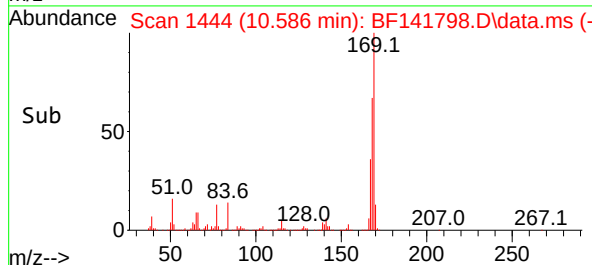
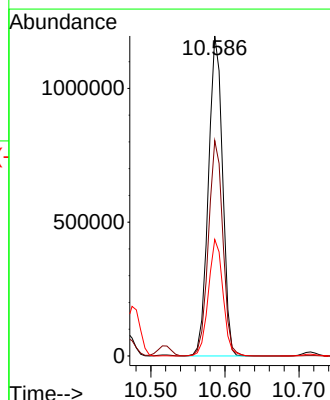
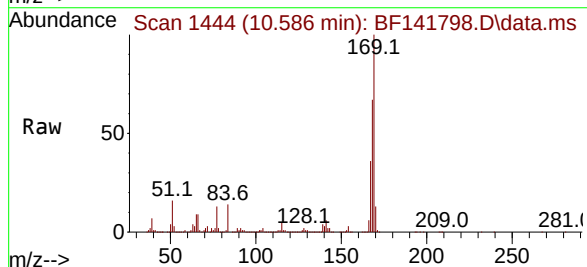
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

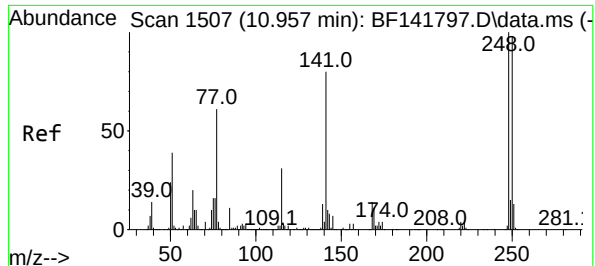
Tgt Ion:198 Resp: 227493
Ion Ratio Lower Upper
198 100
51 47.7 32.1 72.1
105 46.1 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 48.041 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:169 Resp: 1588976
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 36.4 29.3 43.9

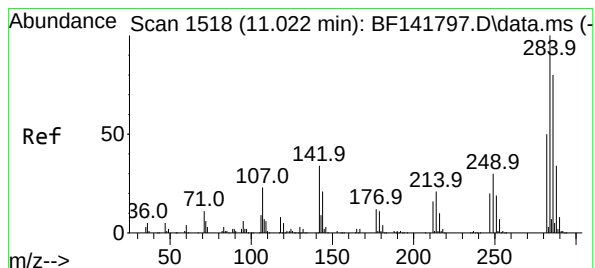
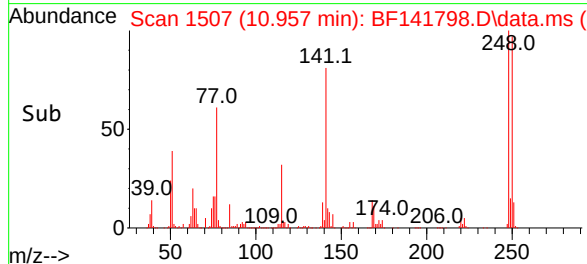
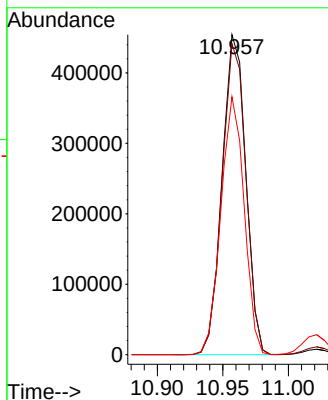
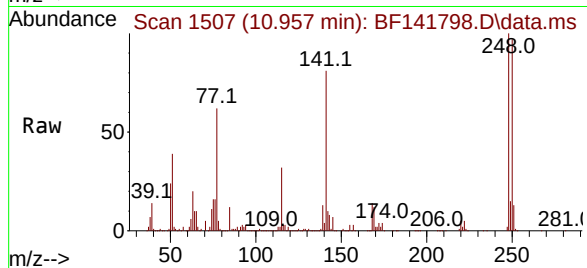




#67
4-Bromophenyl-phenylether
Concen: 48.631 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

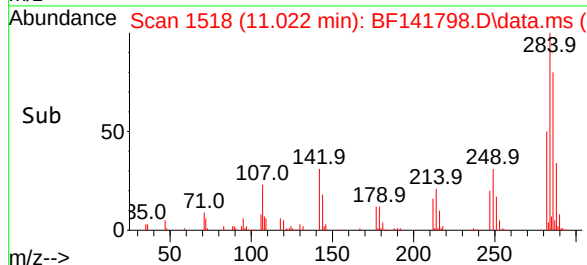
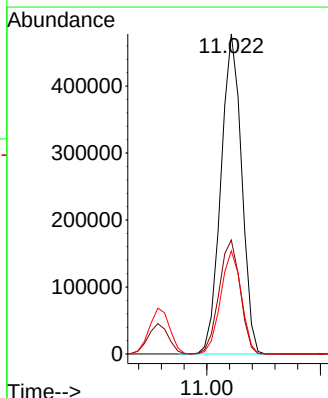
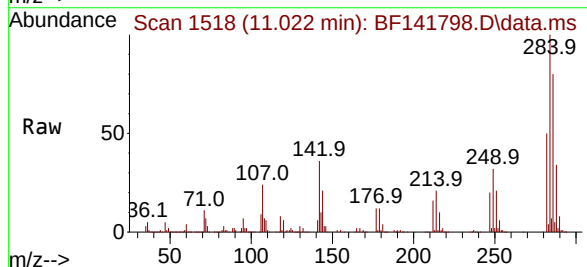
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

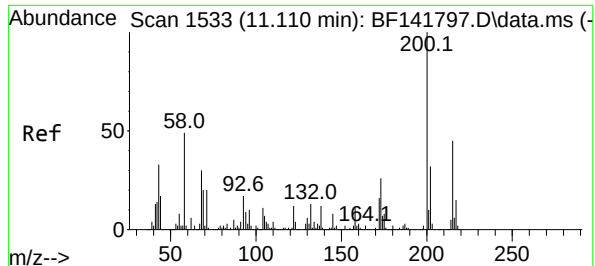
Tgt Ion:248 Resp: 572161
Ion Ratio Lower Upper
248 100
250 97.2 78.1 117.1
141 80.6 64.3 96.5



#68
Hexachlorobenzene
Concen: 48.705 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:284 Resp: 605103
Ion Ratio Lower Upper
284 100
142 35.6 28.2 42.2
249 32.2 25.5 38.3





#69

Atrazine

Concen: 41.179 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

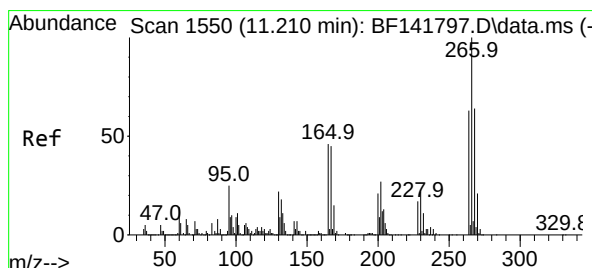
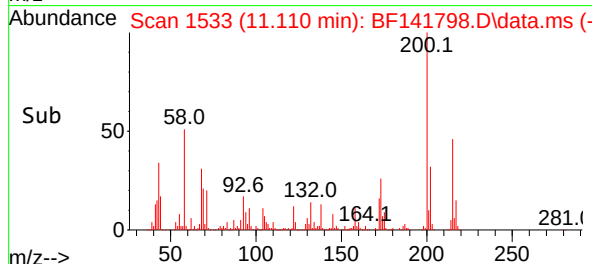
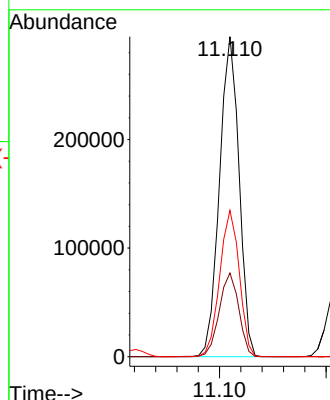
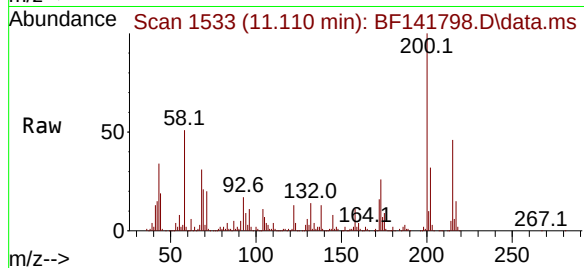
Tgt Ion:200 Resp: 374540

Ion Ratio Lower Upper

200 100

173 26.2 5.6 45.6

215 45.7 25.3 65.3



#70

Pentachlorophenol

Concen: 50.809 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

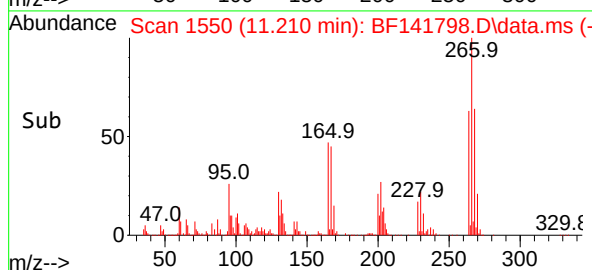
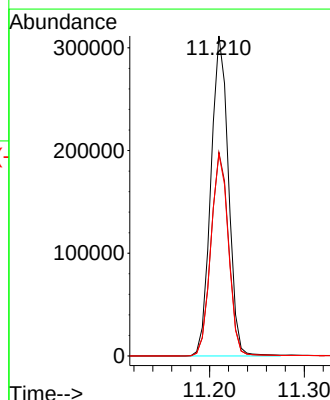
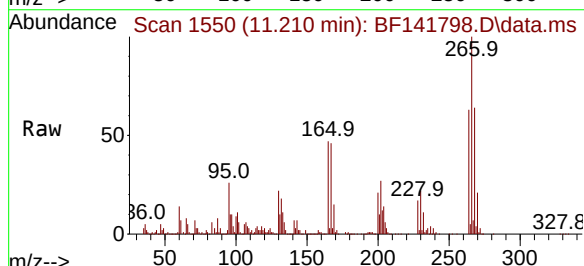
Tgt Ion:266 Resp: 400352

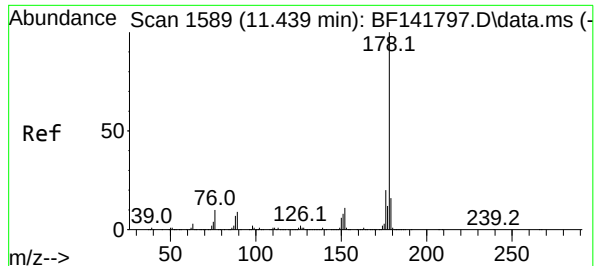
Ion Ratio Lower Upper

266 100

268 63.6 50.9 76.3

264 63.2 50.2 75.4

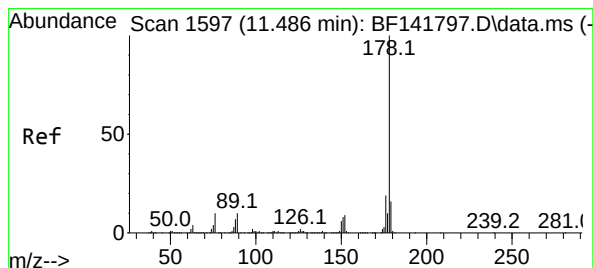
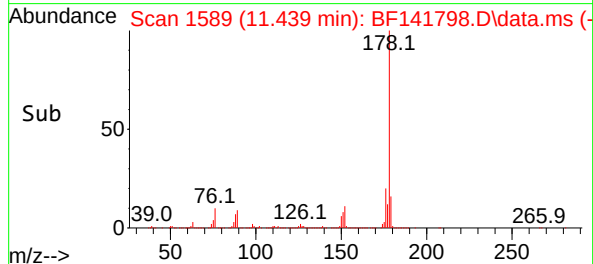
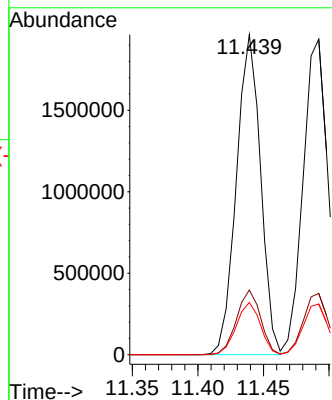
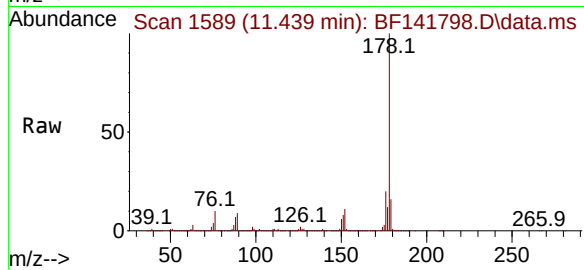




#71
Phenanthrene
Concen: 46.806 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

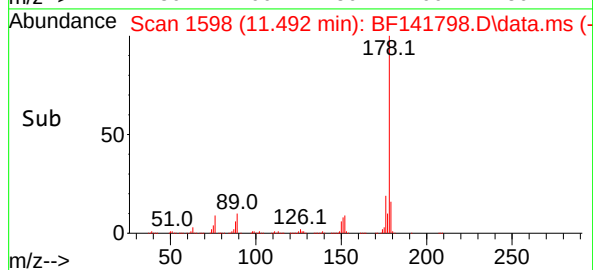
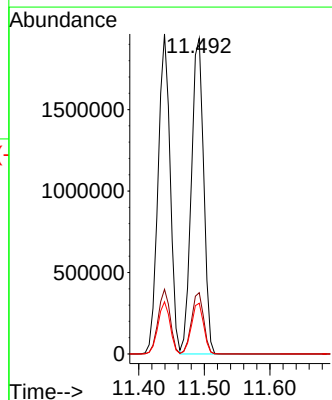
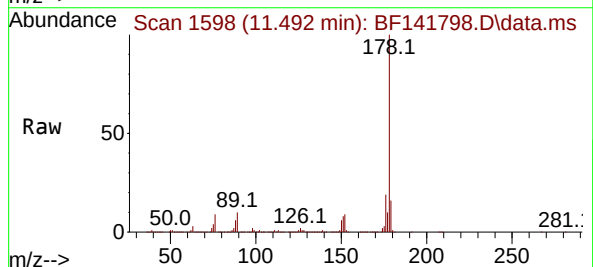
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

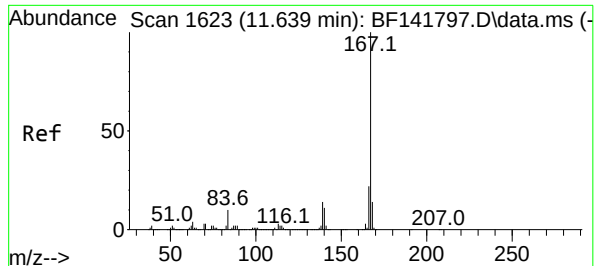
Tgt Ion:178 Resp: 2521849
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.3 12.6 19.0



#72
Anthracene
Concen: 46.707 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:178 Resp: 2522132
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 16.1 12.8 19.2

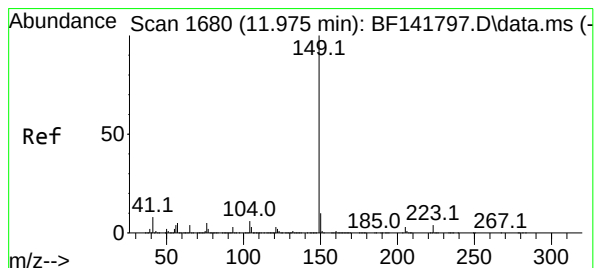
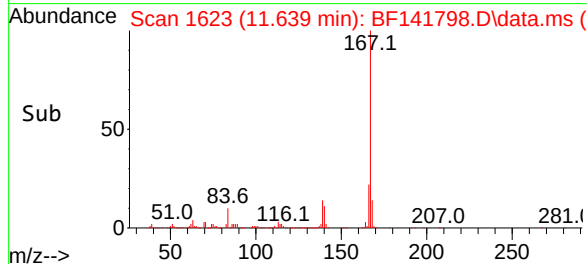
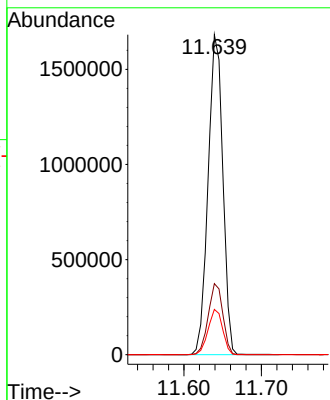
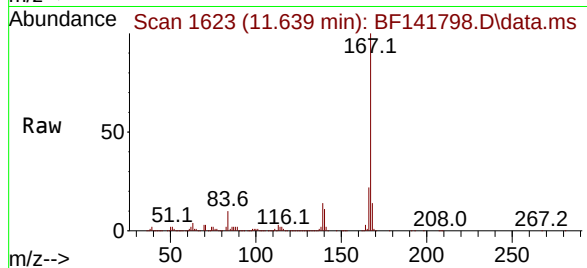




#73
Carbazole
Concen: 46.572 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

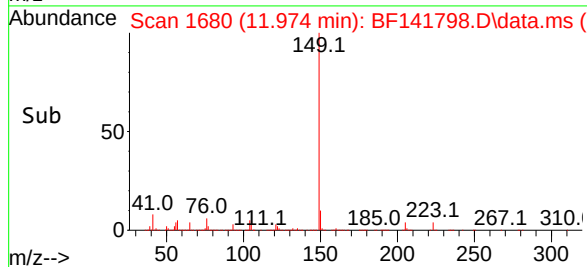
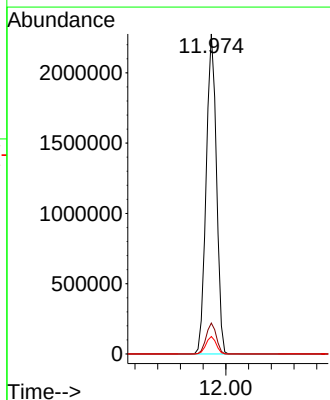
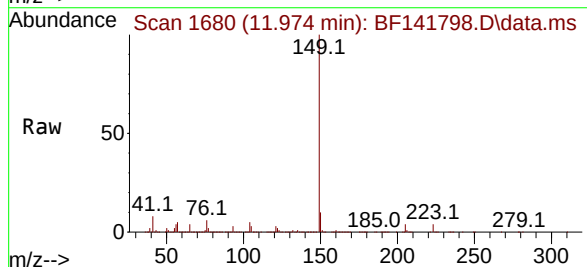
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

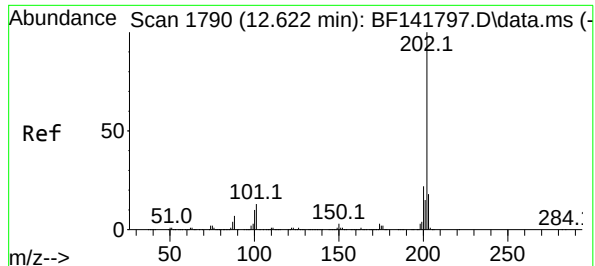
Tgt Ion:167 Resp: 2220778
Ion Ratio Lower Upper
167 100
166 22.2 17.5 26.3
139 14.2 11.3 16.9



#74
Di-n-butylphthalate
Concen: 46.982 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 2839813
Ion Ratio Lower Upper
149 100
150 9.6 7.7 11.5
104 5.5 4.4 6.6

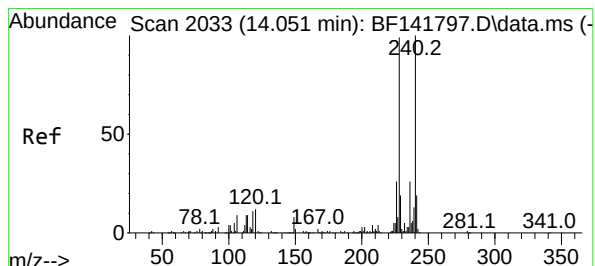
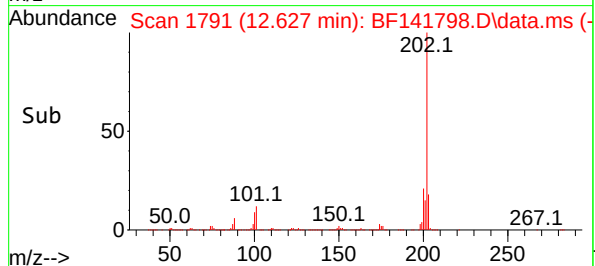
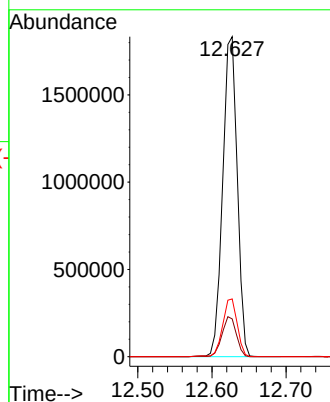
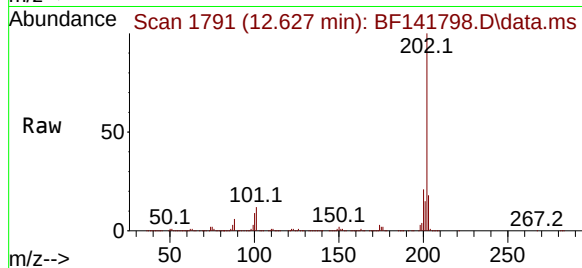




#75
Fluoranthene
Concen: 45.269 ng
RT: 12.627 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

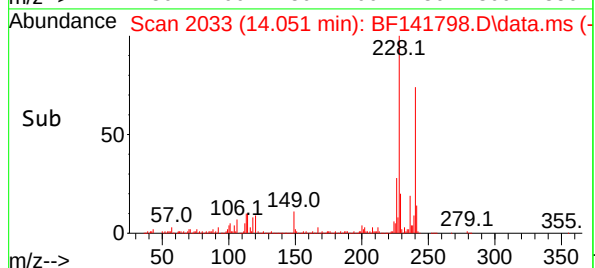
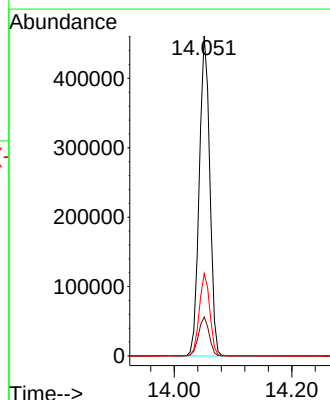
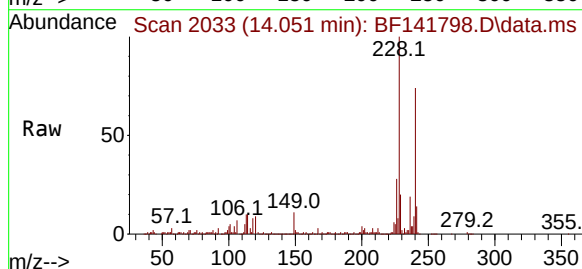
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

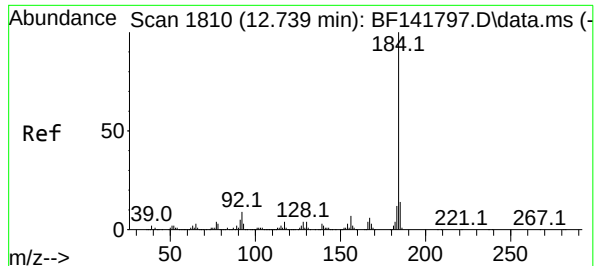
Tgt Ion:202 Resp: 2499217
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.8
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:240 Resp: 571903
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.8 21.0 31.4

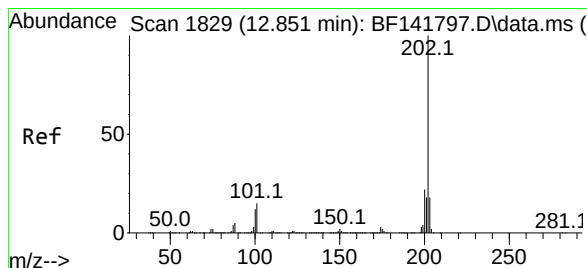
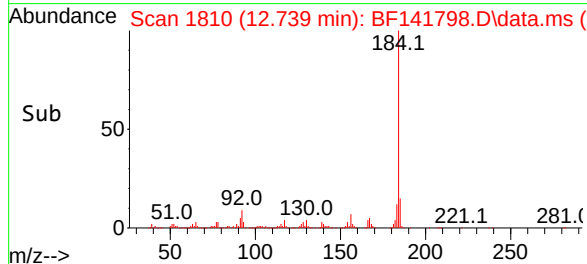
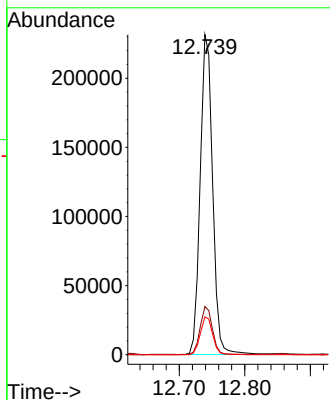
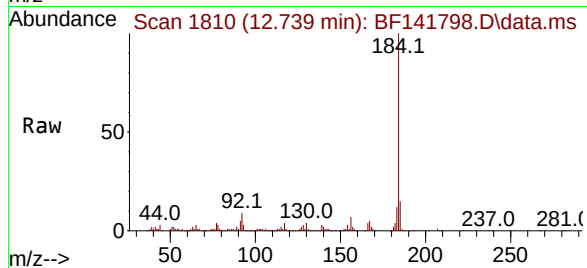




#77
Benzidine
Concen: 42.453 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

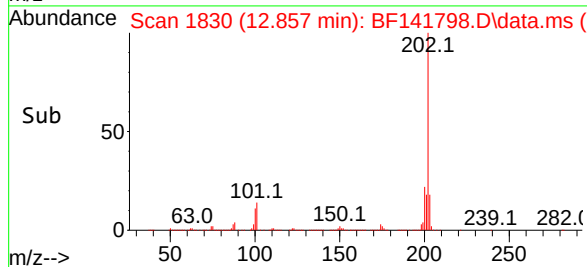
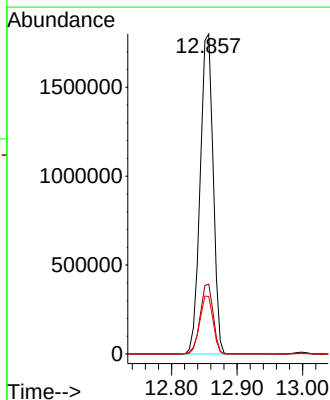
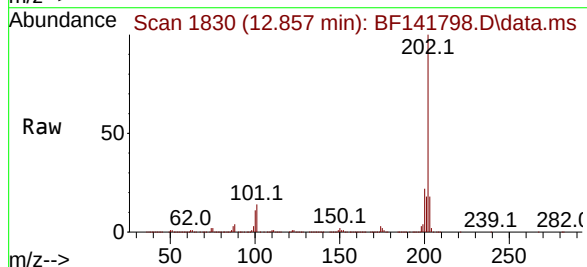
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

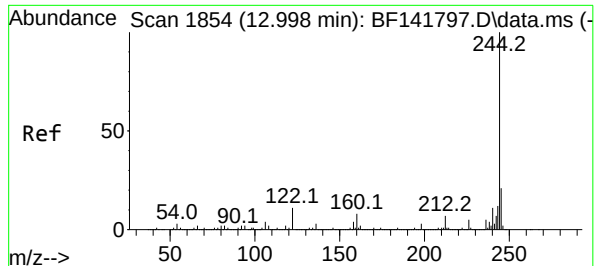
Tgt Ion:184 Resp: 305582
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 11.8 9.4 14.0



#78
Pyrene
Concen: 50.178 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:202 Resp: 2484995
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.0
203 18.0 14.6 22.0





#79

Terphenyl-d14

Concen: 99.483 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

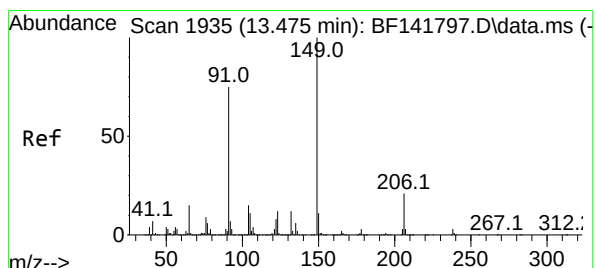
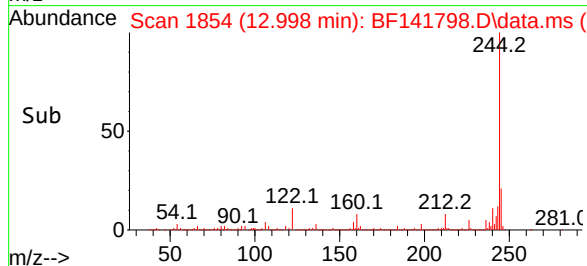
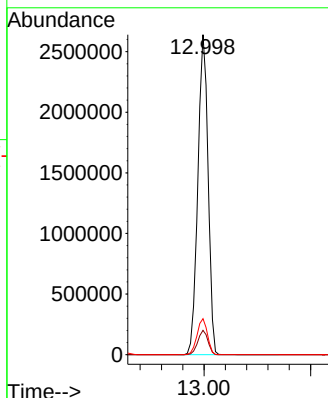
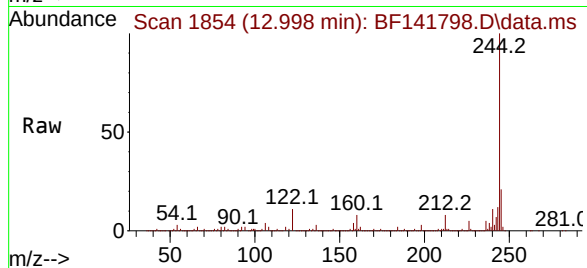
Tgt Ion:244 Resp: 3516535

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 11.3 9.0 13.6



#80

Butylbenzylphthalate

Concen: 51.657 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

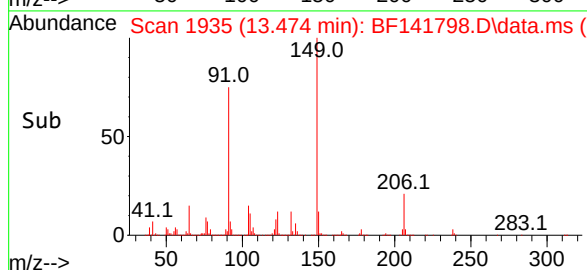
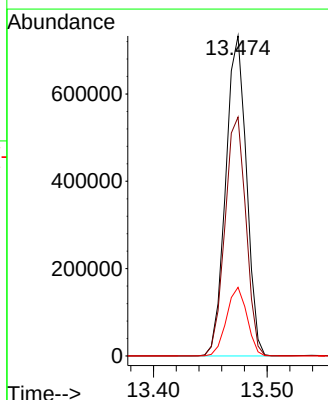
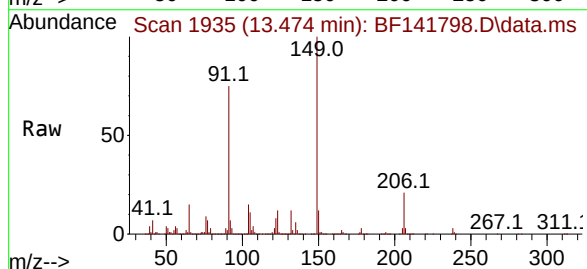
Tgt Ion:149 Resp: 929464

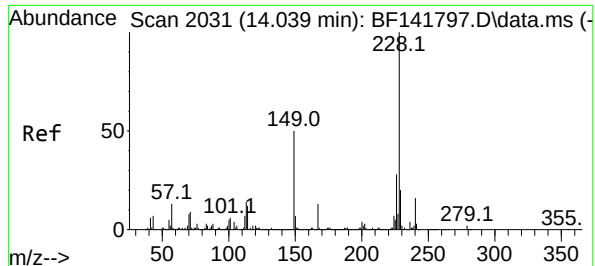
Ion Ratio Lower Upper

149 100

91 74.7 60.1 90.1

206 21.4 16.8 25.2





#81

Benzo(a)anthracene

Concen: 47.067 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

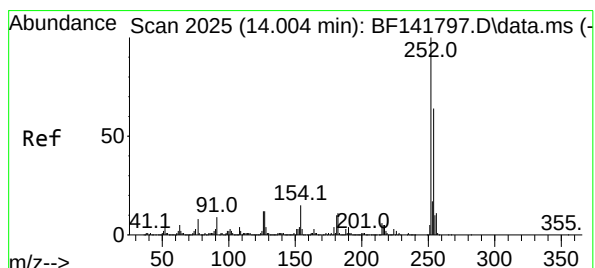
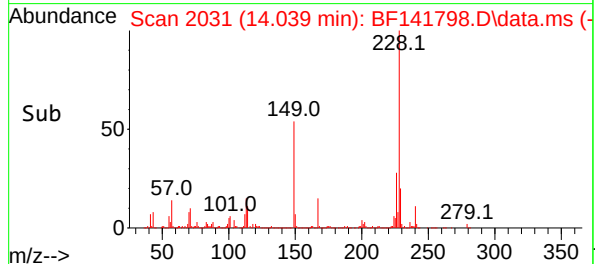
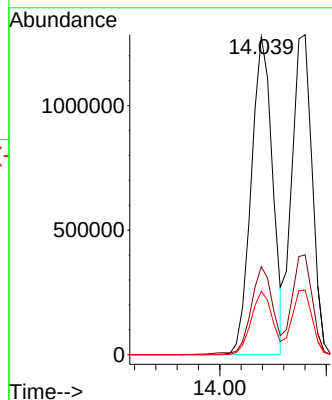
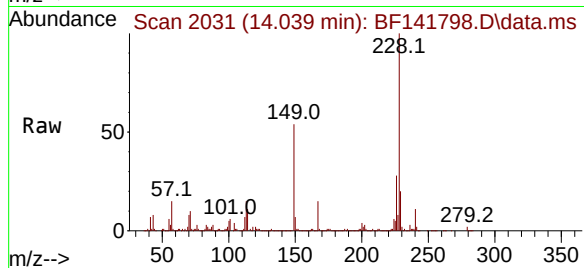
Tgt Ion:228 Resp: 1777948

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

229 19.9 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 48.021 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

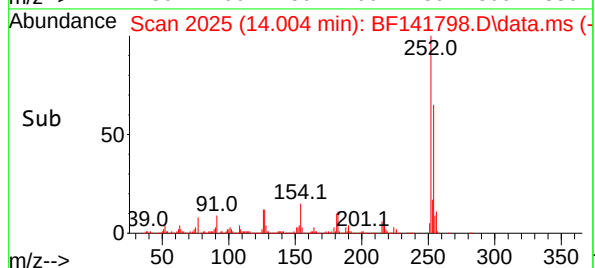
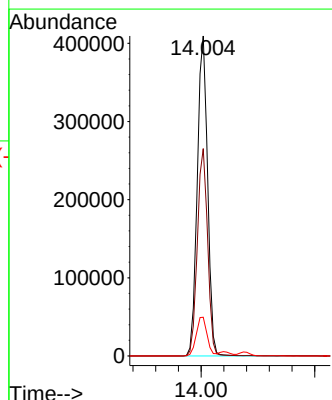
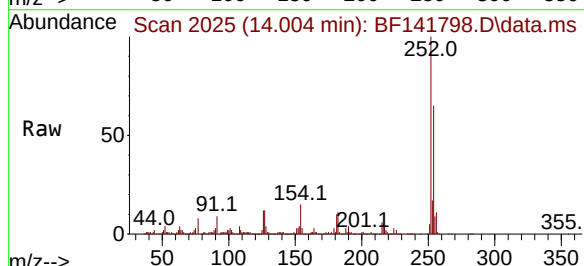
Tgt Ion:252 Resp: 520451

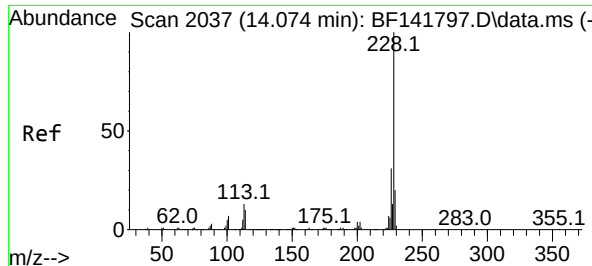
Ion Ratio Lower Upper

252 100

254 64.8 51.4 77.0

126 12.1 9.8 14.6

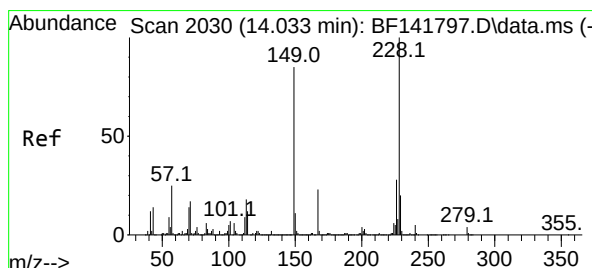
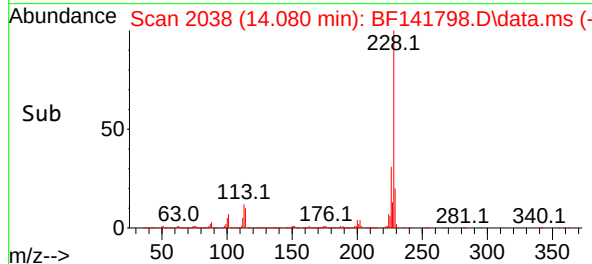
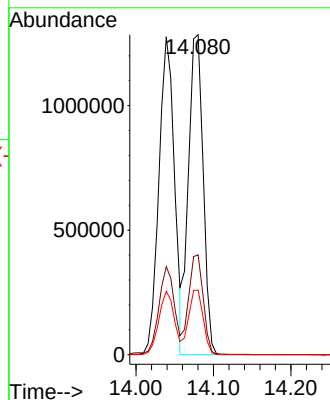
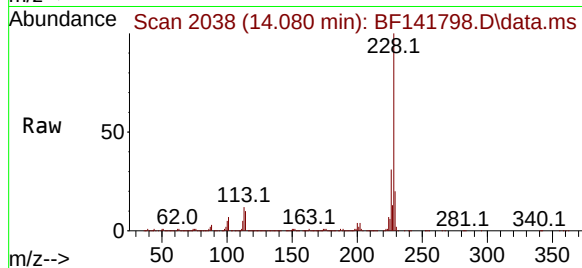




#83
Chrysene
Concen: 48.659 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

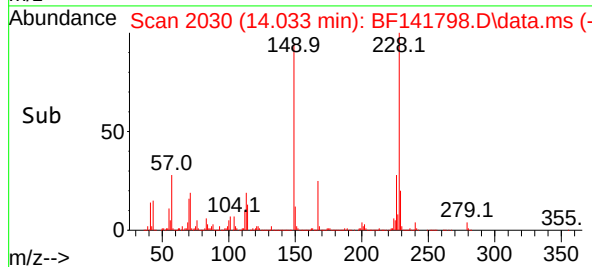
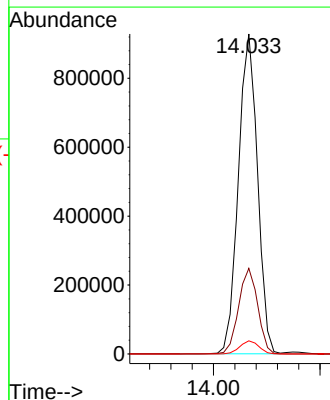
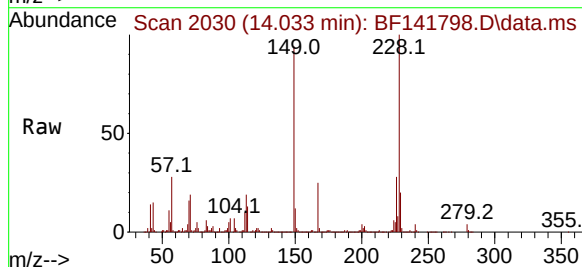
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

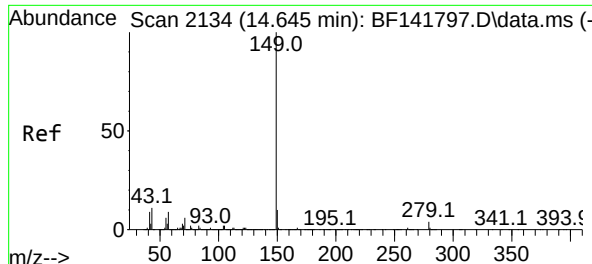
Tgt Ion:228 Resp: 1694396
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 20.2 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.766 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1159761
Ion Ratio Lower Upper
149 100
167 26.8 21.2 31.8
279 4.1 3.3 4.9

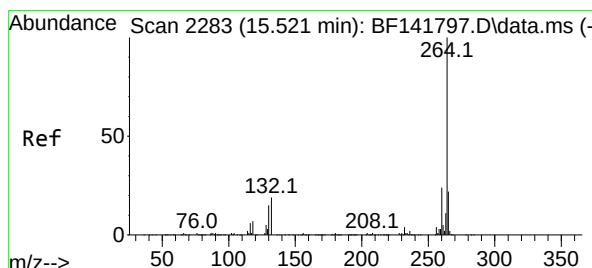
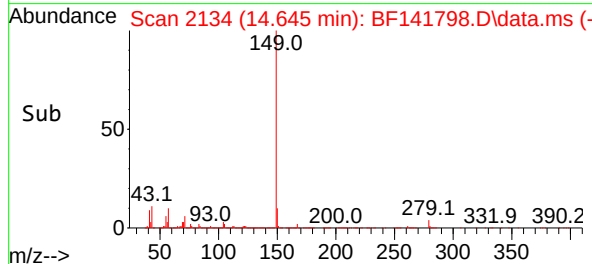
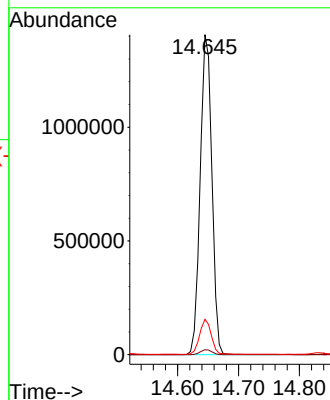
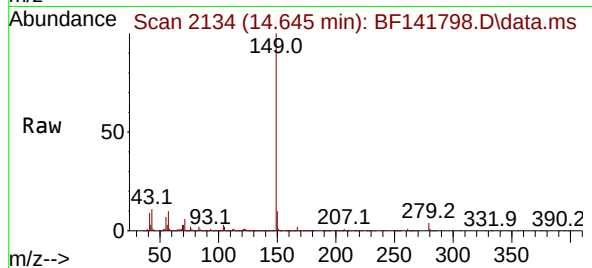




#85
Di-n-octyl phthalate
Concen: 55.606 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

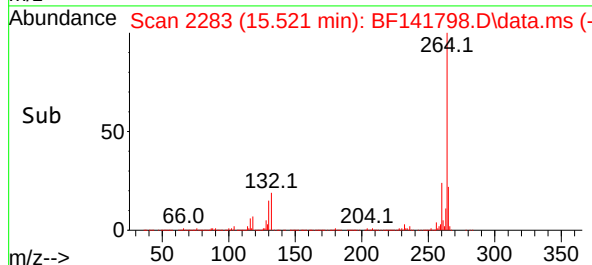
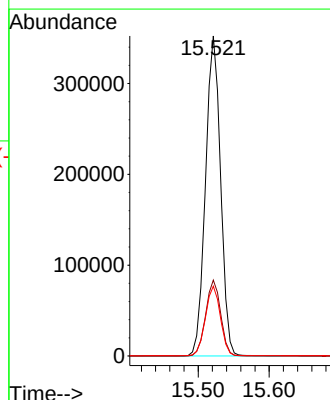
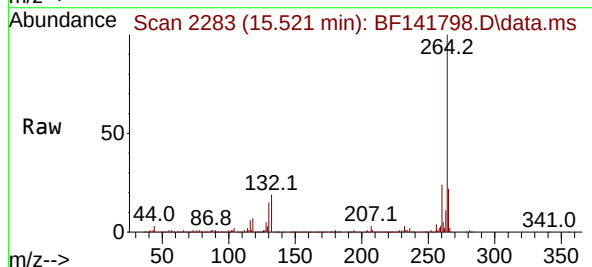
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

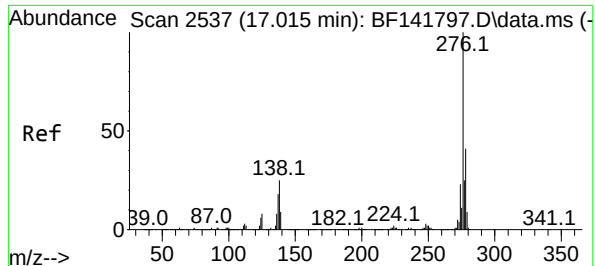
Tgt Ion:149 Resp: 1865081
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.8 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:264 Resp: 520644
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.8 17.4 26.0

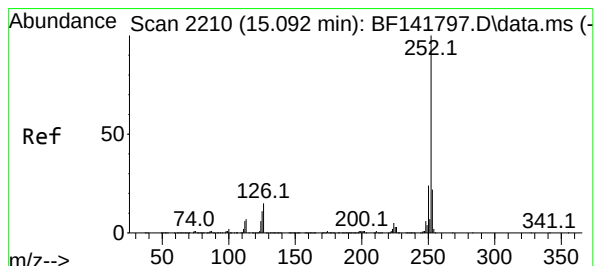
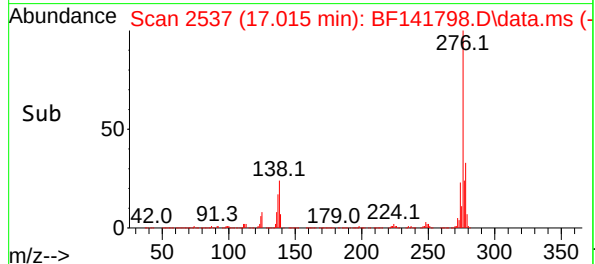
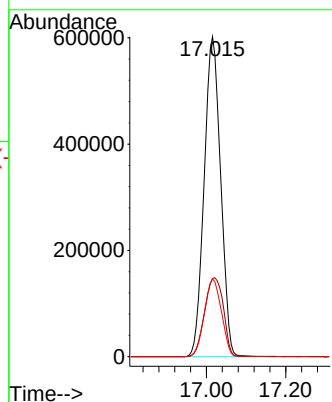
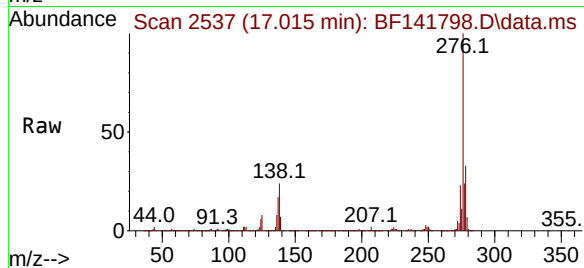




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.510 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

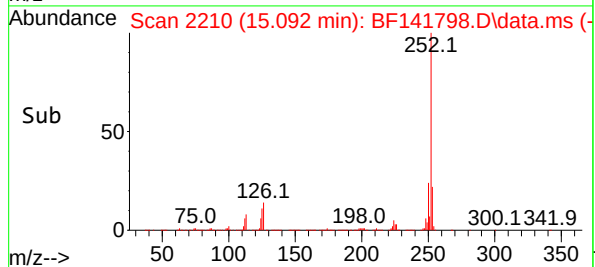
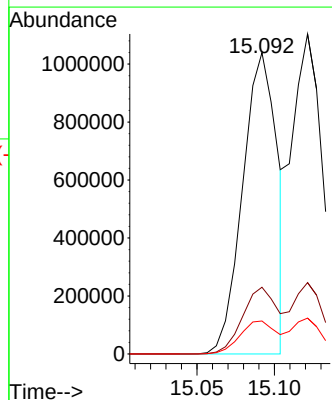
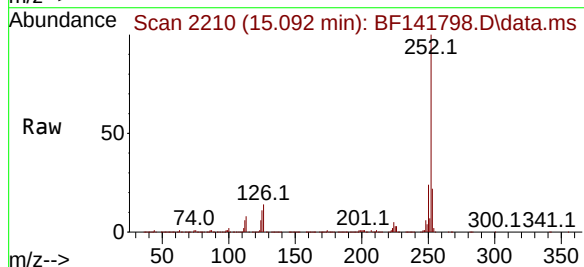
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

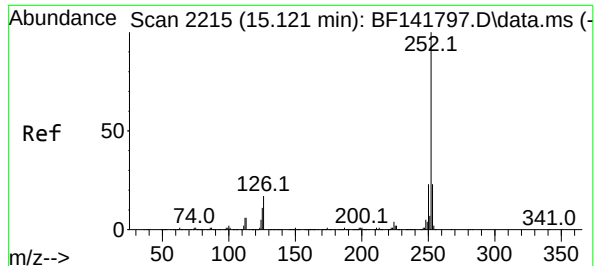
Tgt Ion:276 Resp: 1740850
Ion Ratio Lower Upper
276 100
138 28.1 22.5 33.7
277 25.1 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 45.220 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 1603729
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 50.326 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

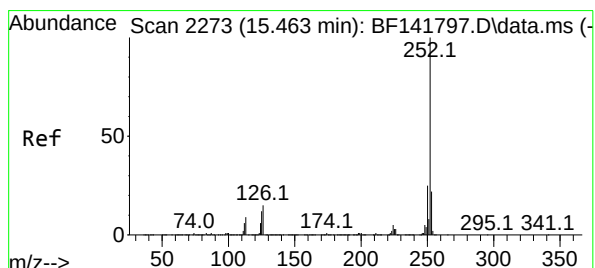
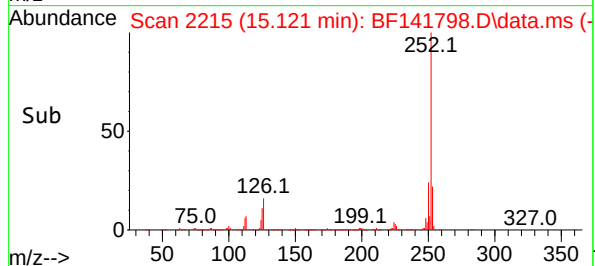
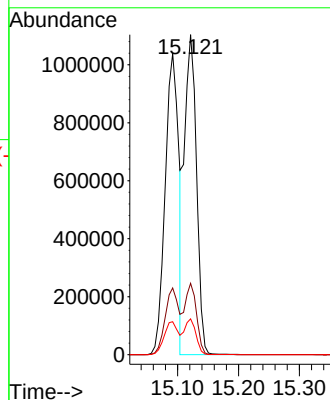
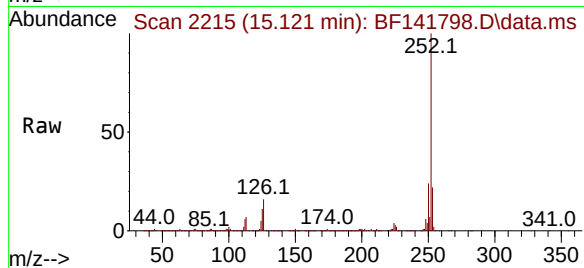
Tgt Ion:252 Resp: 1516995

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 11.2 8.8 13.2



#90

Benzo(a)pyrene

Concen: 48.495 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

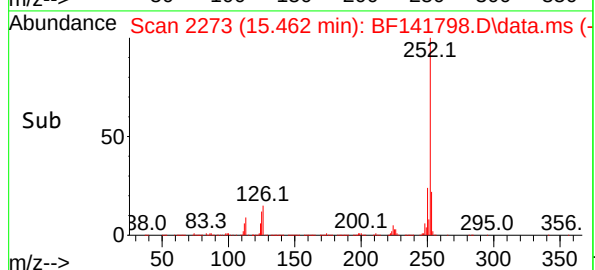
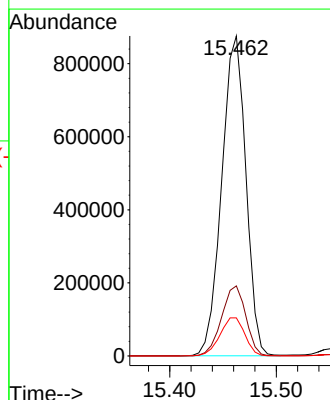
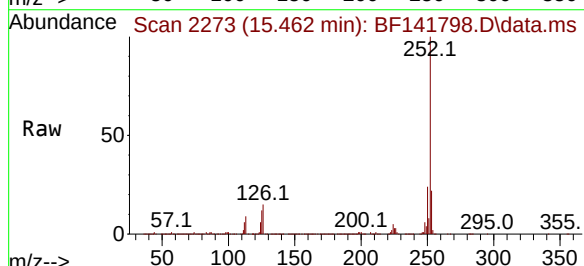
Tgt Ion:252 Resp: 1379319

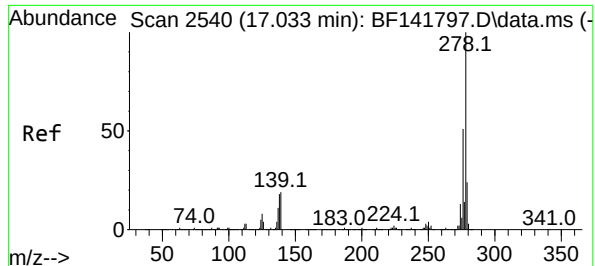
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 52.616 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

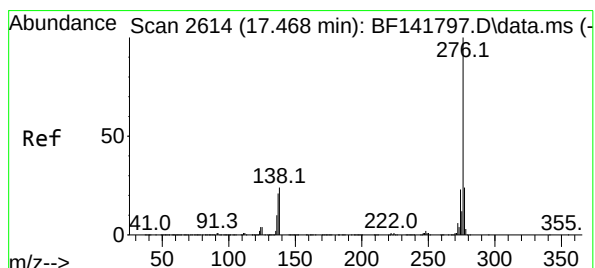
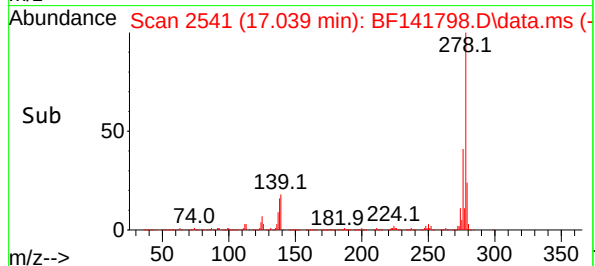
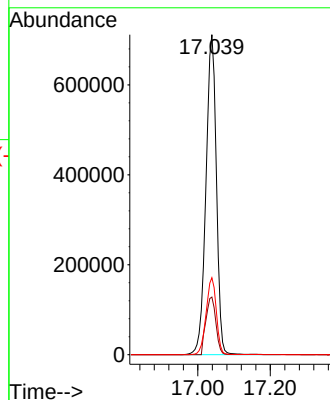
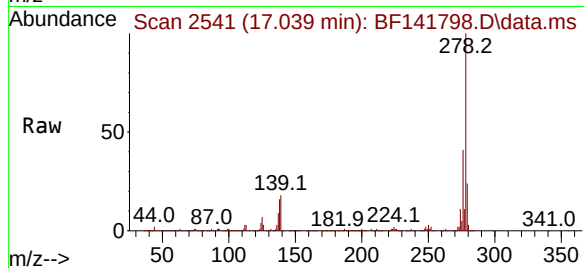
Tgt Ion:278 Resp: 1423862

Ion Ratio Lower Upper

278 100

139 18.0 14.9 22.3

279 24.1 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 53.005 ng

RT: 17.474 min Scan# 2615

Delta R.T. 0.006 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

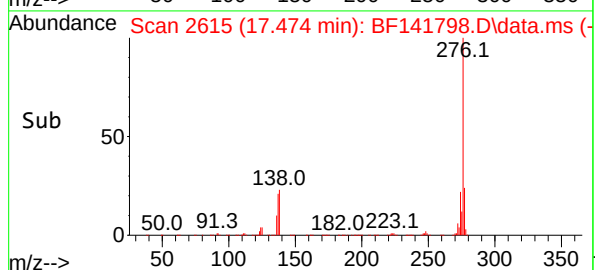
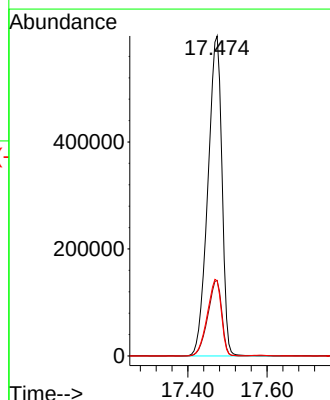
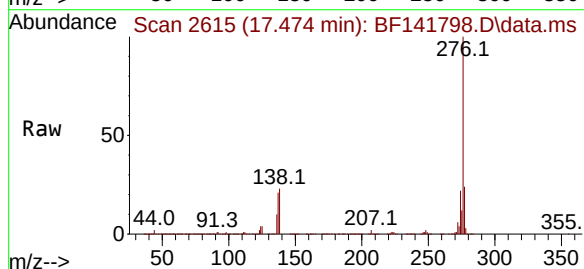
Tgt Ion:276 Resp: 1469480

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 23.5 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141799.D
 Acq On : 27 Feb 2025 18:15
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Feb 28 01:27:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	297770	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1163023	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	617087	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	999271	20.000	ng	0.00
76) Chrysene-d12	14.051	240	562939	20.000	ng	0.00
86) Perylene-d12	15.521	264	517191	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	2100577	112.657	ng	0.00
7) Phenol-d6	6.516	99	2720970	112.117	ng	0.00
23) Nitrobenzene-d5	7.457	82	2374498	130.503	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	725271	125.191	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	4223426	109.742	ng	0.00
79) Terphenyl-d14	12.998	244	4143891	119.098	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	494559	58.455	ng	99
3) Pyridine	3.451	79	1241030	58.955	ng	99
4) n-Nitrosodimethylamine	3.410	42	612676	60.489	ng	98
6) Aniline	6.557	93	1451456	57.840	ng	99
8) 2-Chlorophenol	6.681	128	1130771	56.061	ng	99
9) Benzaldehyde	6.445	77	736273	52.156	ng	99
10) Phenol	6.534	94	1451317	56.130	ng	97
11) bis(2-Chloroethyl)ether	6.634	93	1130421	57.184	ng	98
12) 1,3-Dichlorobenzene	6.834	146	1215544	56.273	ng	99
13) 1,4-Dichlorobenzene	6.910	146	1230489	56.536	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1134751	55.834	ng	100
15) Benzyl Alcohol	7.034	79	1108848	57.170	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1706347	56.838	ng	99
17) 2-Methylphenol	7.134	107	968603	58.177	ng	99
18) Hexachloroethane	7.404	117	473809	58.163	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	899573	56.387	ng	99
20) 3+4-Methylphenols	7.292	107	1144144	55.188	ng	95
22) Acetophenone	7.304	105	1588210	56.070	ng	99
24) Nitrobenzene	7.475	77	1244392	63.867	ng	98
25) Isophorone	7.716	82	2297900	58.786	ng	100
26) 2-Nitrophenol	7.786	139	540018	60.712	ng	98
27) 2,4-Dimethylphenol	7.822	122	832135	57.912	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1423641	57.094	ng	100
29) 2,4-Dichlorophenol	8.028	162	981508	59.211	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	1051434	57.885	ng	100
31) Naphthalene	8.198	128	3313144	55.427	ng	99
32) Benzoic acid	7.957	122	749284	60.158	ng	99
33) 4-Chloroaniline	8.245	127	1243216	56.723	ng	100
34) Hexachlorobutadiene	8.310	225	666891	59.082	ng	99
35) Caprolactam	8.628	113	309453	60.671	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	1082457	58.783	ng	99
37) 2-Methylnaphthalene	8.886	142	2160902	55.115	ng	100
38) 1-Methylnaphthalene	8.986	142	2071154	55.054	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	1024373	57.477	ng	99
41) Hexachlorocyclopentadiene	9.039	237	458054	61.586	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	681760	59.220	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141799.D
 Acq On : 27 Feb 2025 18:15
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

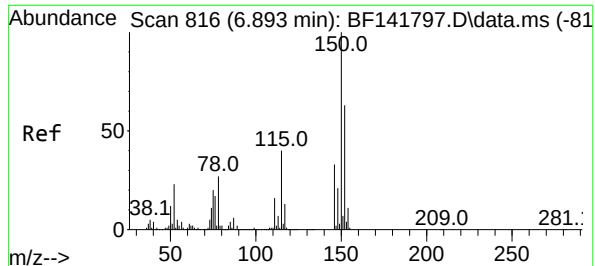
Quant Time: Feb 28 01:27:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	703662	61.725	ng	99
46) 1,1'-Biphenyl	9.351	154	2626139	55.911	ng	99
47) 2-Chloronaphthalene	9.375	162	1982513	57.187	ng	99
48) 2-Nitroaniline	9.469	65	590092	60.902	ng	98
49) Acenaphthylene	9.792	152	2954653	56.845	ng	100
50) Dimethylphthalate	9.657	163	2379542	57.581	ng	100
51) 2,6-Dinitrotoluene	9.710	165	491402	61.325	ng	98
52) Acenaphthene	9.963	154	2006502	57.211	ng	99
53) 3-Nitroaniline	9.880	138	521575	61.078	ng	99
54) 2,4-Dinitrophenol	9.980	184	207307	62.312	ng	# 13
55) Dibenzofuran	10.133	168	2854091	55.911	ng	99
56) 4-Nitrophenol	10.028	139	424581	69.564	ng	100
57) 2,4-Dinitrotoluene	10.116	165	601539	61.246	ng	99
58) Fluorene	10.480	166	2099887	54.917	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	596455	60.159	ng	99
60) Diethylphthalate	10.351	149	2360216	56.972	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	1079059	56.324	ng	98
62) 4-Nitroaniline	10.498	138	490806	69.546	ng	99
63) Azobenzene	10.627	77	2453259	56.242	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	300954	61.255	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1867463	56.913	ng	98
67) 4-Bromophenyl-phenylether	10.963	248	688777	59.012	ng	97
68) Hexachlorobenzene	11.022	284	726507	58.945	ng	98
69) Atrazine	11.110	200	416878	46.200	ng	100
70) Pentachlorophenol	11.210	266	492228	62.968	ng	99
71) Phenanthrene	11.439	178	3002094	56.165	ng	99
72) Anthracene	11.492	178	2966353	55.373	ng	99
73) Carbazole	11.639	167	2612132	55.217	ng	99
74) Di-n-butylphthalate	11.974	149	3338525	55.675	ng	99
75) Fluoranthene	12.627	202	2940034	53.680	ng	99
77) Benzidine	12.739	184	306135	43.207	ng	99
78) Pyrene	12.857	202	2927964	60.064	ng	100
80) Butylbenzylphthalate	13.474	149	1126511	63.605	ng	100
81) Benzo(a)anthracene	14.039	228	2130928	57.309	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	614898	57.639	ng	100
83) Chrysene	14.080	228	2040957	59.545	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1398602	63.421	ng	99
85) Di-n-octyl phthalate	14.645	149	2225625	67.411	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	2127125	64.589	ng	100
88) Benzo(b)fluoranthene	15.092	252	2126076	60.349	ng	99
89) Benzo(k)fluoranthene	15.121	252	1614240	53.909	ng	100
90) Benzo(a)pyrene	15.462	252	1676196	59.327	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	1708189	63.544	ng	100
92) Benzo(g,h,i)perylene	17.474	276	1792957	65.105	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

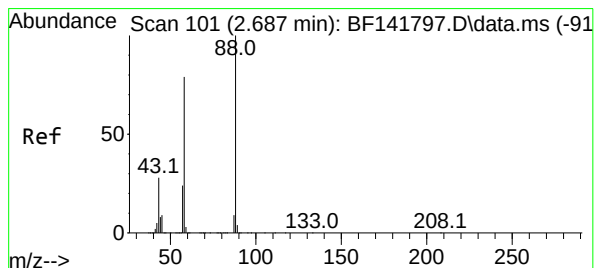
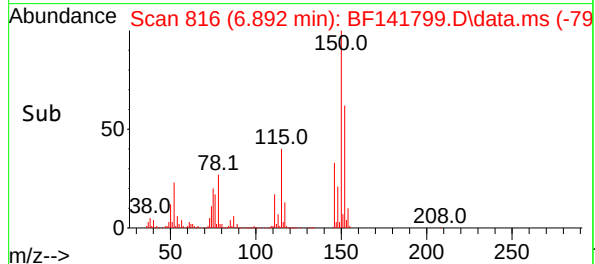
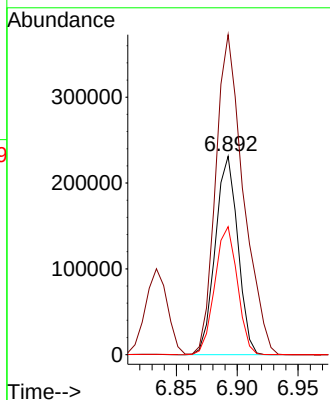
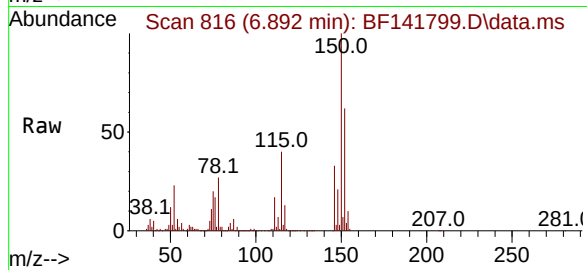
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

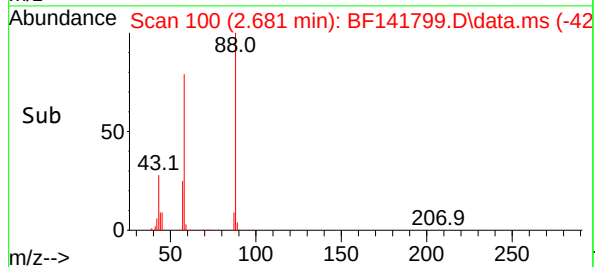
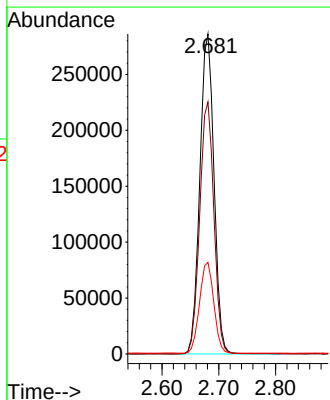
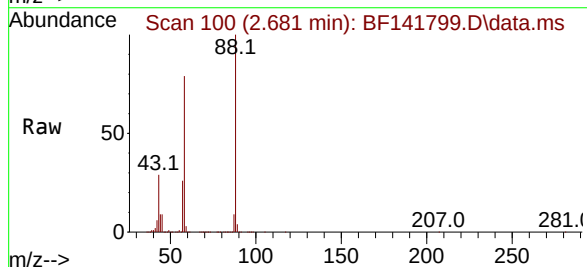
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BNA_F
ClientSampleId :
SSTDICC060

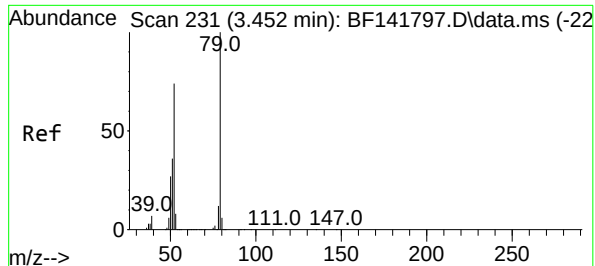
Tgt Ion:152 Resp: 297770
Ion Ratio Lower Upper
152 100
150 161.3 127.5 191.3
115 64.5 51.4 77.2



#2
1,4-Dioxane
Concen: 58.455 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 88 Resp: 494559
Ion Ratio Lower Upper
88 100
58 79.2 63.9 95.9
43 28.6 23.0 34.6





#3

Pyridine

Concen: 58.955 ng

RT: 3.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

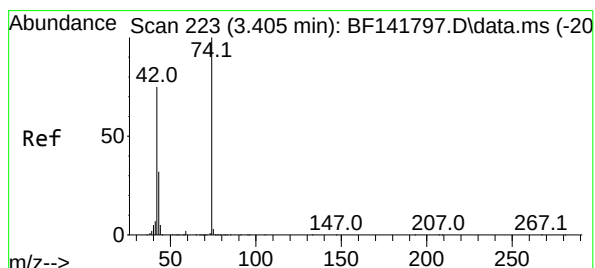
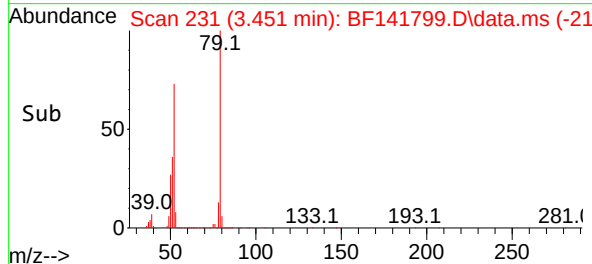
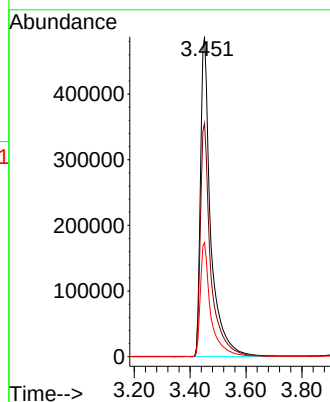
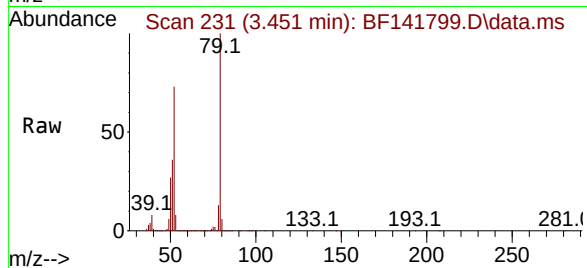
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 1241030

Ion	Ratio	Lower	Upper
79	100		
52	73.0	59.0	88.4
51	35.6	29.0	43.4



#4

n-Nitrosodimethylamine

Concen: 60.489 ng

RT: 3.410 min Scan# 224

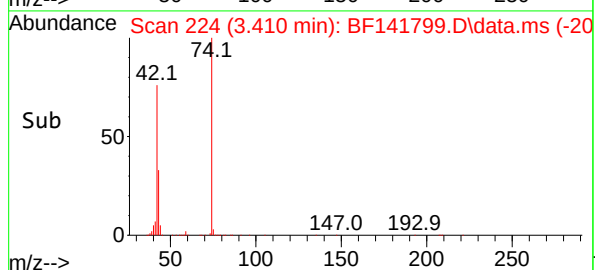
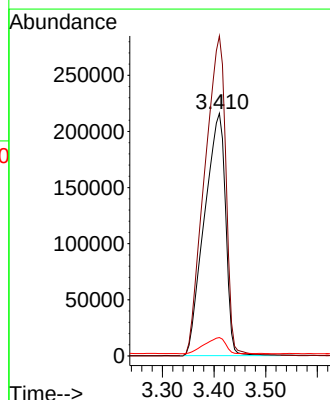
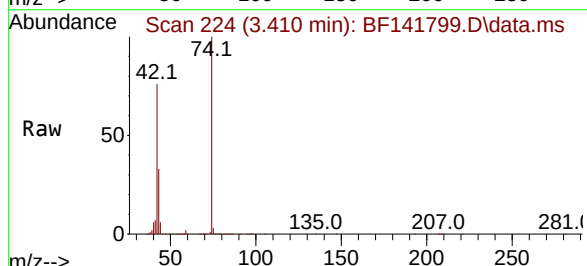
Delta R.T. 0.006 min

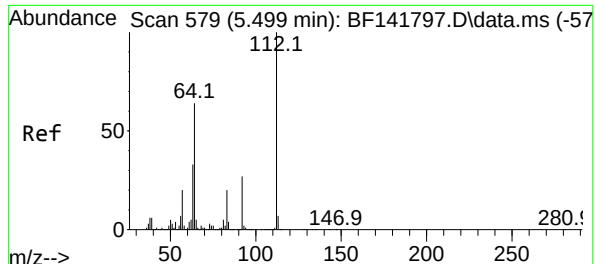
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 42 Resp: 612676

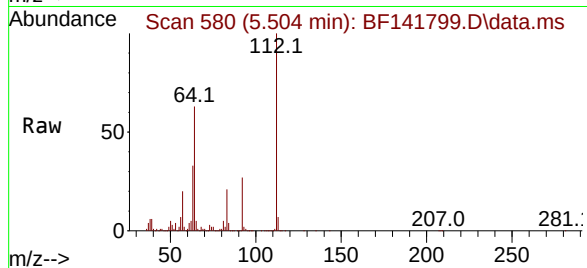
Ion	Ratio	Lower	Upper
42	100		
74	131.9	107.1	160.7
44	7.6	6.6	9.8



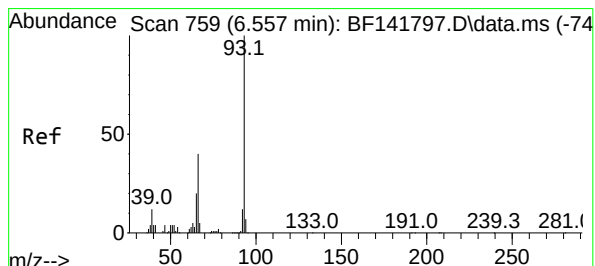
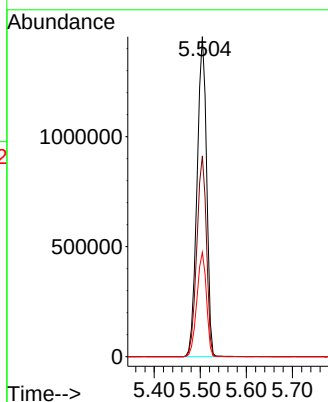
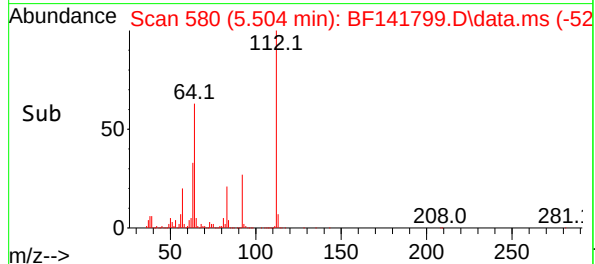


#5
2-Fluorophenol
Concen: 112.657 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

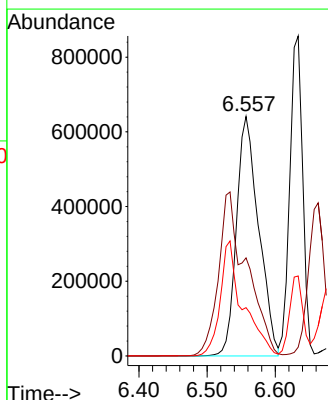
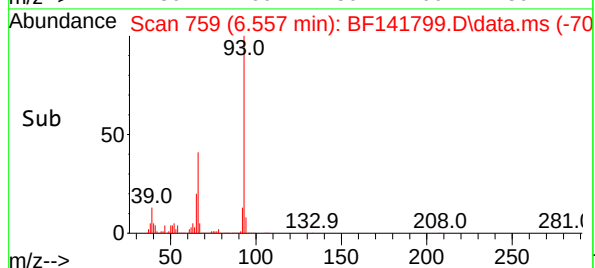
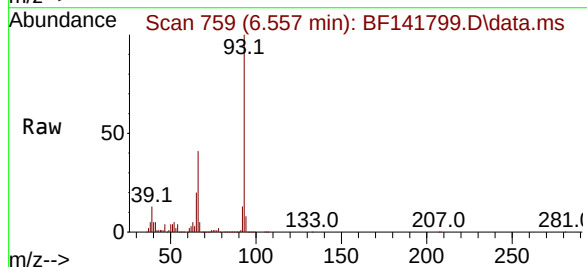


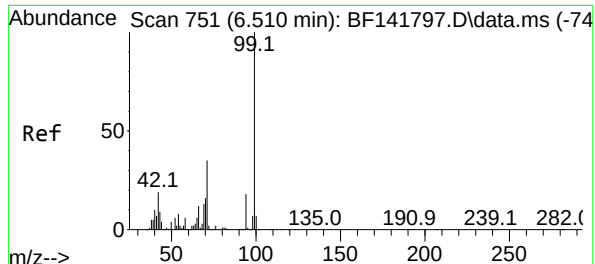
Tgt Ion:112 Resp: 2100577
Ion Ratio Lower Upper
112 100
64 62.8 51.3 76.9
63 32.6 26.2 39.4



#6
Aniline
Concen: 57.840 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 93 Resp: 1451456
Ion Ratio Lower Upper
93 100
66 41.0 32.3 48.5
65 20.2 15.9 23.9





#7

Phenol-d6

Concen: 112.117 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

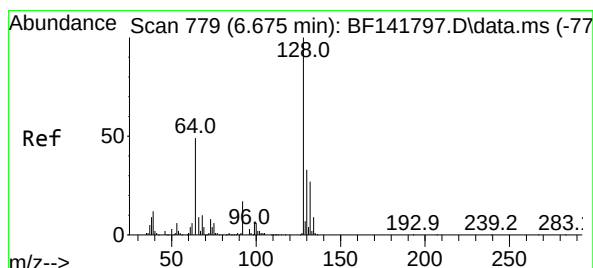
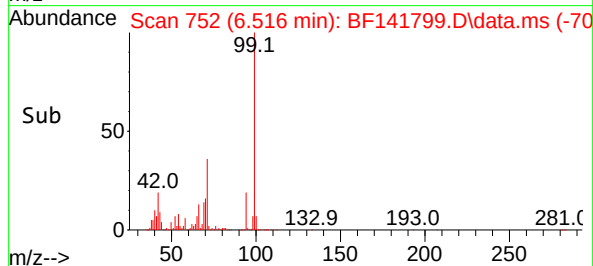
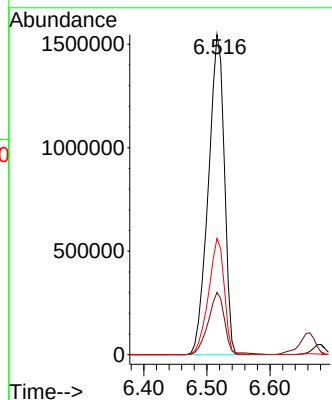
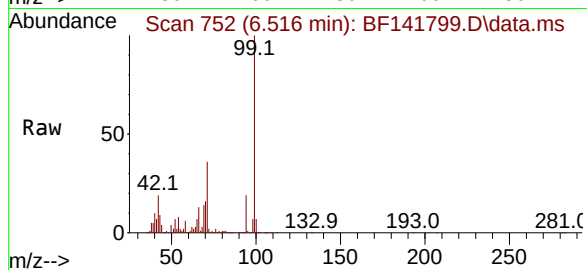
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 2720970

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.2	22.8
71	36.3	28.2	42.2



#8

2-Chlorophenol

Concen: 56.061 ng

RT: 6.681 min Scan# 780

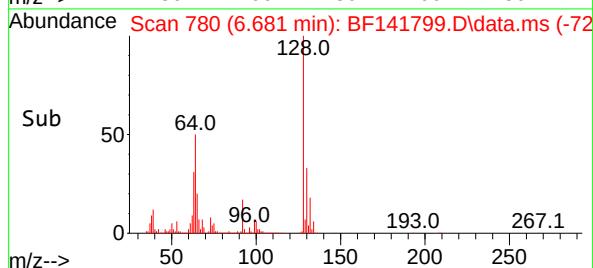
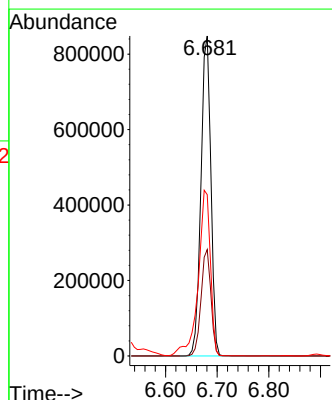
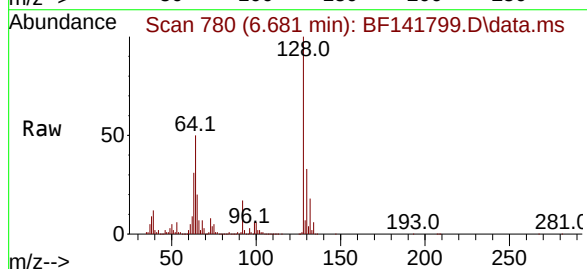
Delta R.T. 0.006 min

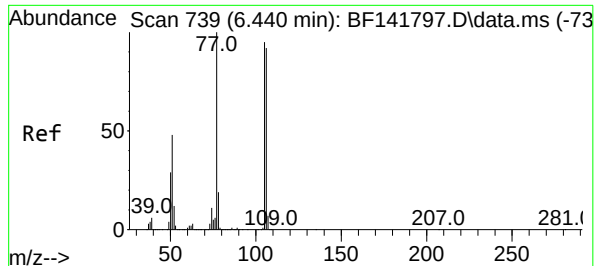
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 128 Resp: 1130771

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	50.4	31.1	71.1

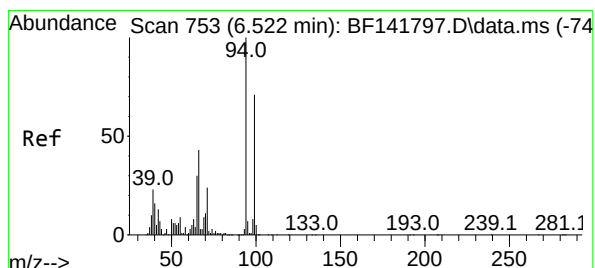
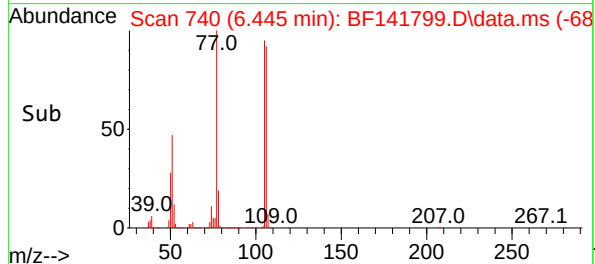
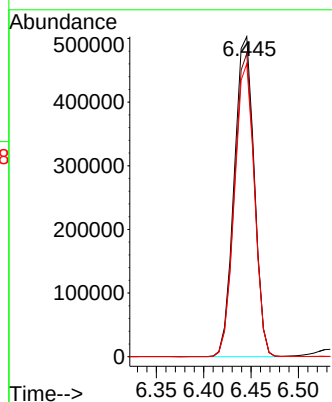
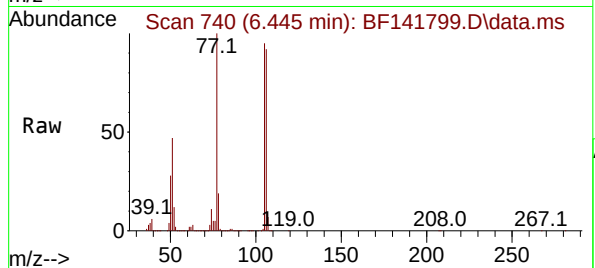




#9
Benzaldehyde
Concen: 52.156 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

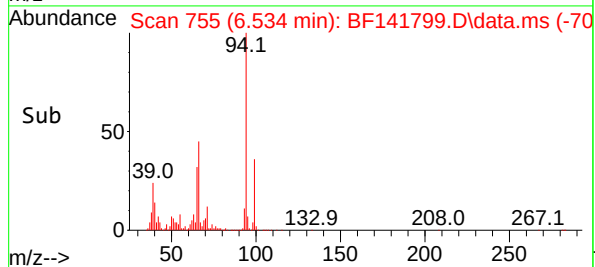
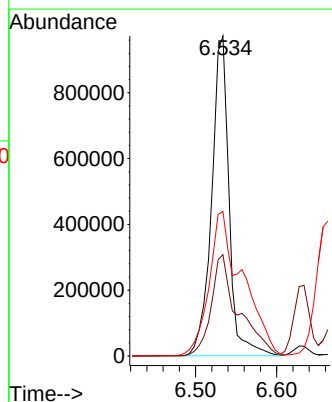
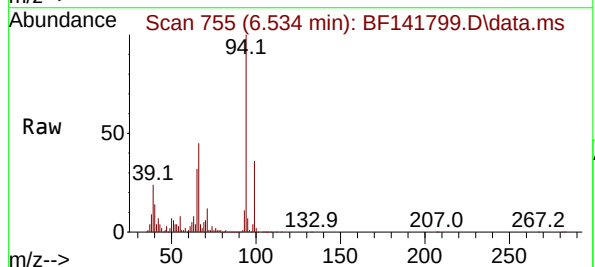
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

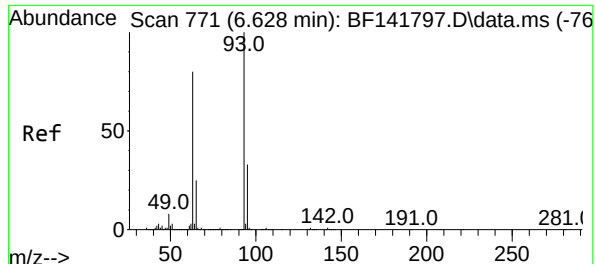
Tgt Ion: 77 Resp: 736273
Ion Ratio Lower Upper
77 100
105 94.7 75.3 115.3
106 91.6 72.3 112.3



#10
Phenol
Concen: 56.130 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 94 Resp: 1451317
Ion Ratio Lower Upper
94 100
65 31.7 10.2 50.2
66 45.1 23.2 63.2

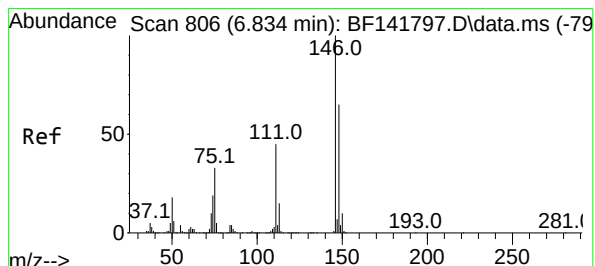
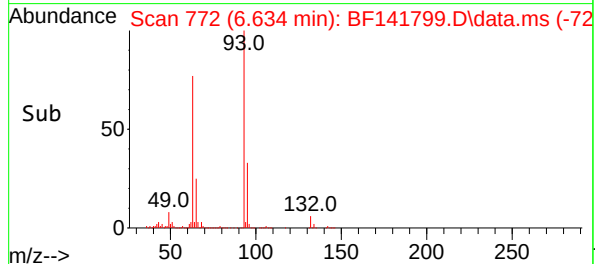
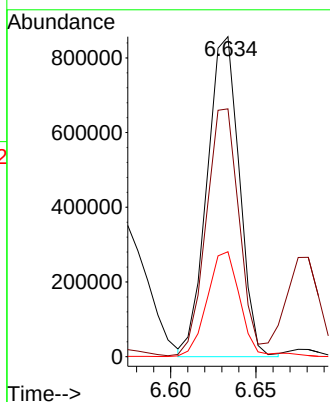
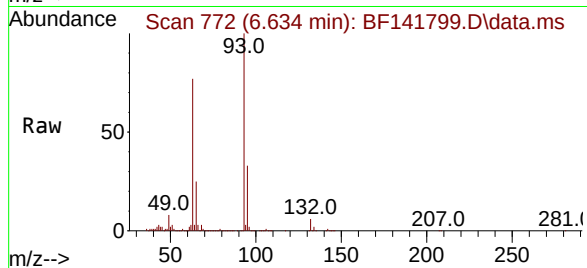




#11
bis(2-Chloroethyl)ether
Concen: 57.184 ng
RT: 6.634 min Scan# 771
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

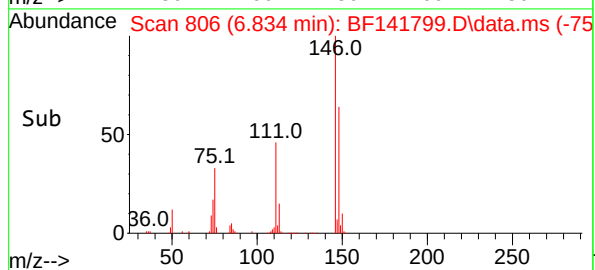
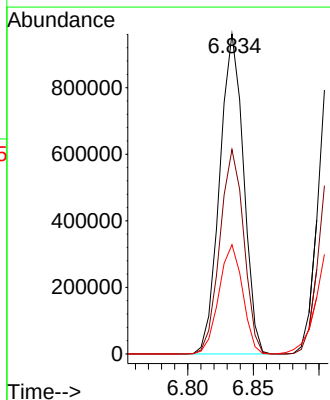
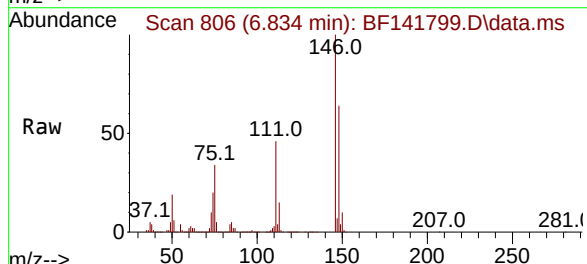
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

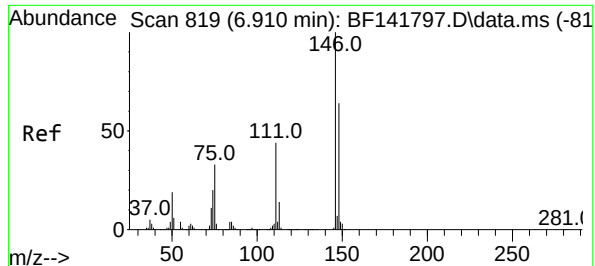
Tgt Ion: 93 Resp: 1130421
Ion Ratio Lower Upper
93 100
63 77.4 59.3 99.3
95 32.8 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 56.273 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:146 Resp: 1215544
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.6
75 34.1 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 56.536 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

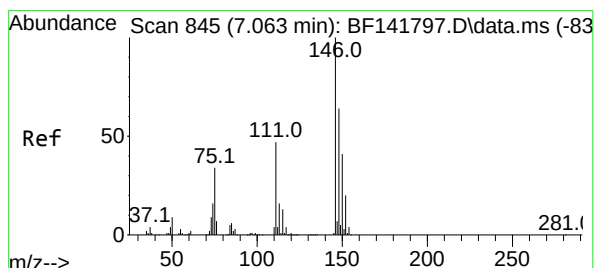
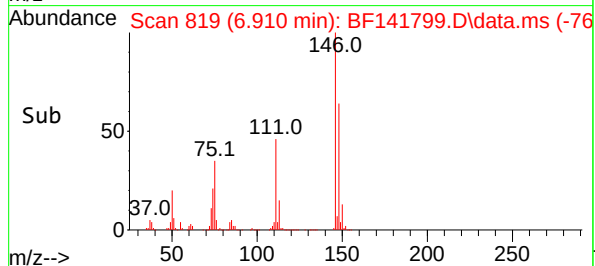
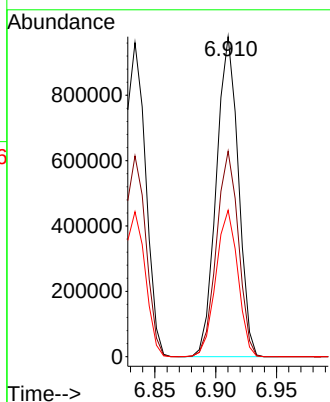
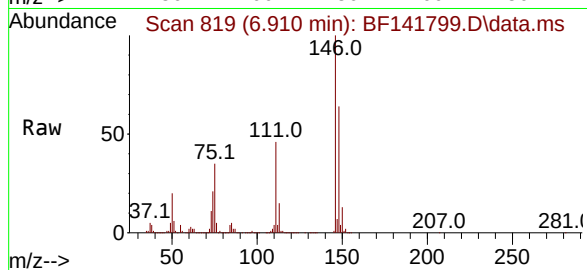
Tgt Ion:146 Resp: 1230489

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 45.8 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 55.834 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

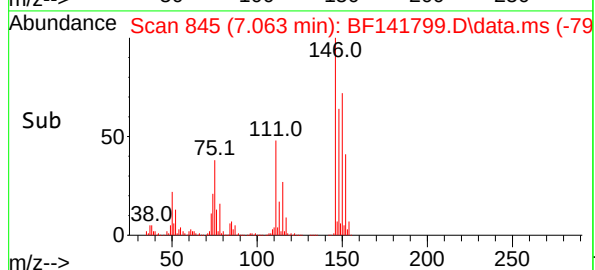
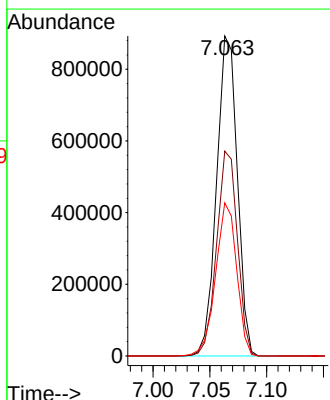
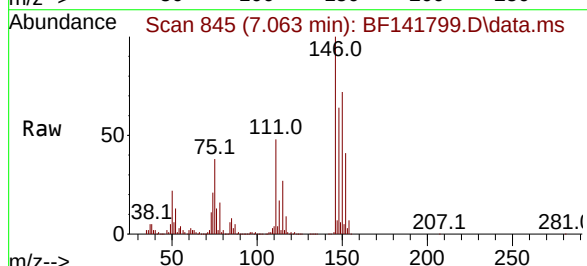
Tgt Ion:146 Resp: 1134751

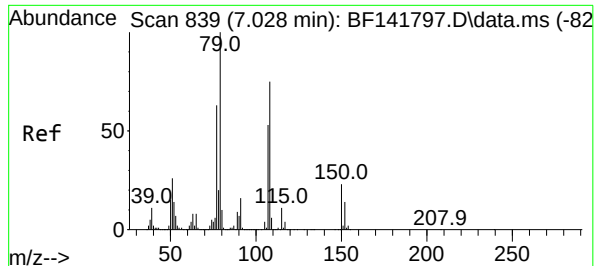
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 47.8 37.8 56.6





#15

Benzyl Alcohol

Concen: 57.170 ng

RT: 7.034 min Scan# 84

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

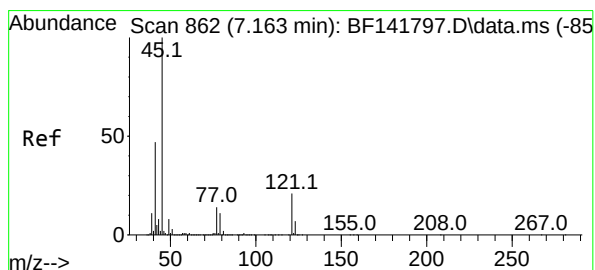
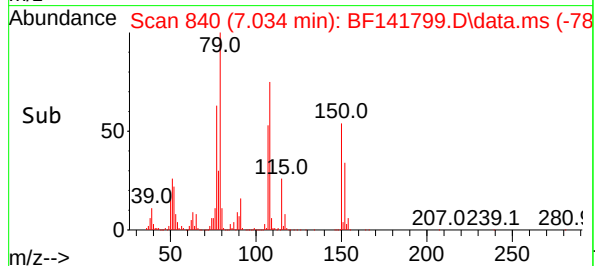
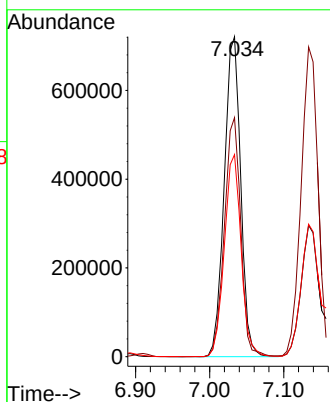
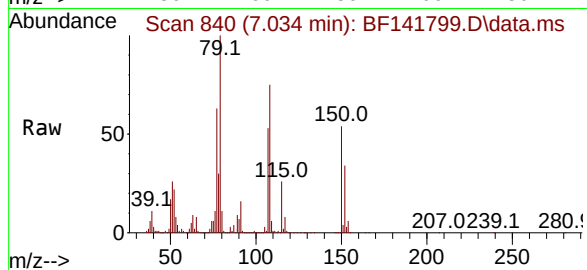
Tgt Ion: 79 Resp: 1108848

Ion Ratio Lower Upper

79 100

108 74.7 60.2 90.2

77 63.2 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 56.838 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

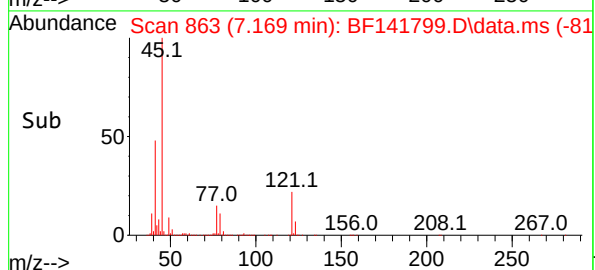
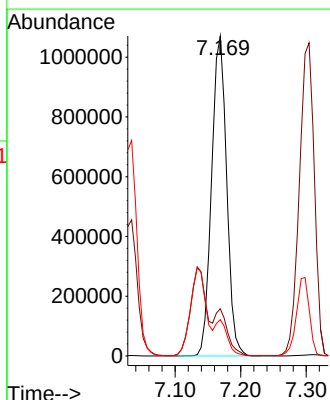
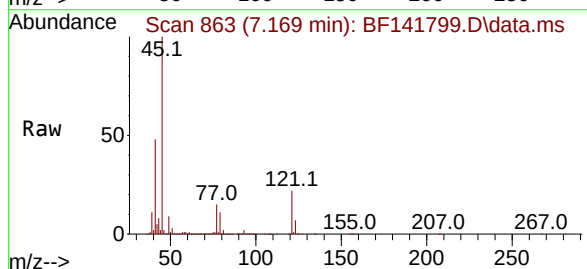
Tgt Ion: 45 Resp: 1706347

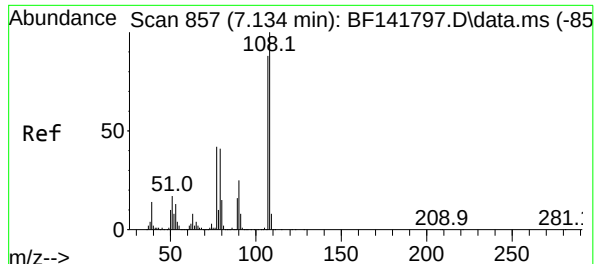
Ion Ratio Lower Upper

45 100

77 14.7 0.0 34.4

79 11.4 0.0 30.9

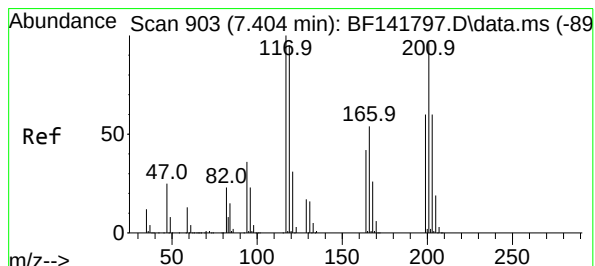
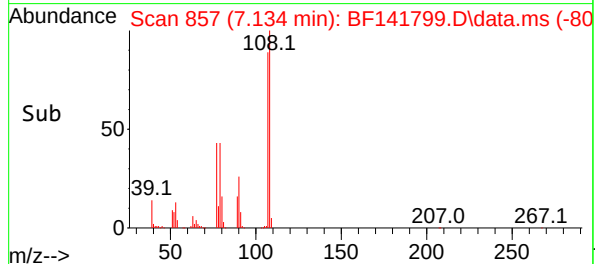
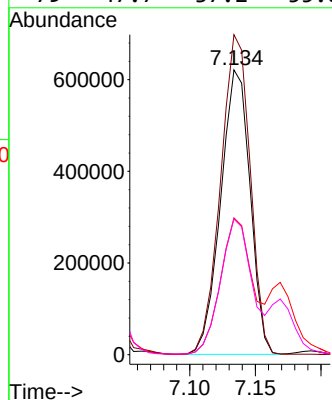
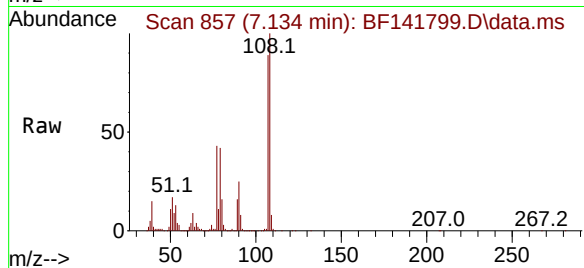




#17
2-Methylphenol
Concen: 58.177 ng
RT: 7.134 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

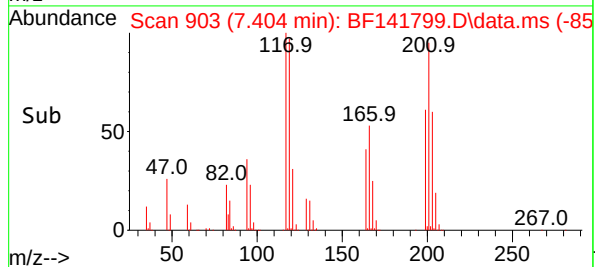
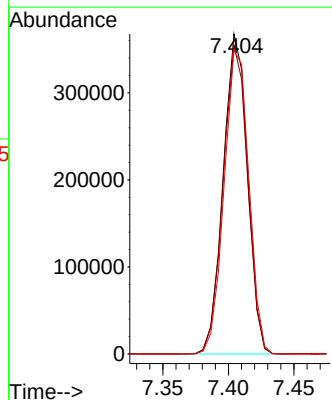
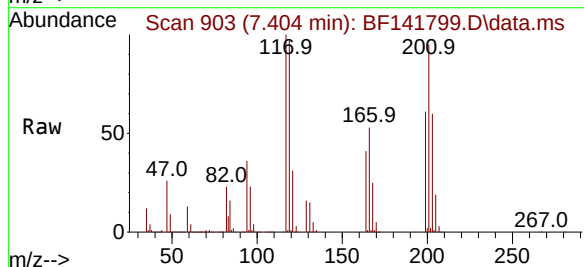
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

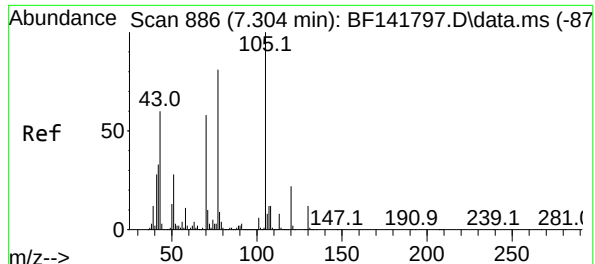
Tgt Ion:107 Resp: 968603
Ion Ratio Lower Upper
107 100
108 112.4 90.6 135.8
77 48.0 37.7 56.5
79 47.7 37.2 55.8



#18
Hexachloroethane
Concen: 58.163 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:117 Resp: 473809
Ion Ratio Lower Upper
117 100
119 96.5 75.8 113.8
201 95.0 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 56.387 ng

RT: 7.316 min Scan# 887

Delta R.T. 0.012 min

Lab File: BF141799.D

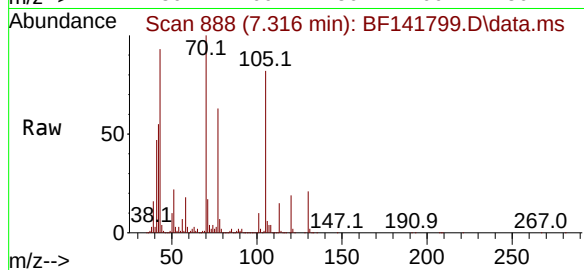
Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 899573

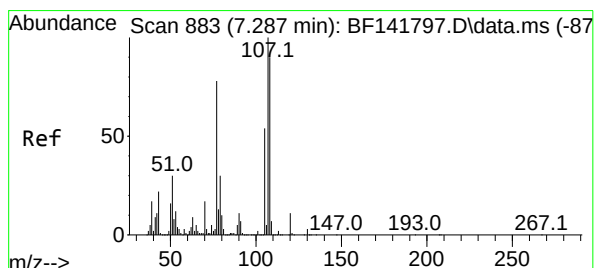
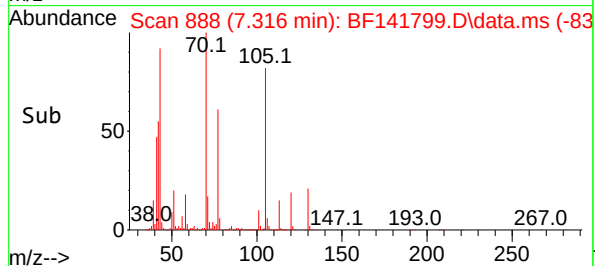
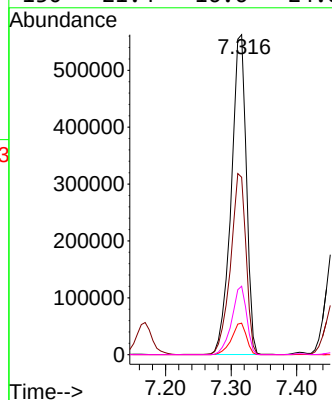
Ion Ratio Lower Upper

70 100

42 55.5 45.4 68.0

101 9.9 7.8 11.8

130 21.4 16.6 24.8



#20

3+4-Methylphenols

Concen: 55.188 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 107 Resp: 1144144

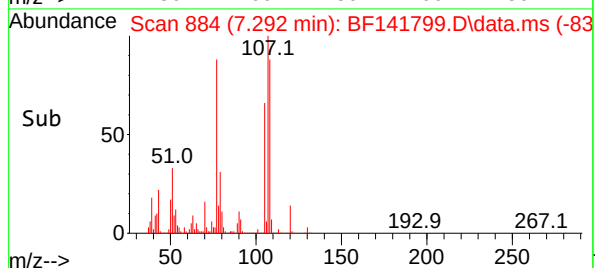
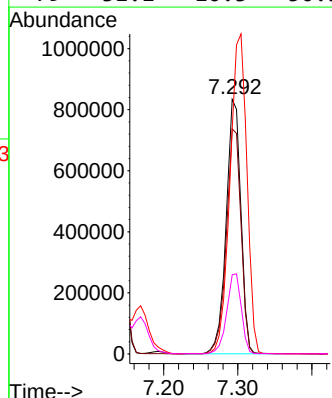
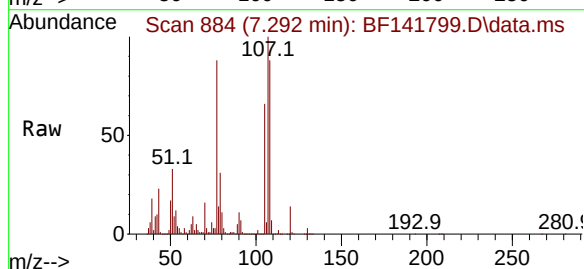
Ion Ratio Lower Upper

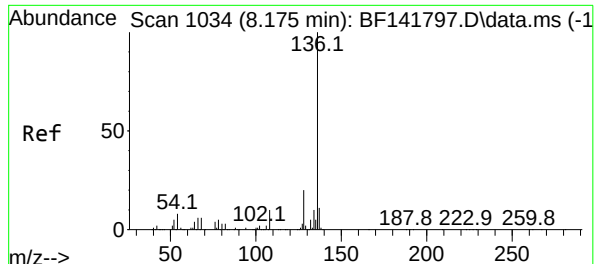
107 100

108 88.4 69.7 109.7

77 88.3 58.3 98.3

79 31.1 10.3 50.3

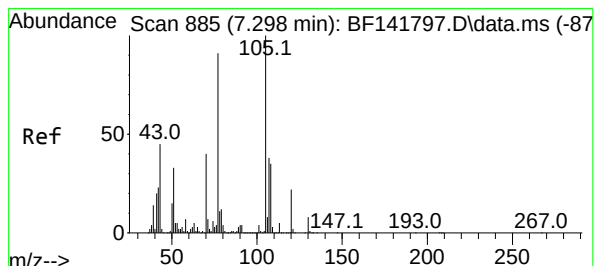
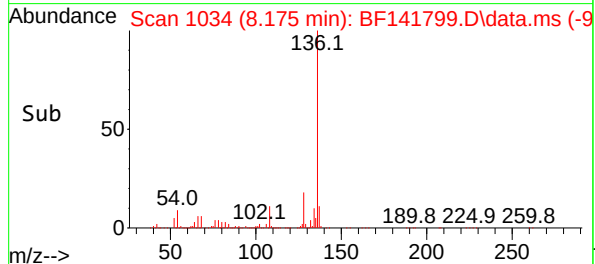
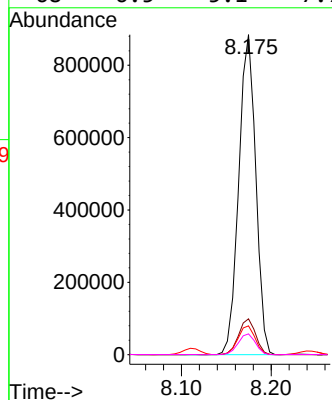
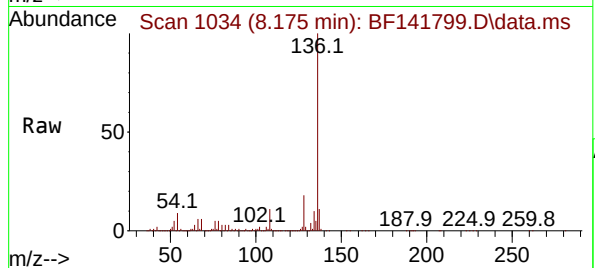




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

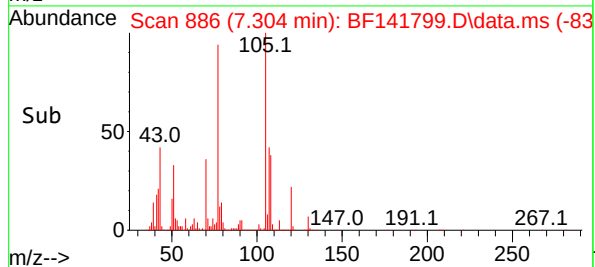
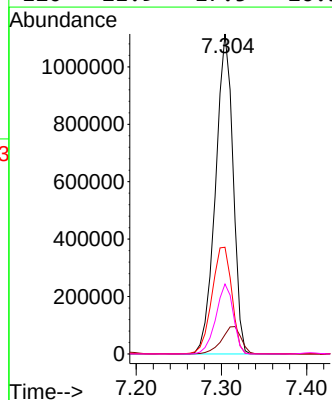
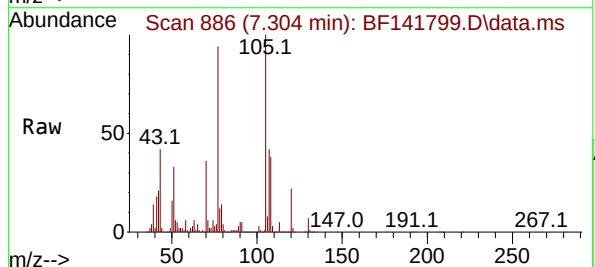
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

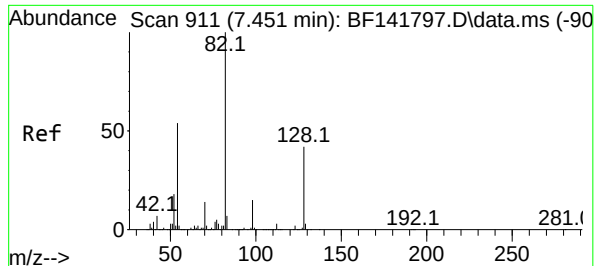
Tgt Ion:136 Resp: 1163023
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.0 6.9 10.3
68 6.5 5.1 7.7



#22
Acetophenone
Concen: 56.070 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:105 Resp: 1588210
Ion Ratio Lower Upper
105 100
71 6.1 5.4 8.0
51 33.4 26.1 39.1
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 130.503 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

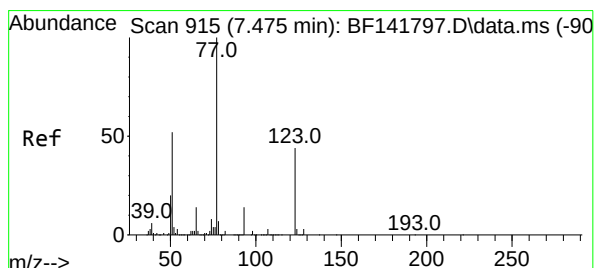
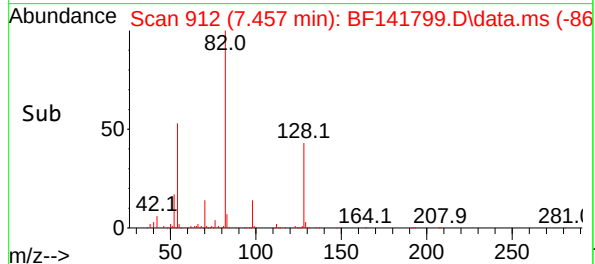
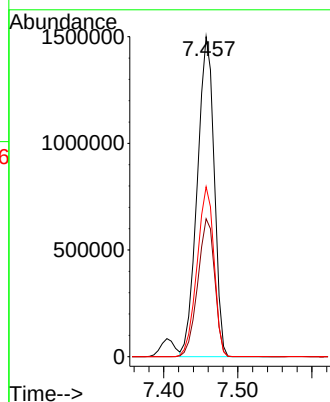
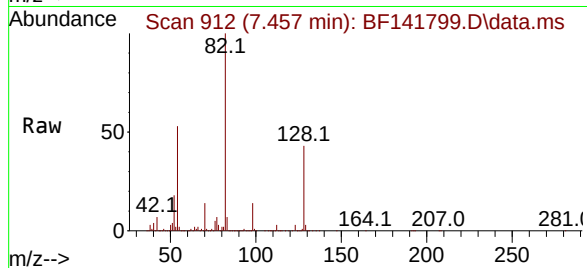
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 2374498

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.5	50.3
54	53.1	42.7	64.1



#24

Nitrobenzene

Concen: 63.867 ng

RT: 7.475 min Scan# 915

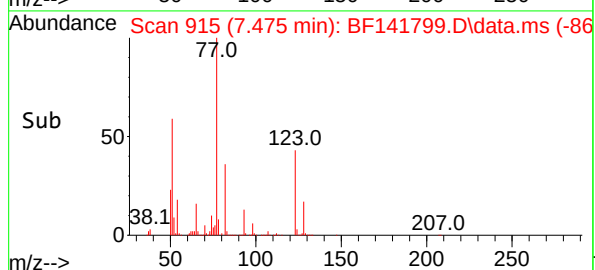
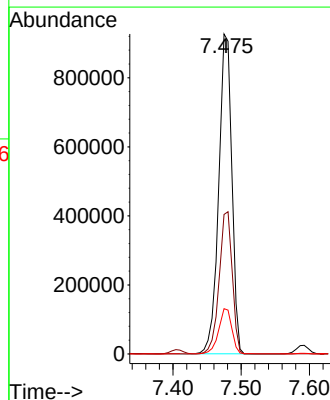
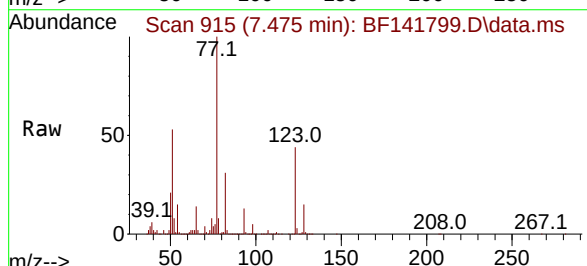
Delta R.T. -0.000 min

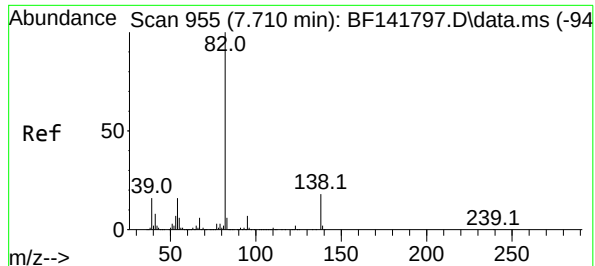
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion: 77 Resp: 1244392

Ion	Ratio	Lower	Upper
77	100		
123	43.6	35.8	53.8
65	14.2	11.2	16.8

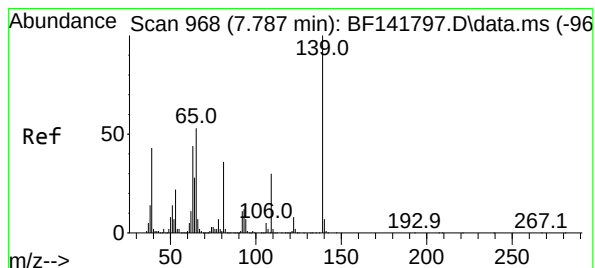
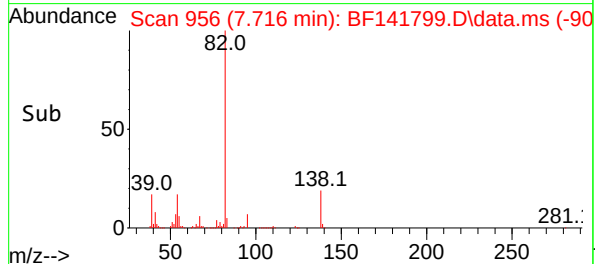
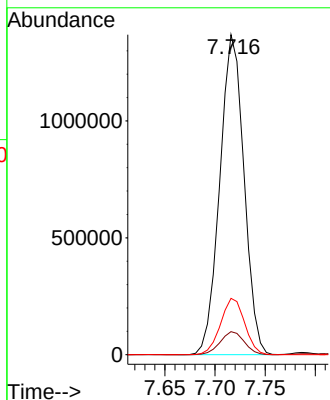
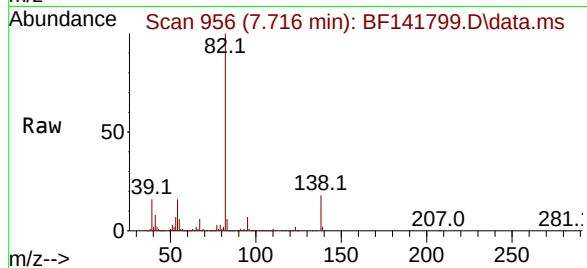




#25
Isophorone
Concen: 58.786 ng
RT: 7.716 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

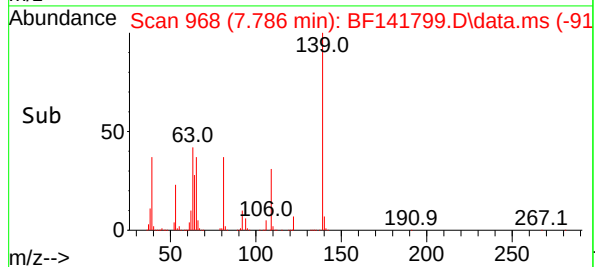
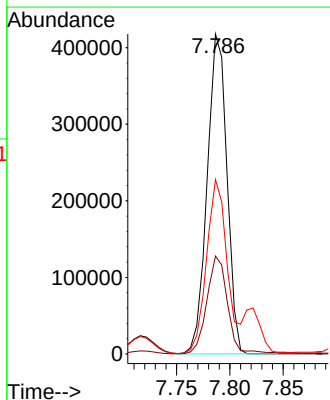
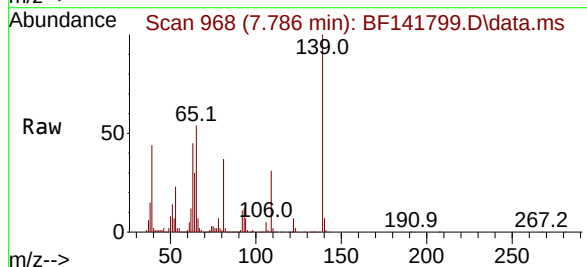
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

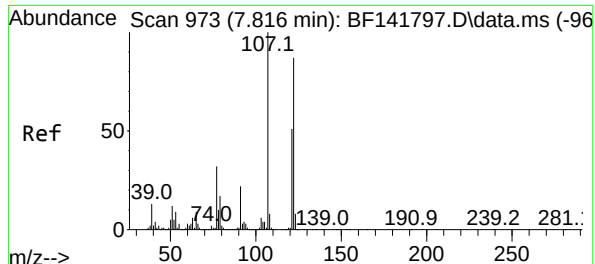
Tgt Ion: 82 Resp: 2297900
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 17.6 14.0 21.0



#26
2-Nitrophenol
Concen: 60.712 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 139 Resp: 540018
Ion Ratio Lower Upper
139 100
109 30.6 24.1 36.1
65 54.5 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 57.912 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

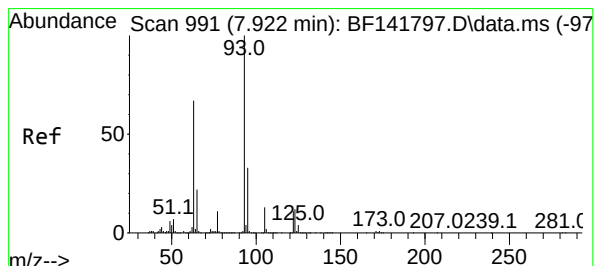
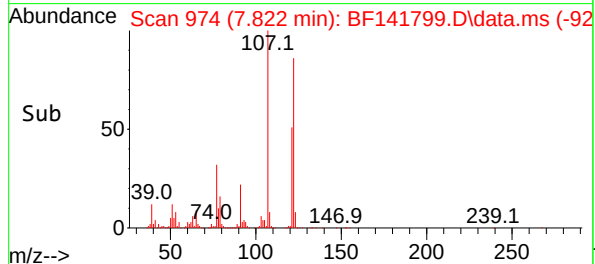
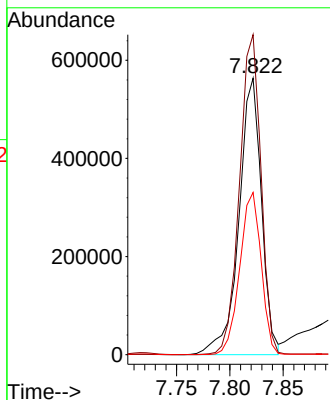
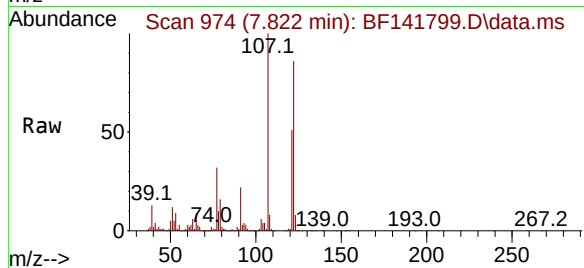
Tgt Ion:122 Resp: 832135

Ion Ratio Lower Upper

122 100

107 115.7 92.5 138.7

121 58.7 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 57.094 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

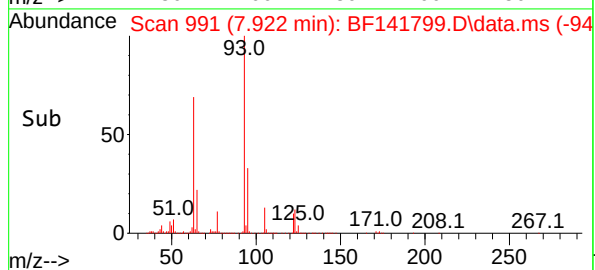
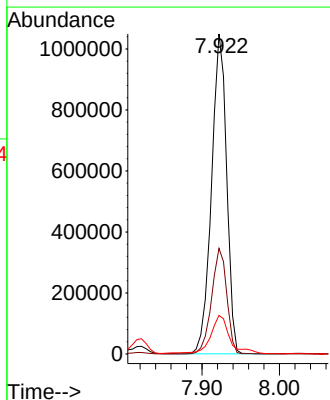
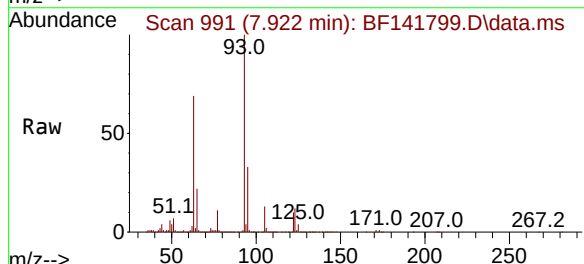
Tgt Ion: 93 Resp: 1423641

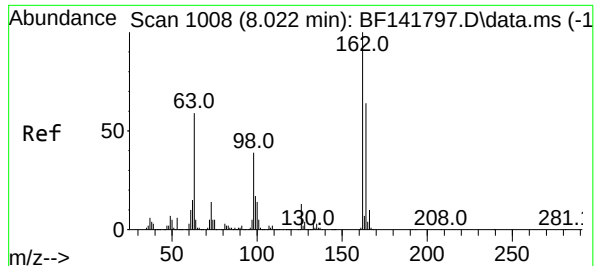
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.1 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 59.211 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

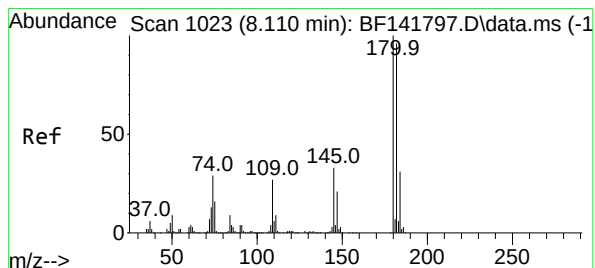
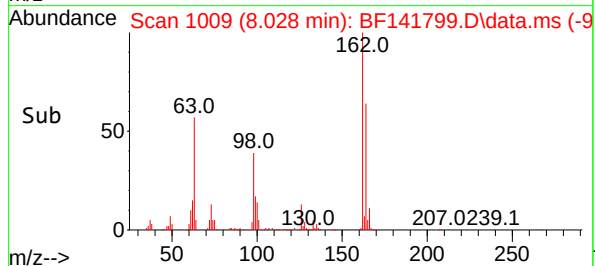
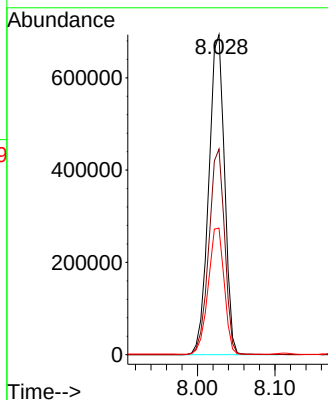
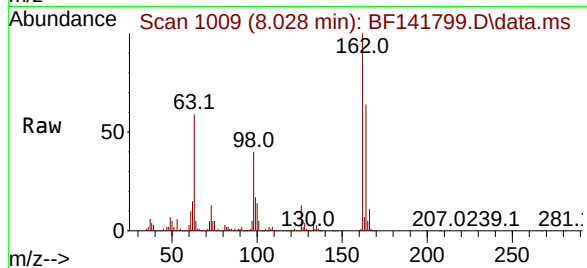
Tgt Ion:162 Resp: 981508

Ion Ratio Lower Upper

162 100

164 64.2 44.3 84.3

98 39.5 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 57.885 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

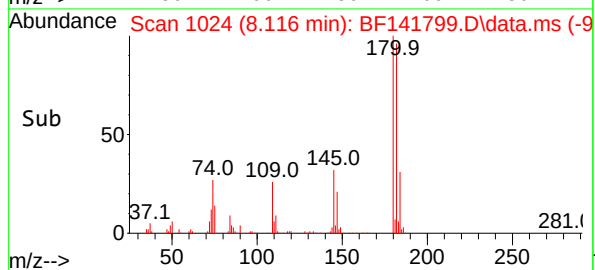
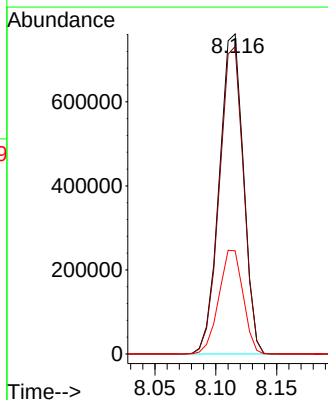
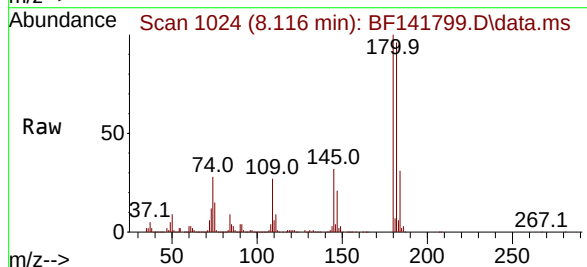
Tgt Ion:180 Resp: 1051434

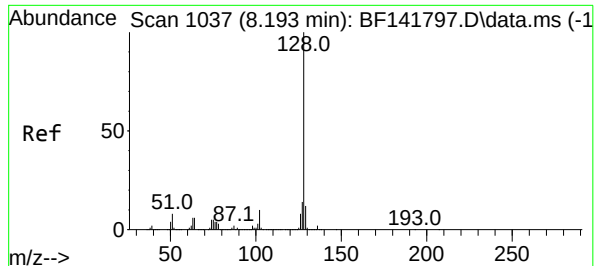
Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 32.2 26.4 39.6

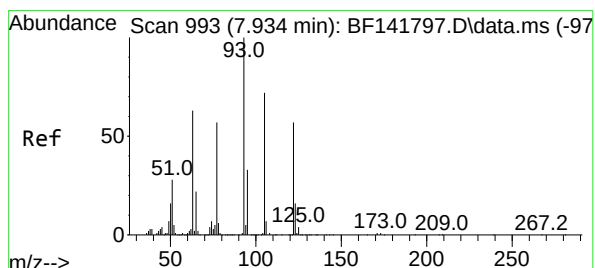
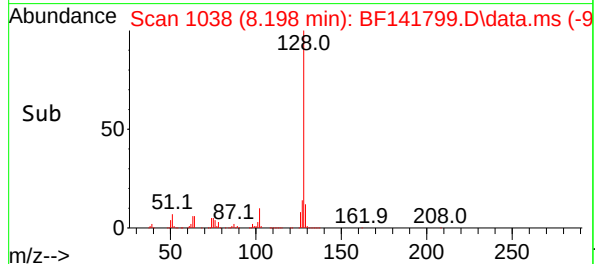
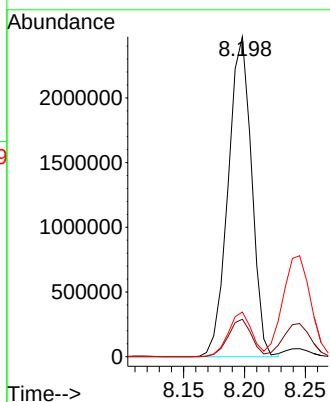
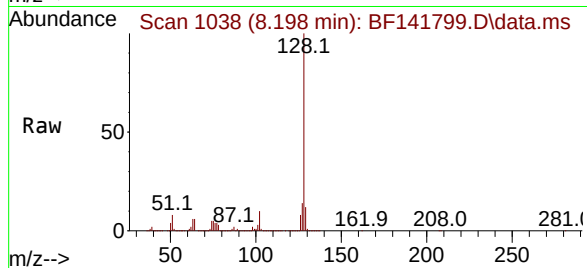




#31
Naphthalene
Concen: 55.427 ng
RT: 8.198 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

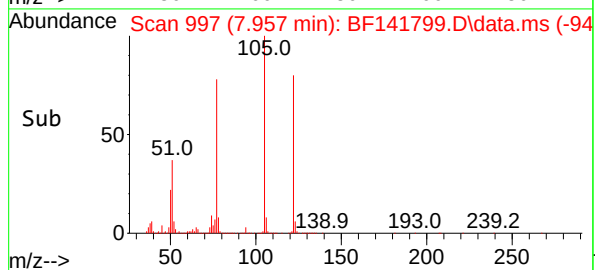
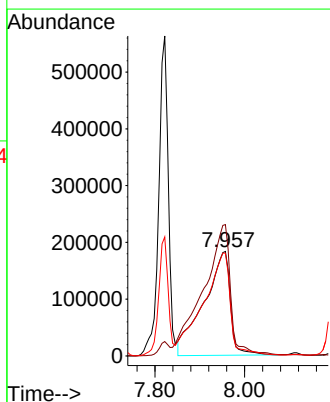
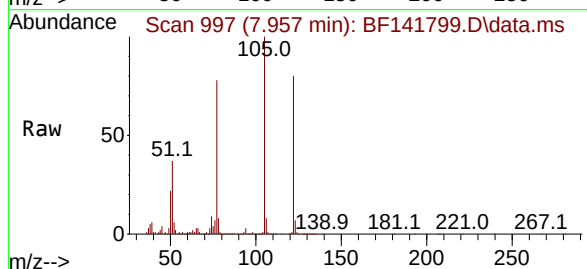
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

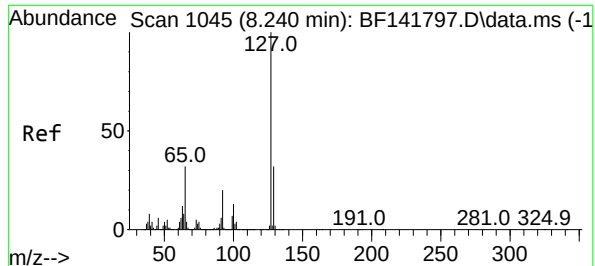
Tgt Ion:128 Resp: 3313144
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.9 11.0 16.4



#32
Benzoic acid
Concen: 60.158 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.023 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:122 Resp: 749284
Ion Ratio Lower Upper
122 100
105 125.7 105.8 145.8
77 98.5 79.9 119.9





#33

4-Chloroaniline

Concen: 56.723 ng

RT: 8.245 min Scan# 1045

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

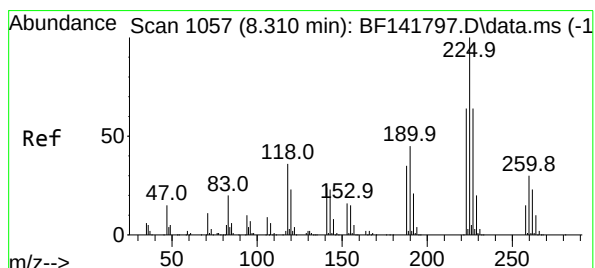
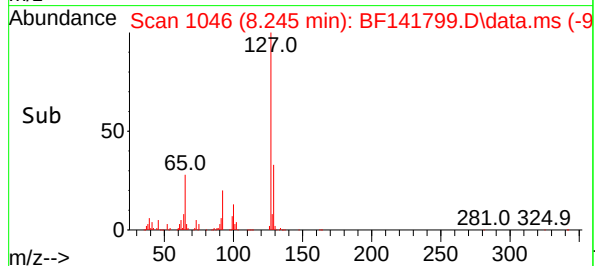
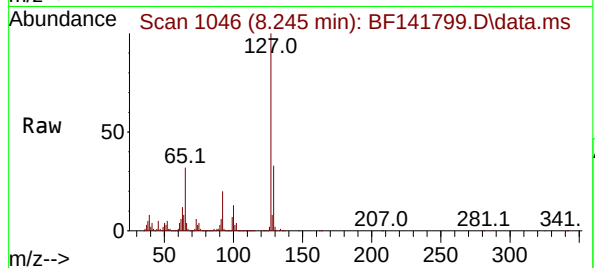
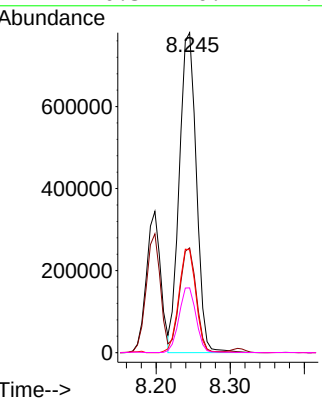
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 1243216

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	32.2	25.7	38.5
92	20.3	16.1	24.1



#34

Hexachlorobutadiene

Concen: 59.082 ng

RT: 8.310 min Scan# 1057

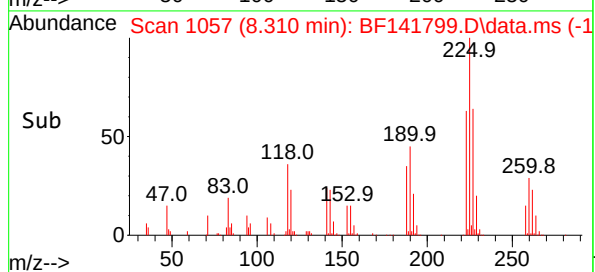
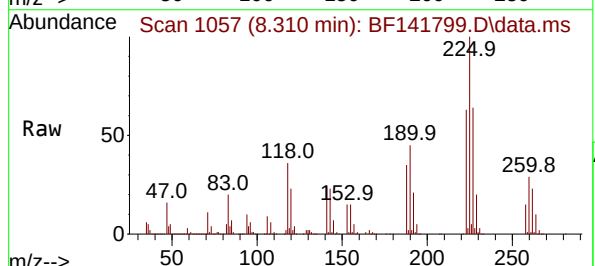
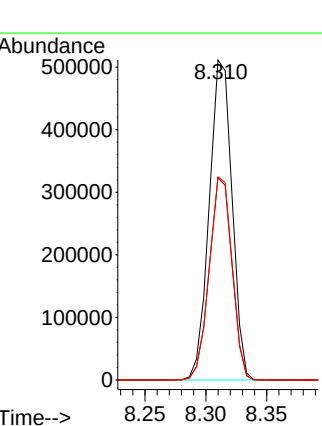
Delta R.T. -0.000 min

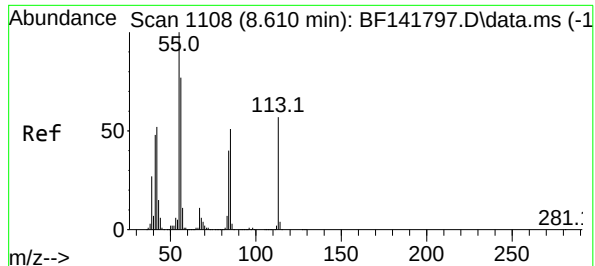
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:225 Resp: 666891

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.4	77.2
227	63.5	51.6	77.4

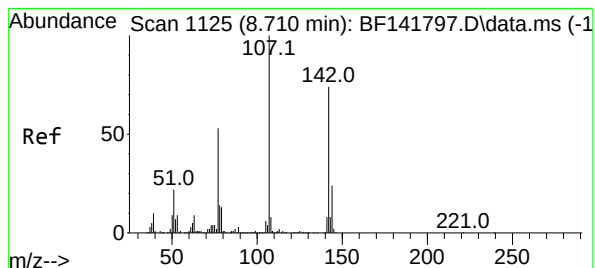
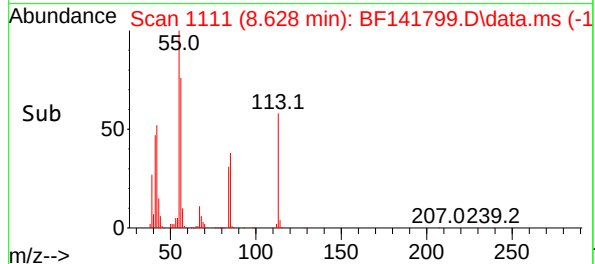
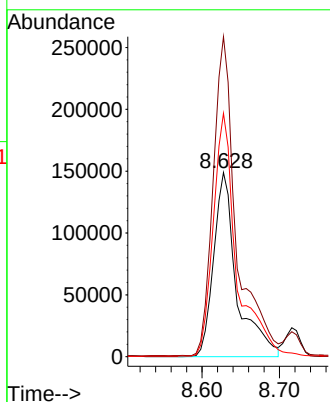
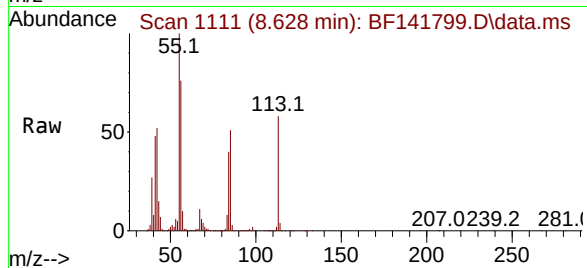




#35
Caprolactam
Concen: 60.671 ng
RT: 8.628 min Scan# 1111
Delta R.T. 0.018 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

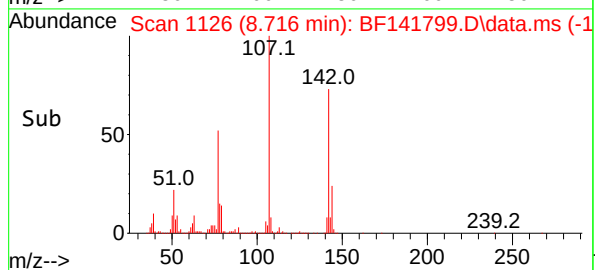
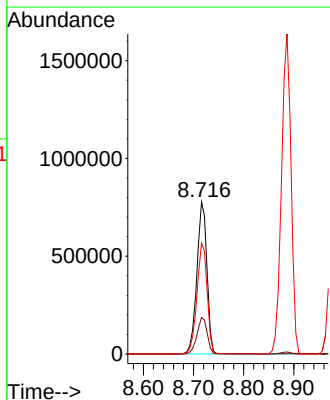
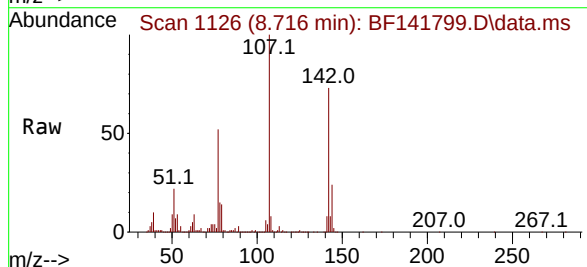
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

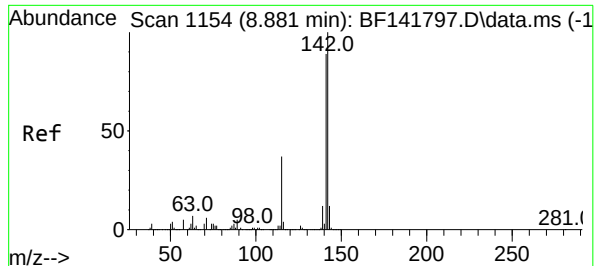
Tgt Ion:113 Resp: 309453
Ion Ratio Lower Upper
113 100
55 173.8 155.6 195.6
56 132.2 114.6 154.6



#36
4-Chloro-3-methylphenol
Concen: 58.783 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:107 Resp: 1082457
Ion Ratio Lower Upper
107 100
144 24.0 19.4 29.0
142 73.0 59.4 89.0





#37

2-Methylnaphthalene

Concen: 55.115 ng

RT: 8.886 min Scan# 1154

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

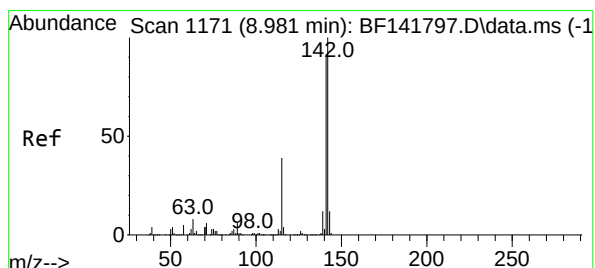
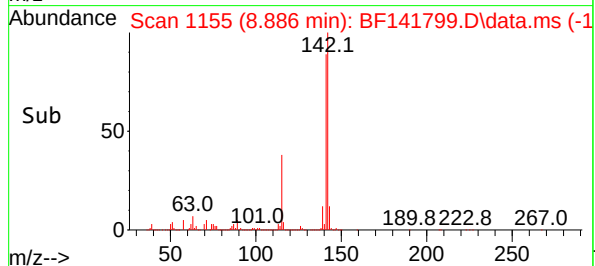
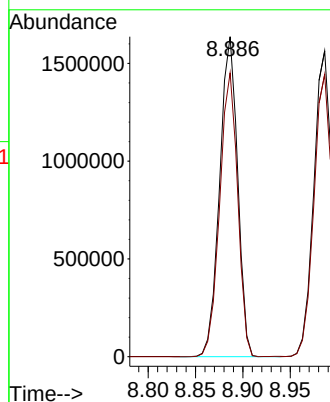
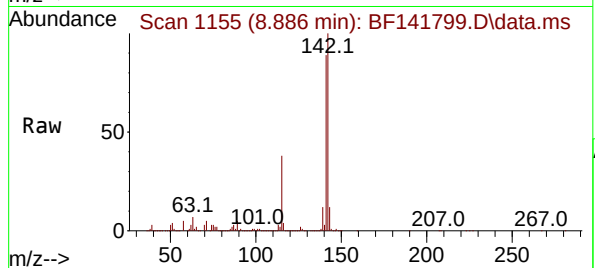
SSTDICC060

Tgt Ion:142 Resp: 2160902

Ion Ratio Lower Upper

142 100

141 88.7 71.1 106.7



#38

1-Methylnaphthalene

Concen: 55.054 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.006 min

Lab File: BF141799.D

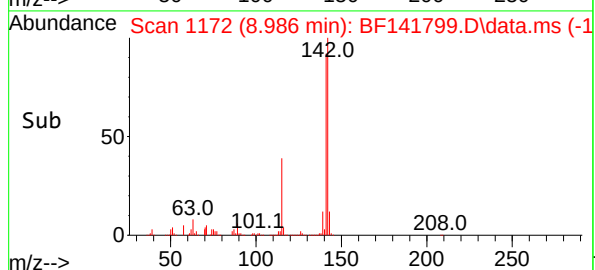
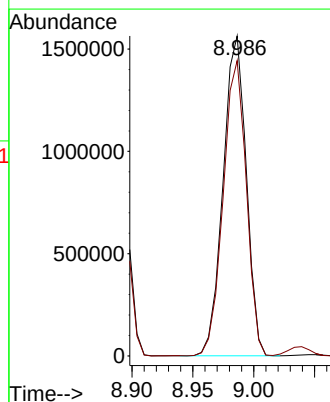
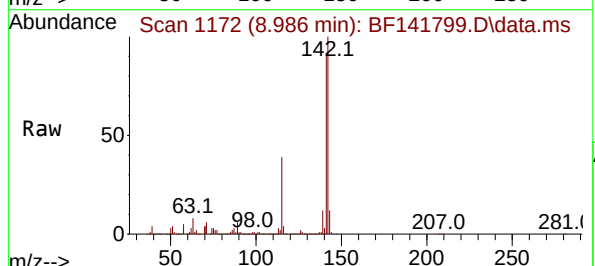
Acq: 27 Feb 2025 18:15

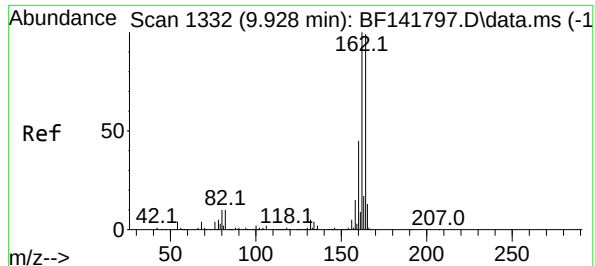
Tgt Ion:142 Resp: 2071154

Ion Ratio Lower Upper

142 100

141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1132

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

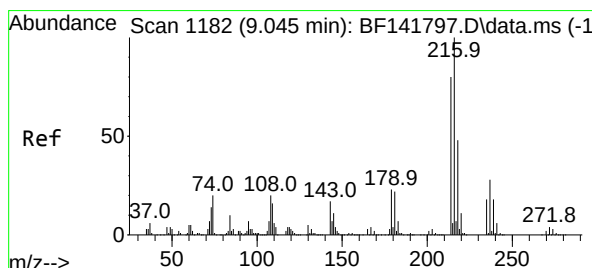
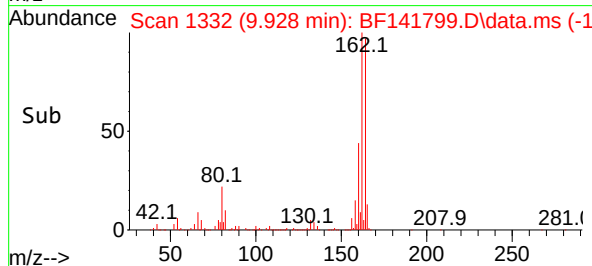
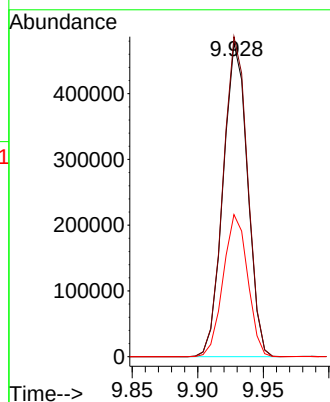
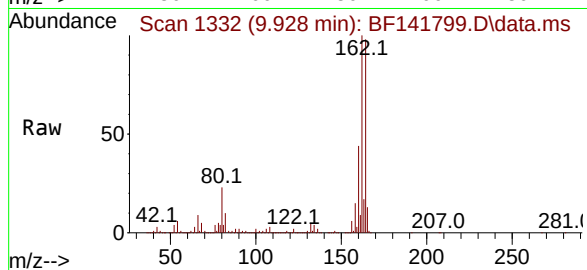
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:164 Resp: 617087

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.3	36.3	54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.477 ng

RT: 9.051 min Scan# 1183

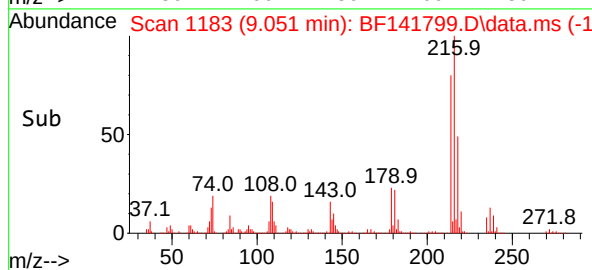
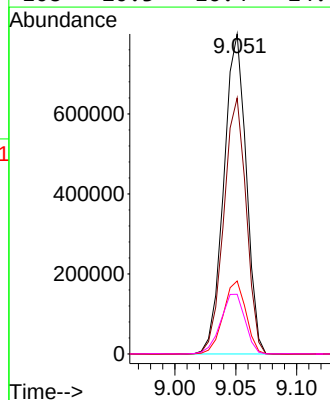
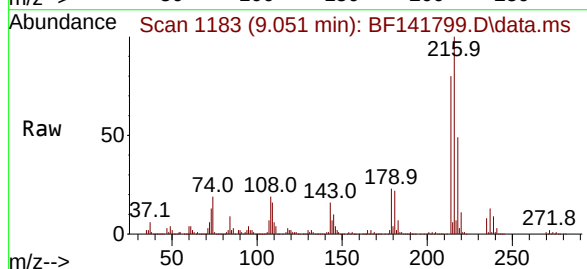
Delta R.T. 0.006 min

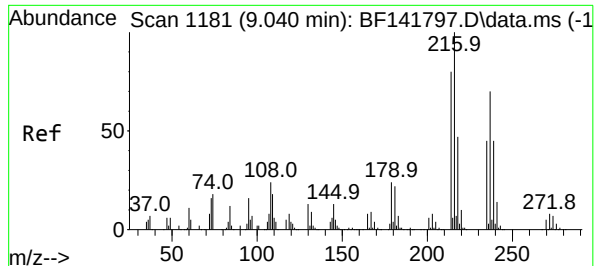
Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:216 Resp: 1024373

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.5	95.3
179	23.0	18.1	27.1
108	20.3	16.4	24.6

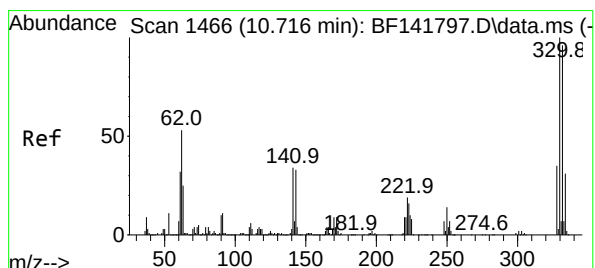
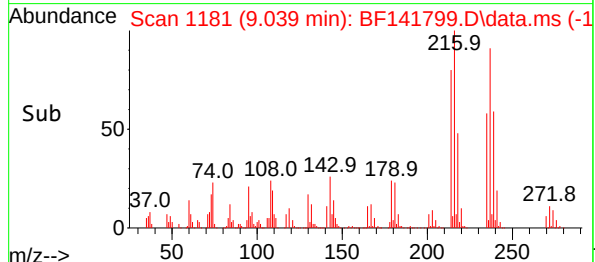
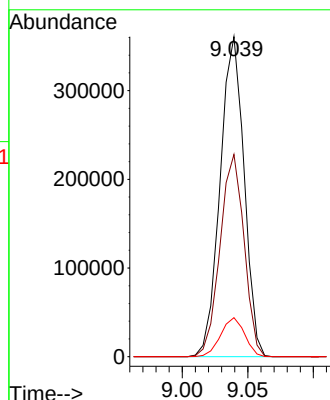
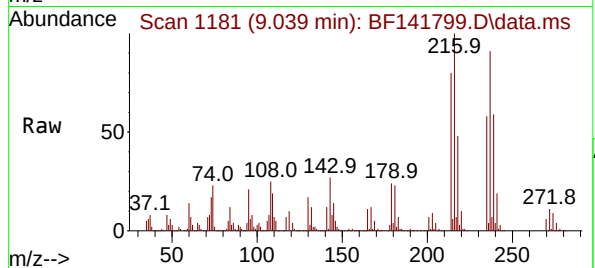




#41
Hexachlorocyclopentadiene
Concen: 61.586 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

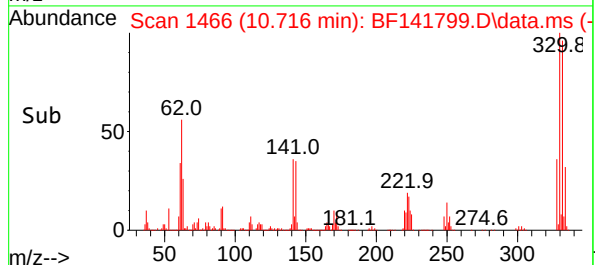
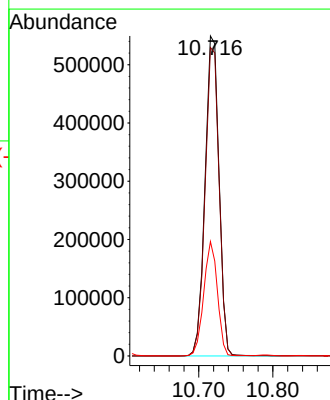
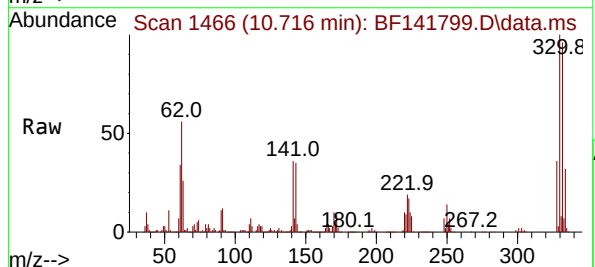
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

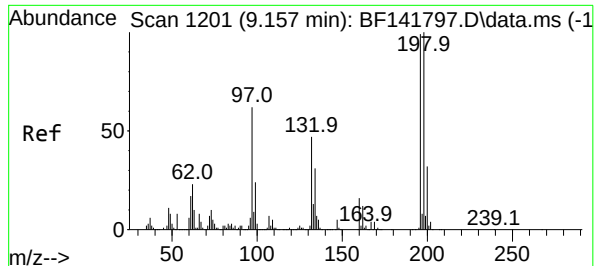
Tgt Ion:237 Resp: 458054
Ion Ratio Lower Upper
237 100
235 63.2 43.3 83.3
272 12.2 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 125.191 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:330 Resp: 725271
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 34.9 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 59.220 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

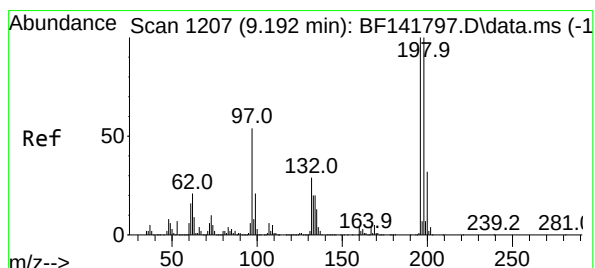
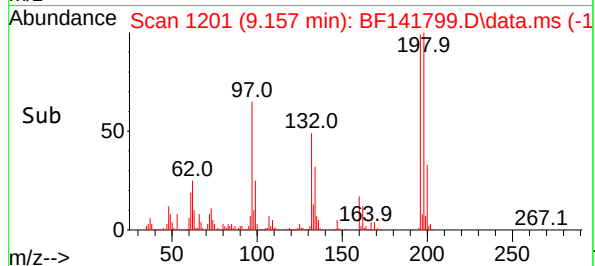
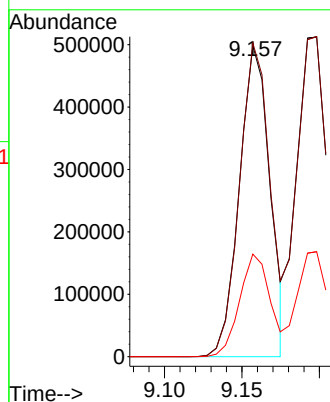
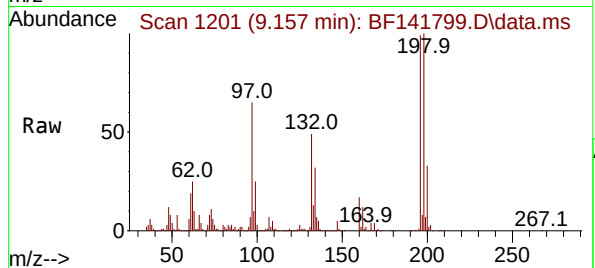
Tgt Ion:196 Resp: 681760

Ion Ratio Lower Upper

196 100

198 100.8 80.4 120.6

200 33.0 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 61.725 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Tgt Ion:196 Resp: 703662

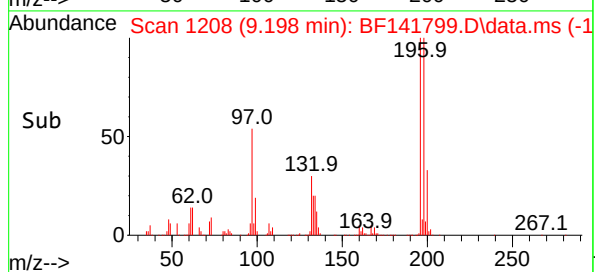
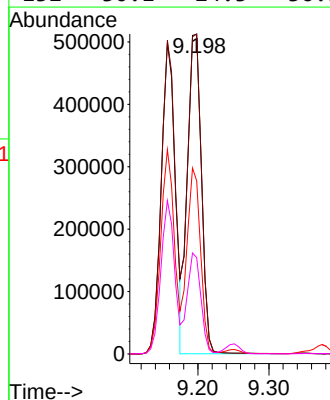
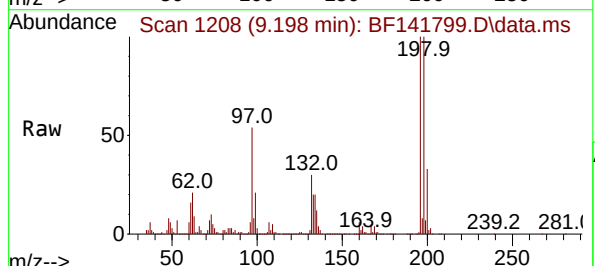
Ion Ratio Lower Upper

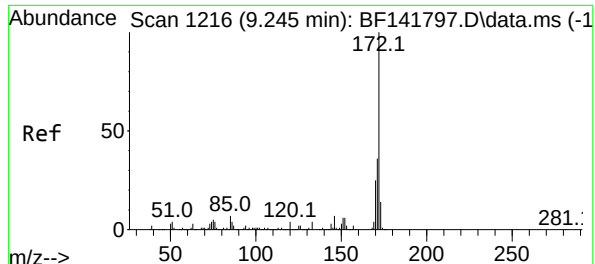
196 100

198 100.1 79.7 119.5

97 54.1 44.2 66.2

132 30.1 24.3 36.5

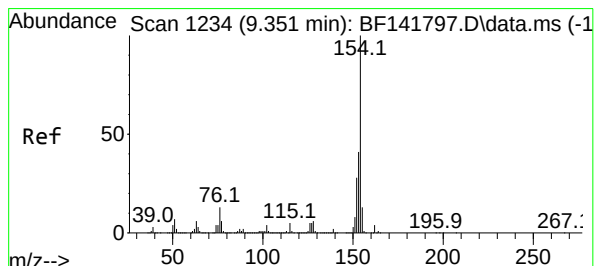
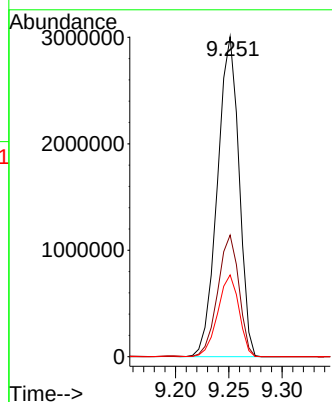
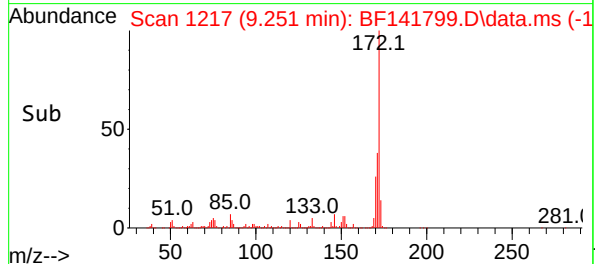
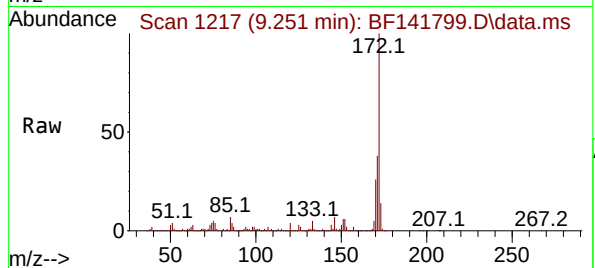




#45
2-Fluorobiphenyl
Concen: 109.742 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

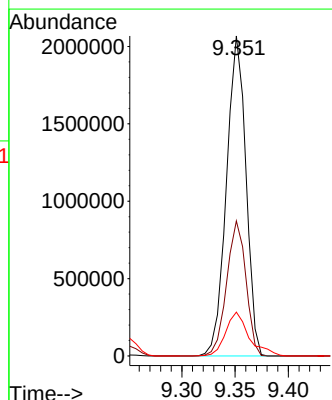
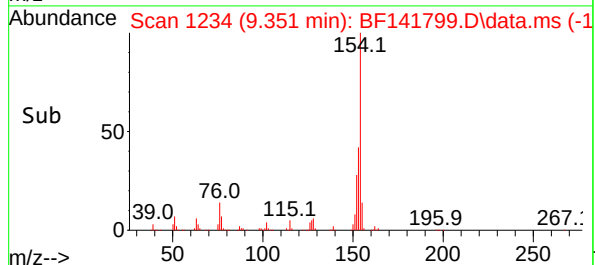
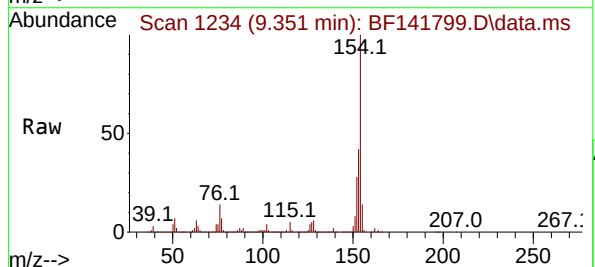
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

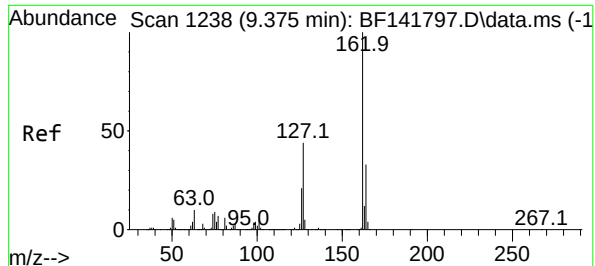
Tgt Ion:172 Resp: 4223426
Ion Ratio Lower Upper
172 100
171 38.0 29.2 43.8
170 25.5 19.7 29.5



#46
1,1'-Biphenyl
Concen: 55.911 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

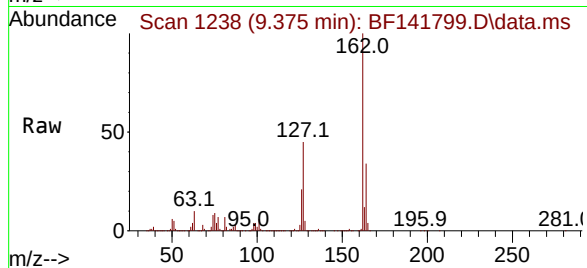
Tgt Ion:154 Resp: 2626139
Ion Ratio Lower Upper
154 100
153 42.2 21.4 61.4
76 13.7 0.0 33.4



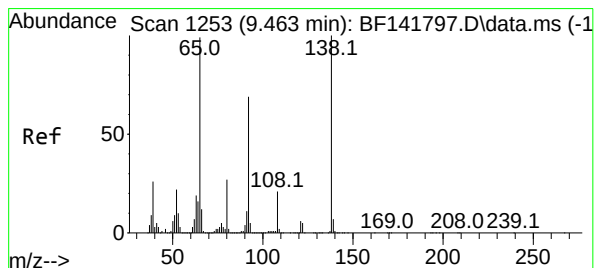
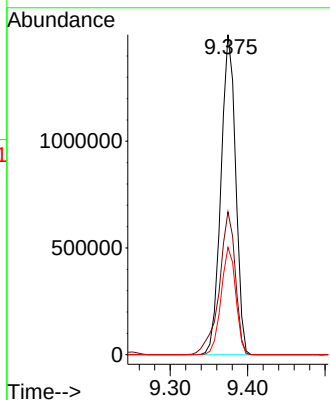
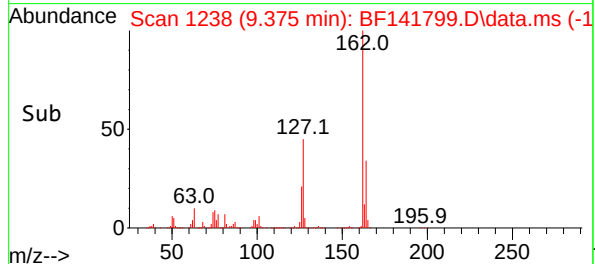


#47
2-Chloronaphthalene
Concen: 57.187 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

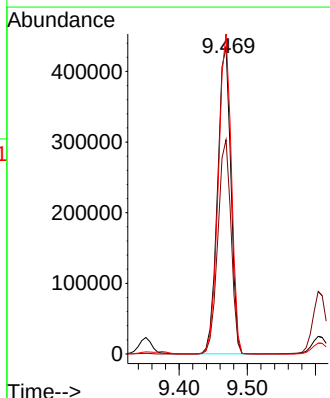
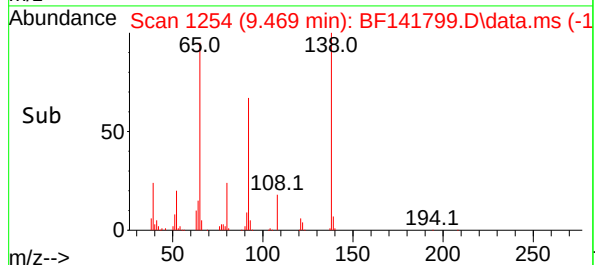
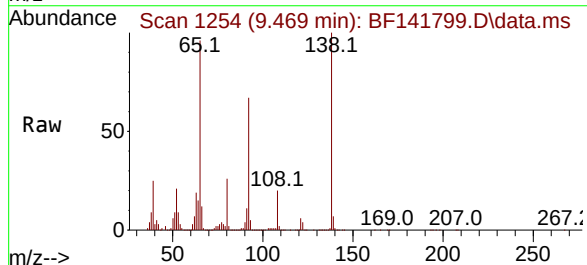


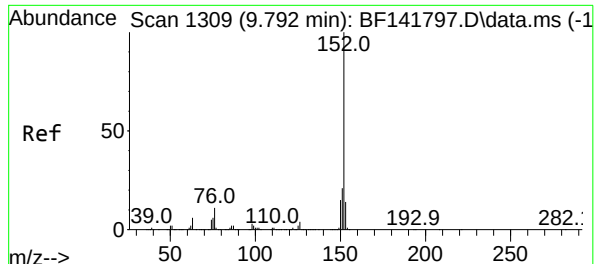
Tgt Ion:162 Resp: 1982513
Ion Ratio Lower Upper
162 100
127 44.6 35.0 52.6
164 33.5 26.6 40.0



#48
2-Nitroaniline
Concen: 60.902 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 65 Resp: 590092
Ion Ratio Lower Upper
65 100
92 69.8 55.7 83.5
138 104.2 80.6 121.0





#49

Acenaphthylene

Concen: 56.845 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

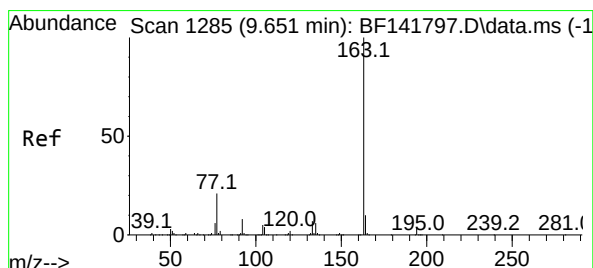
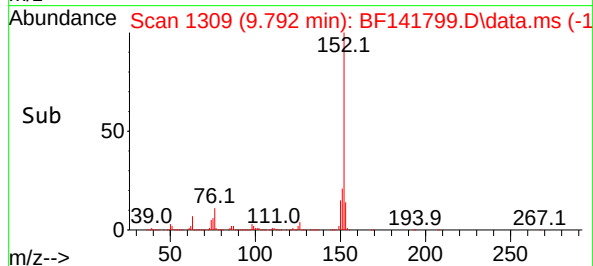
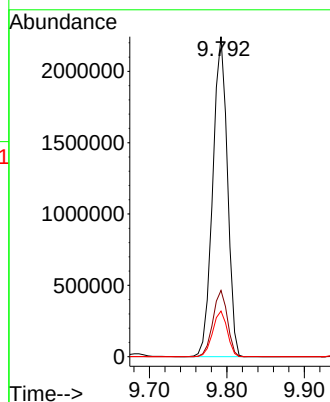
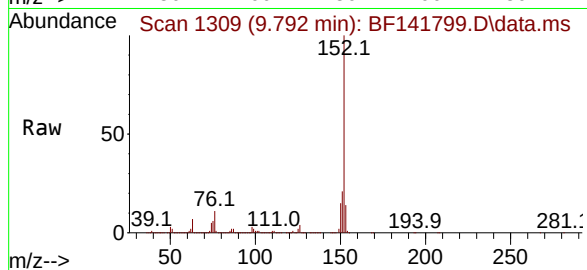
Tgt Ion:152 Resp: 2954653

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

153 14.3 11.2 16.8



#50

Dimethylphthalate

Concen: 57.581 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

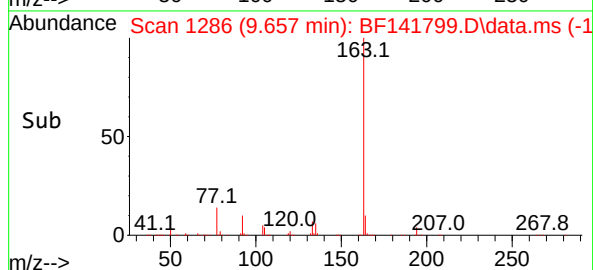
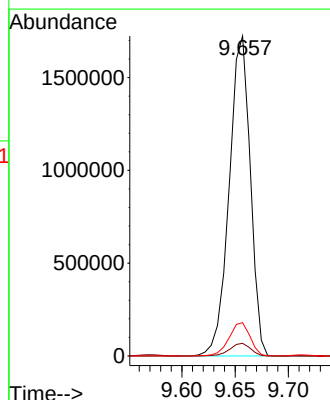
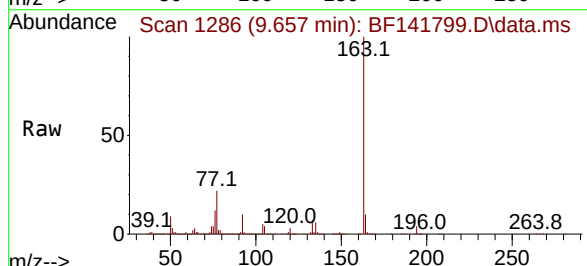
Tgt Ion:163 Resp: 2379542

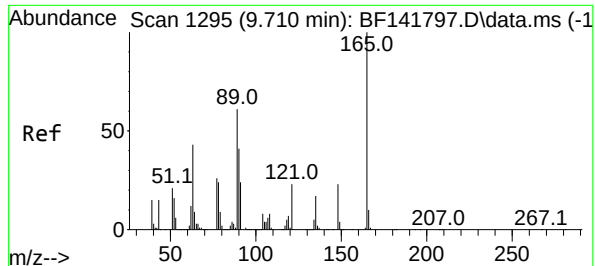
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.4 8.4 12.6

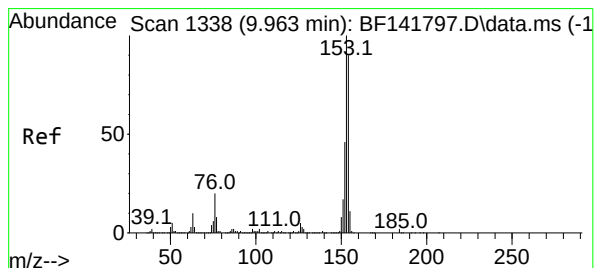
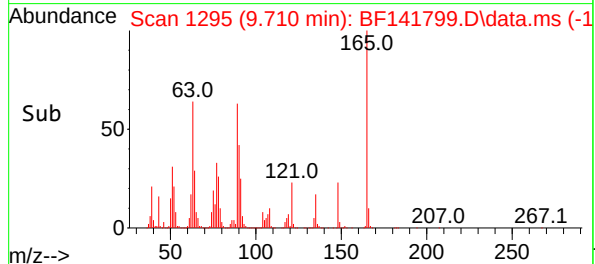
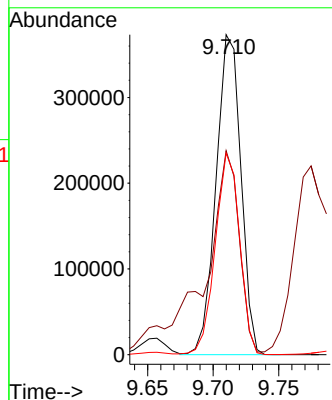
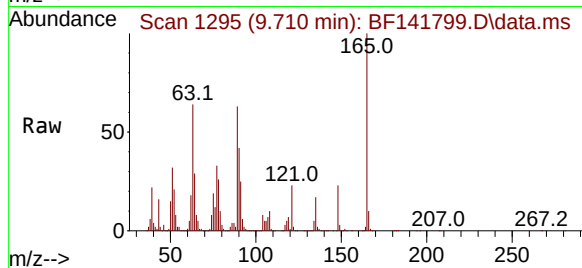




#51
2,6-Dinitrotoluene
Concen: 61.325 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

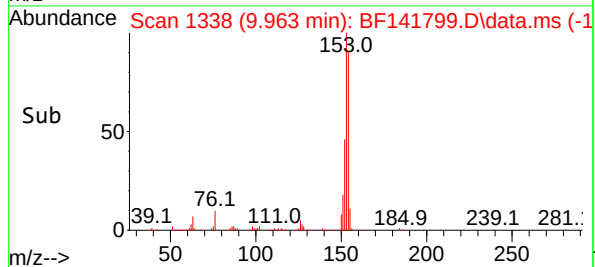
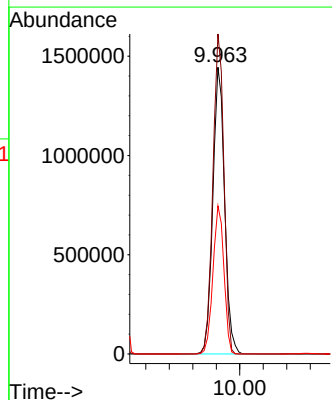
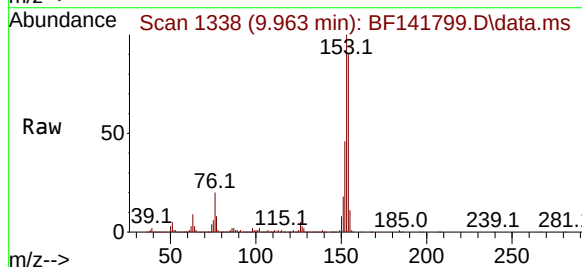
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

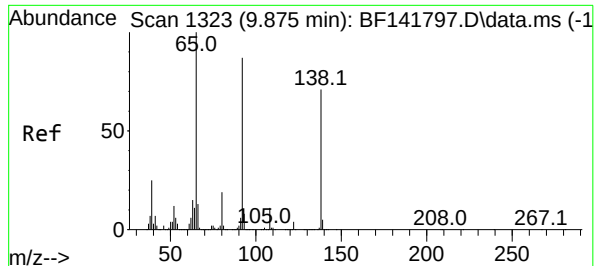
Tgt Ion:165 Resp: 491402
Ion Ratio Lower Upper
165 100
63 63.8 49.5 74.3
89 63.0 49.0 73.4



#52
Acenaphthene
Concen: 57.211 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2006502
Ion Ratio Lower Upper
154 100
153 111.6 88.7 133.1
152 51.6 40.9 61.3

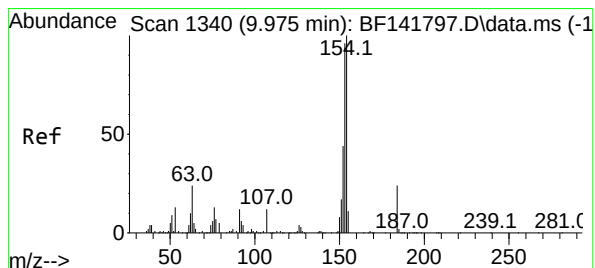
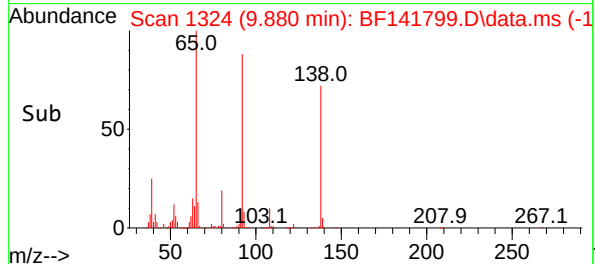
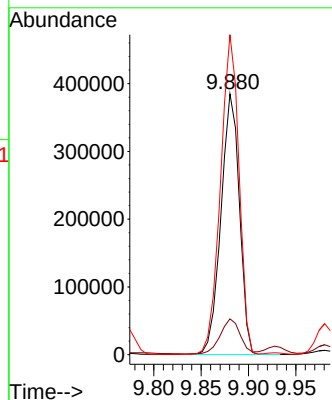
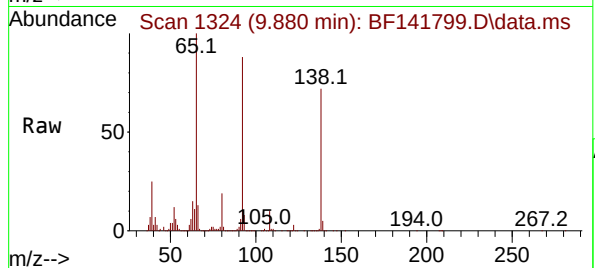




#53
3-Nitroaniline
Concen: 61.078 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

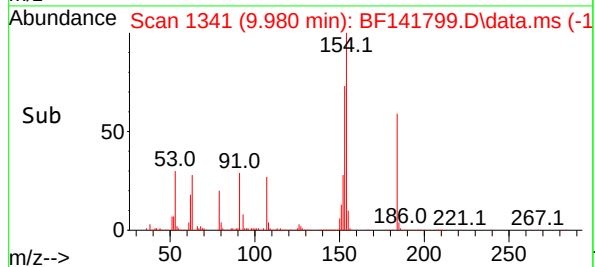
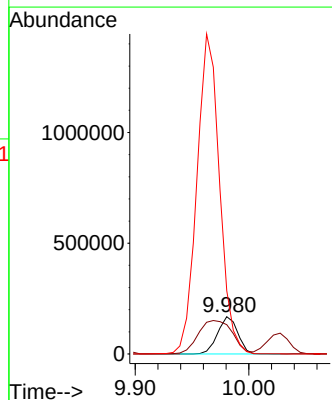
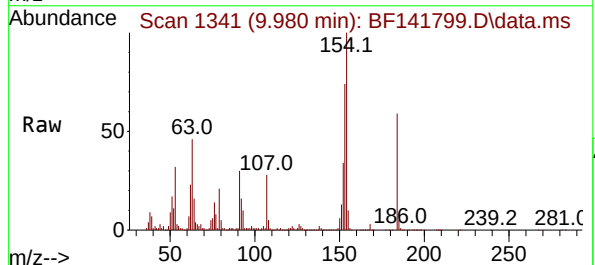
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

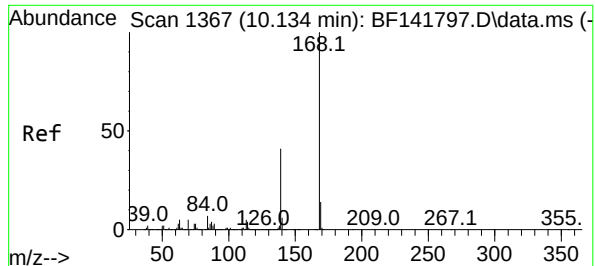
Tgt Ion:138 Resp: 521575
Ion Ratio Lower Upper
138 100
108 13.7 12.7 19.1
92 122.7 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 62.312 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:184 Resp: 207307
Ion Ratio Lower Upper
184 100
63 78.8 79.0 118.6#
154 169.7 335.8 503.8#

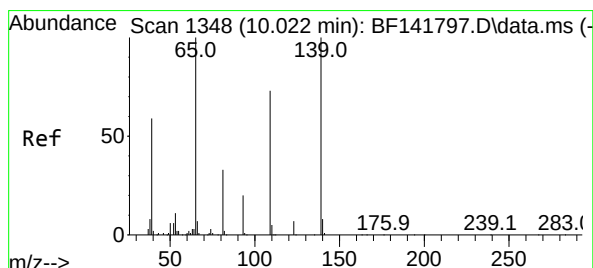
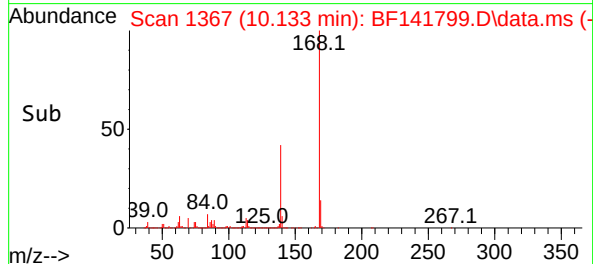
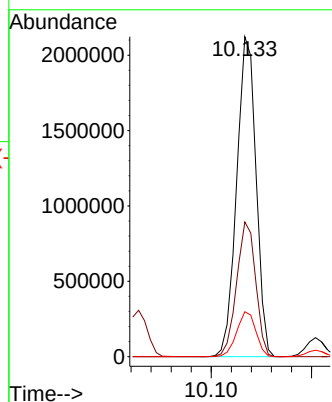
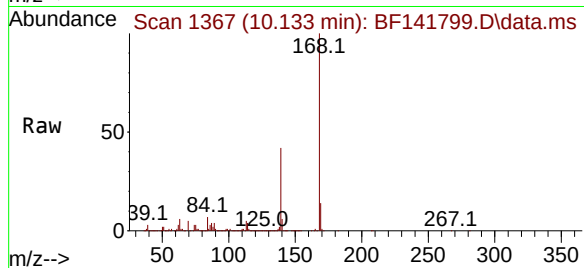




#55
Dibenzofuran
Concen: 55.911 ng
RT: 10.133 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

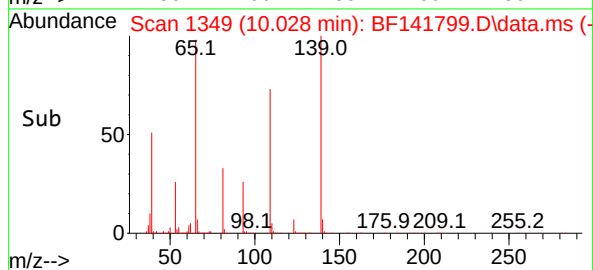
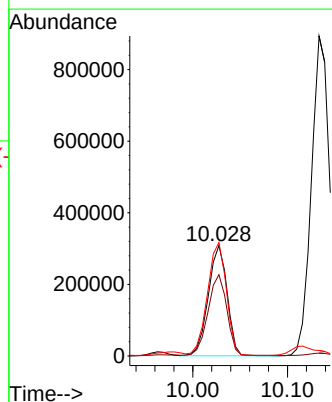
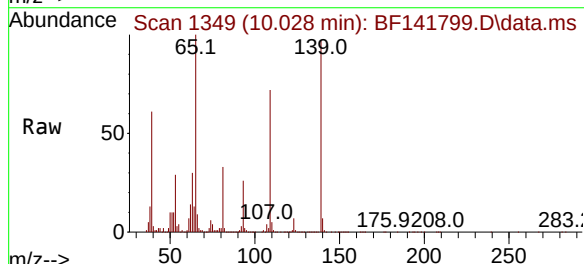
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

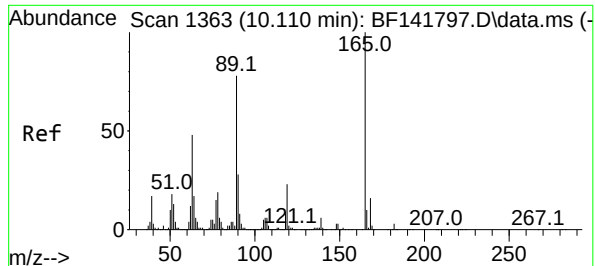
Tgt Ion:168 Resp: 2854091
Ion Ratio Lower Upper
168 100
139 42.1 32.9 49.3
169 14.1 11.1 16.7



#56
4-Nitrophenol
Concen: 69.564 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:139 Resp: 424581
Ion Ratio Lower Upper
139 100
109 73.6 53.4 93.4
65 102.7 82.1 122.1

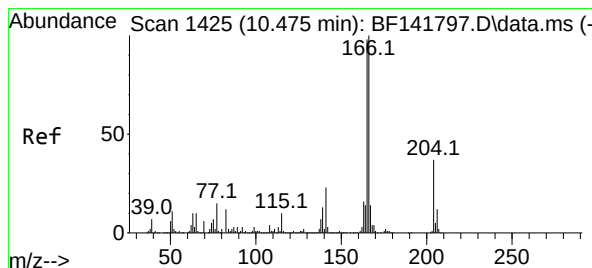
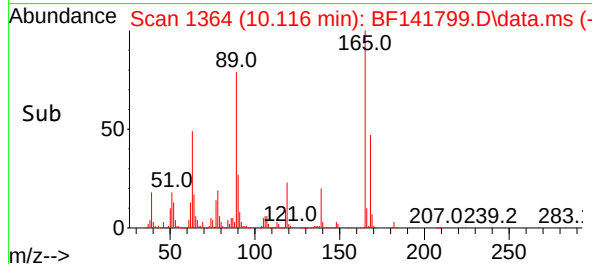
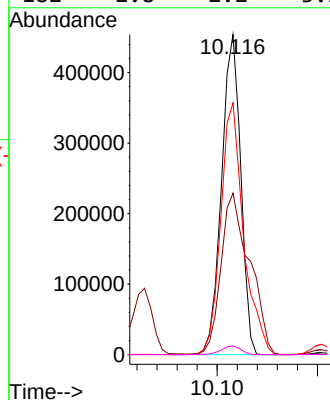
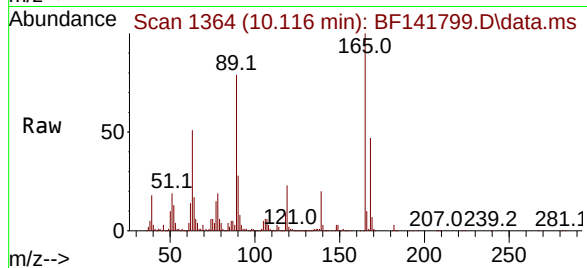




#57
2,4-Dinitrotoluene
Concen: 61.246 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

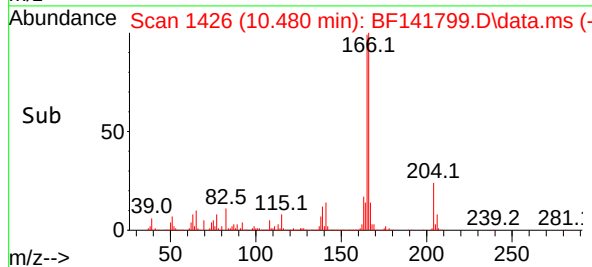
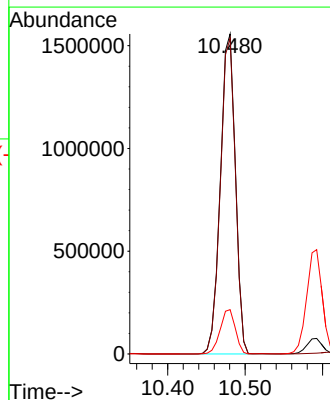
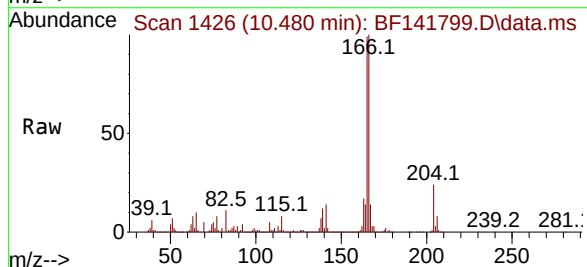
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

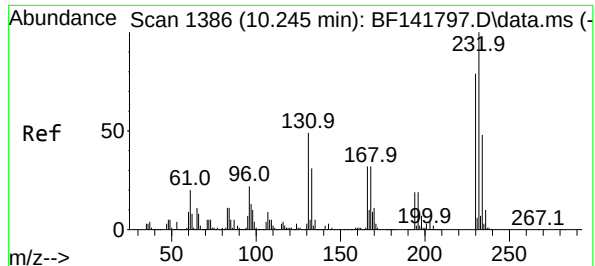
Tgt Ion:165 Resp: 601539
Ion Ratio Lower Upper
165 100
63 50.5 38.8 58.2
89 78.7 62.6 94.0
182 2.8 2.2 3.2



#58
Fluorene
Concen: 54.917 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:166 Resp: 2099887
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 13.9 11.0 16.4

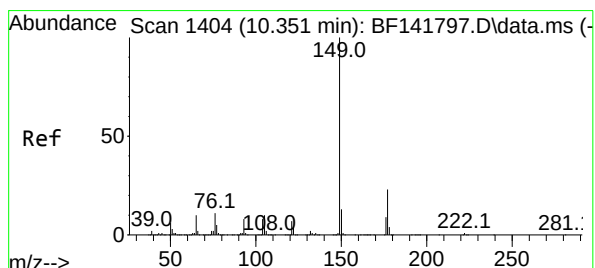
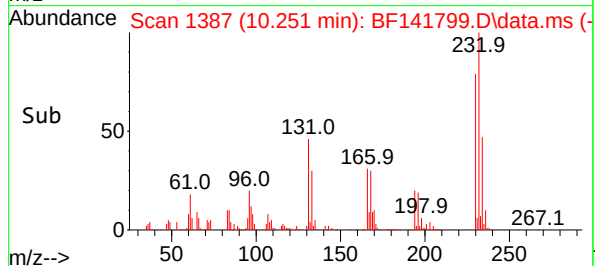
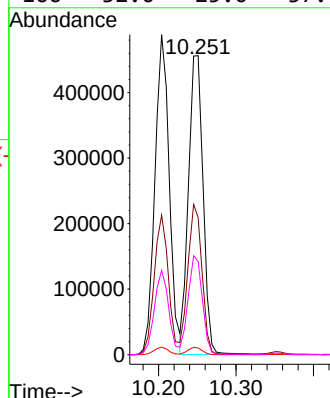
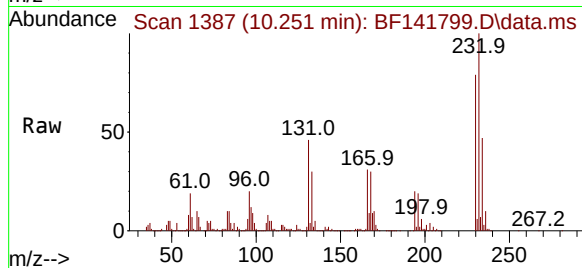




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.159 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

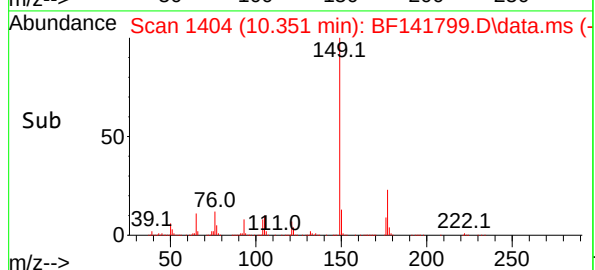
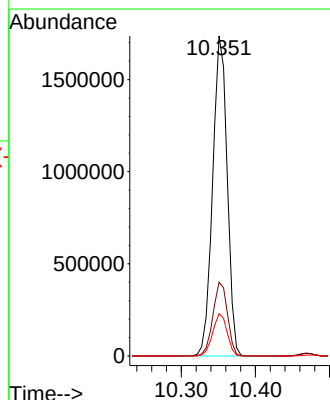
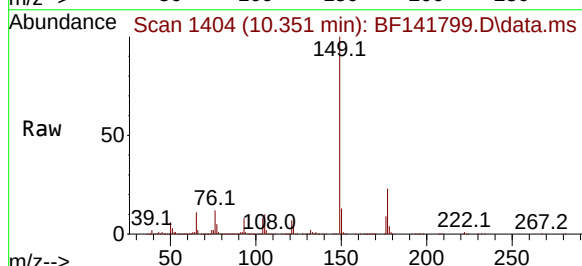
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

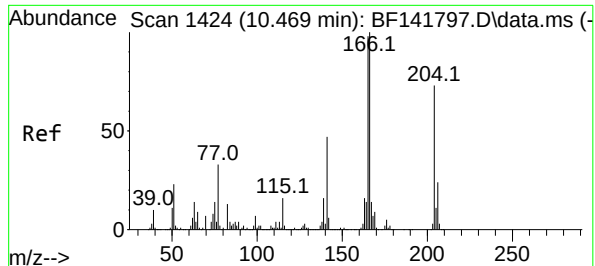
Tgt Ion:232 Resp: 596455
Ion Ratio Lower Upper
232 100
131 47.9 37.8 56.8
130 2.4 2.0 3.0
166 32.0 25.0 37.4



#60
Diethylphthalate
Concen: 56.972 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 2360216
Ion Ratio Lower Upper
149 100
177 23.1 18.3 27.5
150 13.2 10.3 15.5

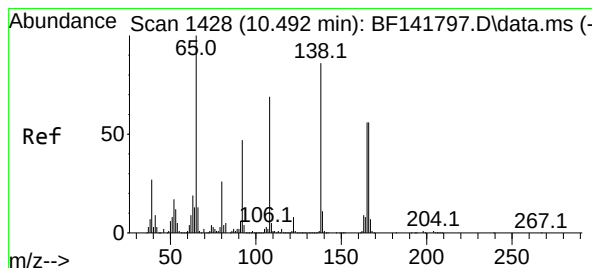
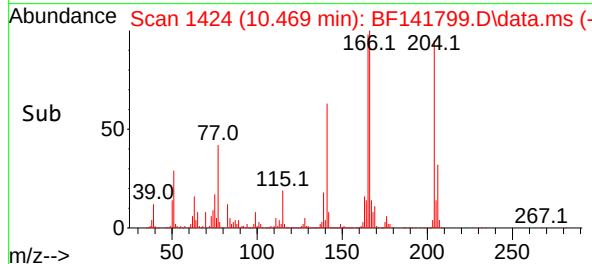
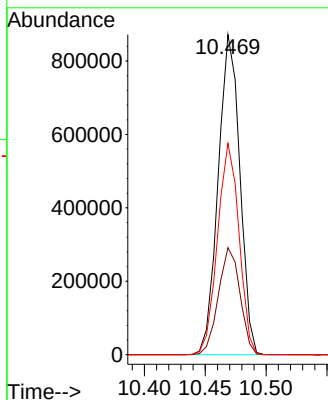
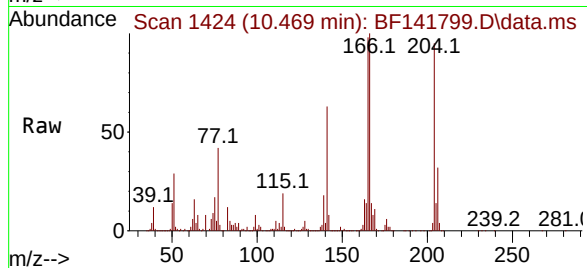




#61
4-Chlorophenyl-phenylether
Concen: 56.324 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

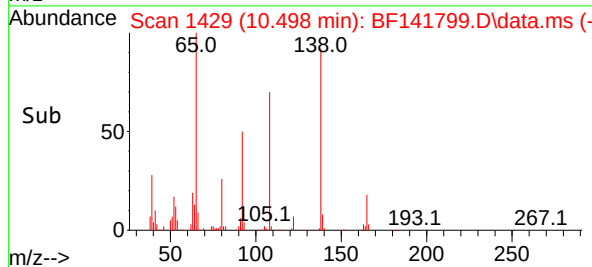
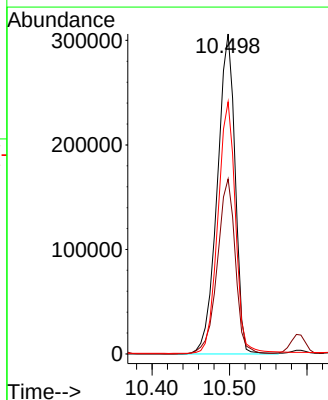
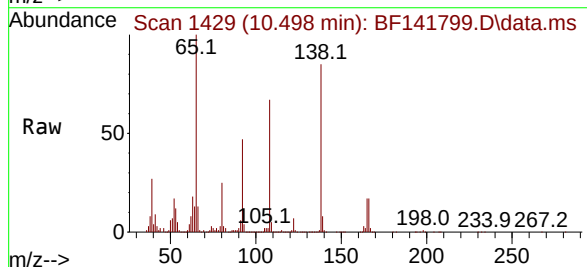
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

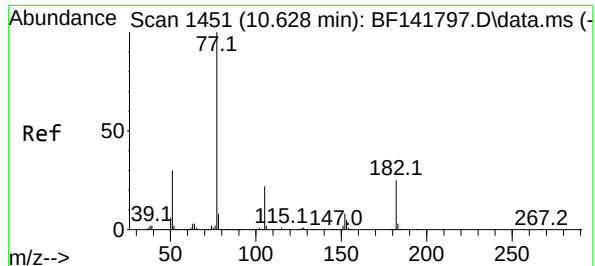
Tgt Ion:204 Resp: 1079059
Ion Ratio Lower Upper
204 100
206 33.4 26.2 39.4
141 66.0 51.7 77.5



#62
4-Nitroaniline
Concen: 69.546 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:138 Resp: 490806
Ion Ratio Lower Upper
138 100
92 54.7 34.9 74.9
108 78.8 59.6 99.6

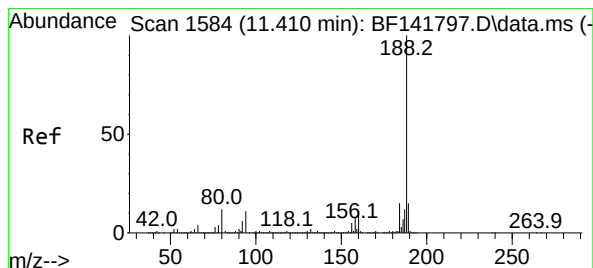
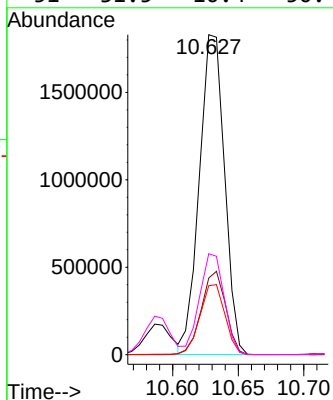
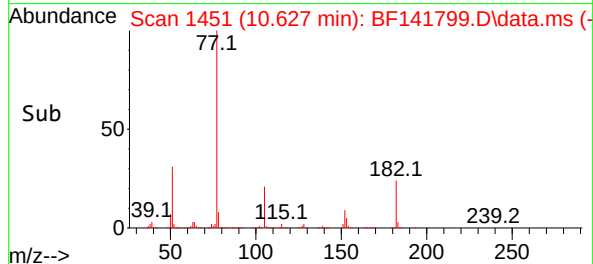
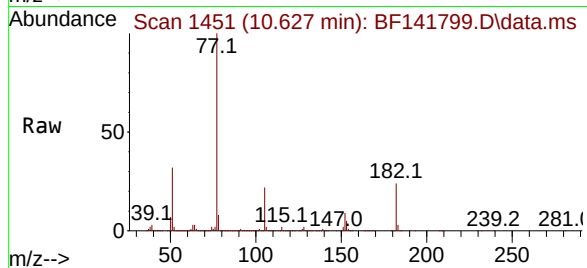




#63
Azobenzene
Concen: 56.242 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

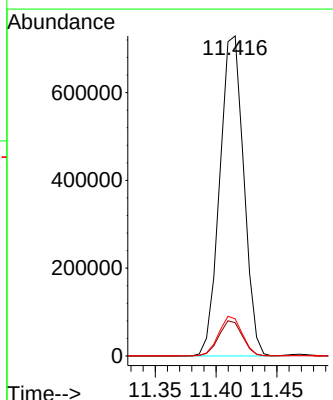
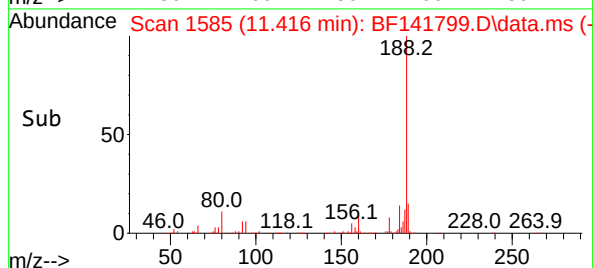
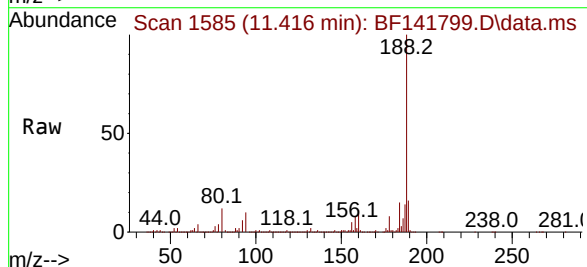
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

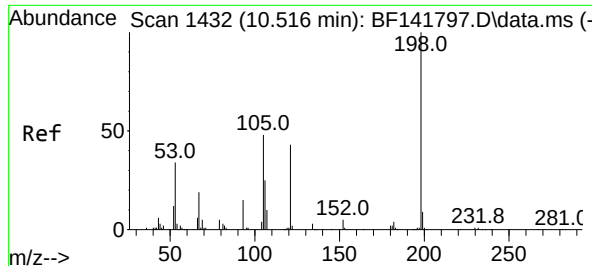
Tgt Ion: 77 Resp: 2453259
Ion Ratio Lower Upper
77 100
182 23.9 4.2 44.2
105 21.5 1.5 41.5
51 31.5 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 188 Resp: 999271
Ion Ratio Lower Upper
188 100
94 10.4 8.9 13.3
80 11.6 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 61.255 ng

RT: 10.522 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

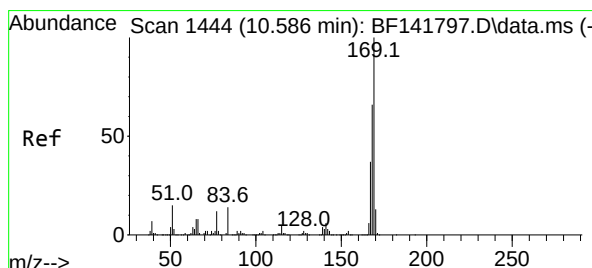
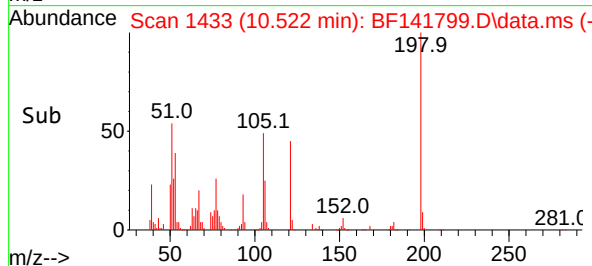
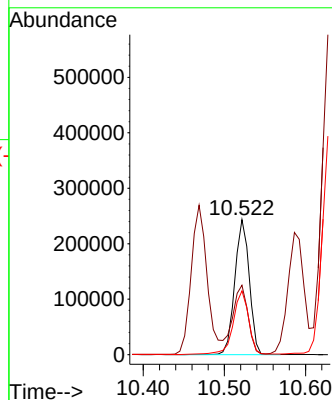
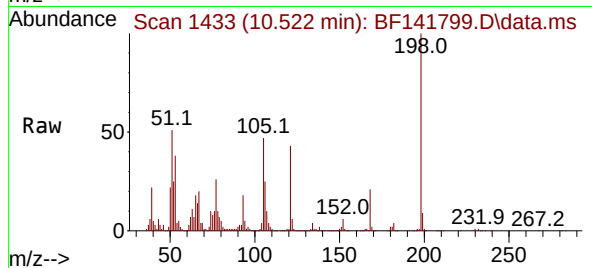
Tgt Ion:198 Resp: 300954

Ion Ratio Lower Upper

198 100

51 51.4 32.1 72.1

105 47.2 28.5 68.5



#66

n-Nitrosodiphenylamine

Concen: 56.913 ng

RT: 10.592 min Scan# 1445

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

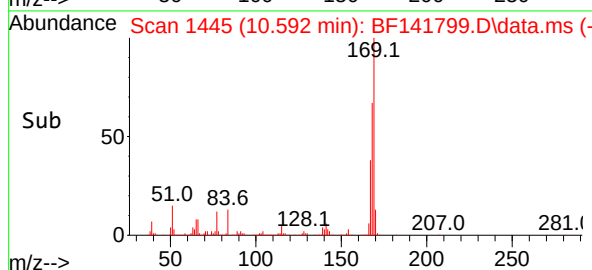
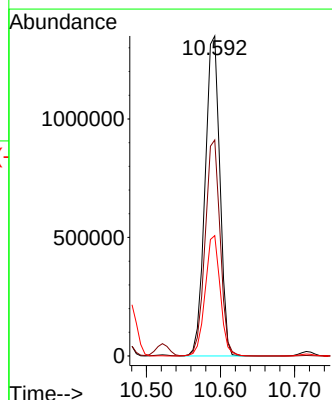
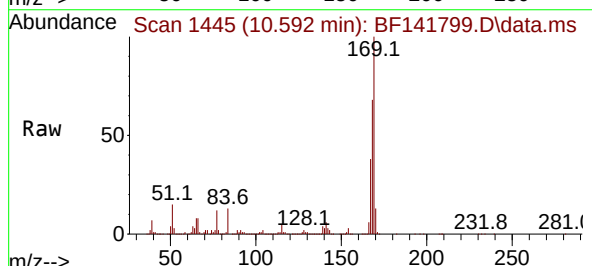
Tgt Ion:169 Resp: 1867463

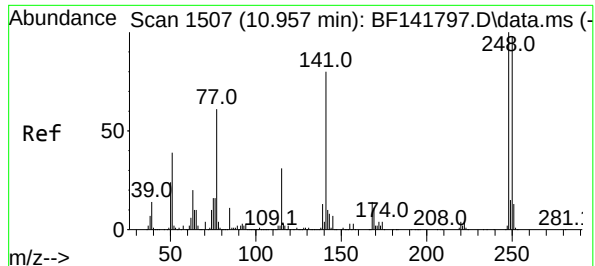
Ion Ratio Lower Upper

169 100

168 67.5 53.0 79.6

167 37.6 29.3 43.9

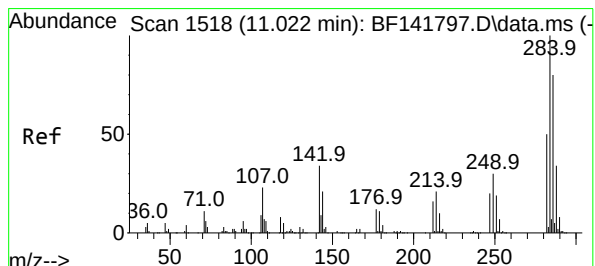
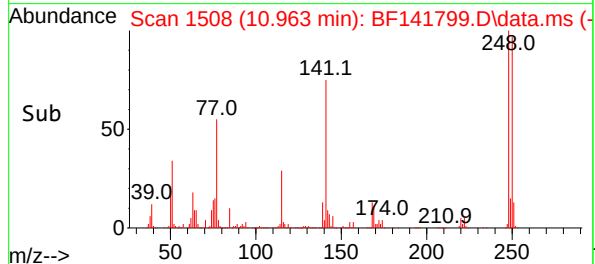
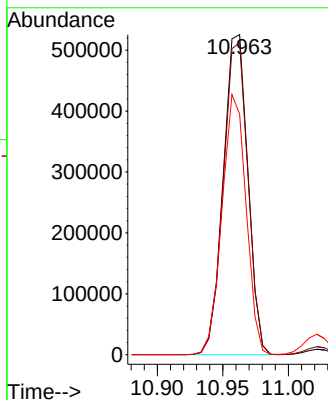
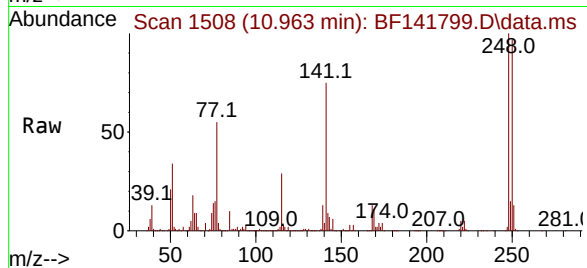




#67
4-Bromophenyl-phenylether
Concen: 59.012 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

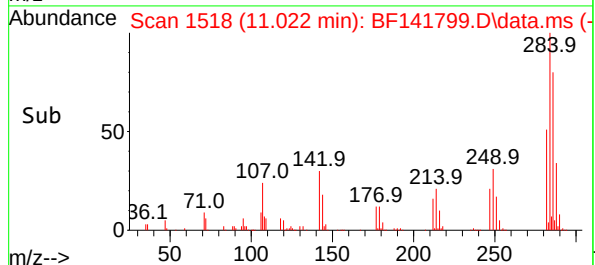
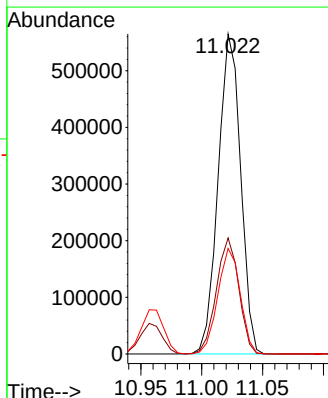
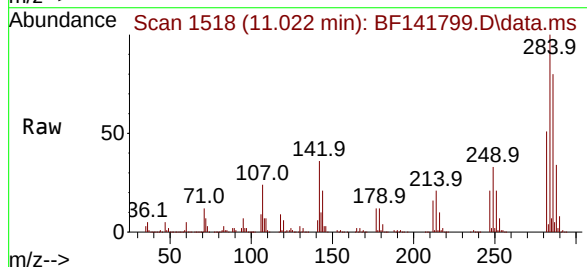
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

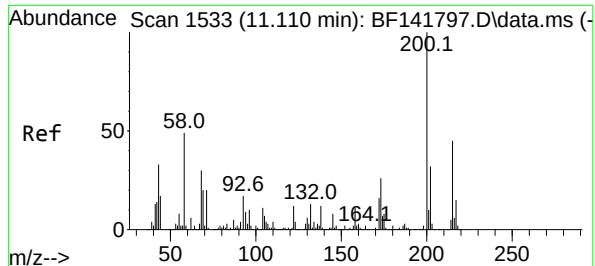
Tgt Ion:248 Resp: 688777
Ion Ratio Lower Upper
248 100
250 97.5 78.1 117.1
141 75.2 64.3 96.5



#68
Hexachlorobenzene
Concen: 58.945 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:284 Resp: 726507
Ion Ratio Lower Upper
284 100
142 36.3 28.2 42.2
249 33.0 25.5 38.3

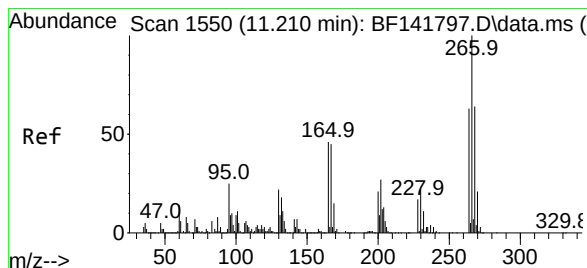
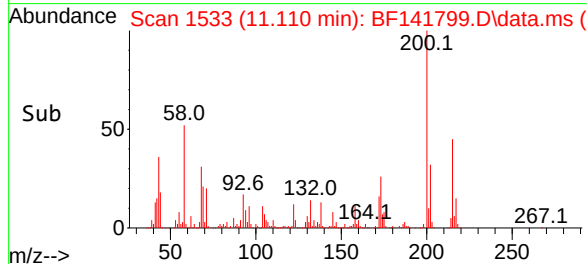
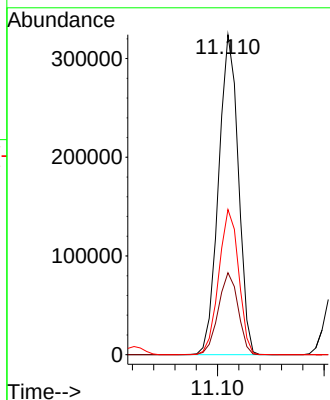
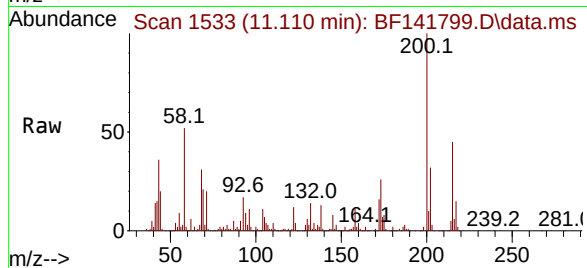




#69
Atrazine
Concen: 46.200 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

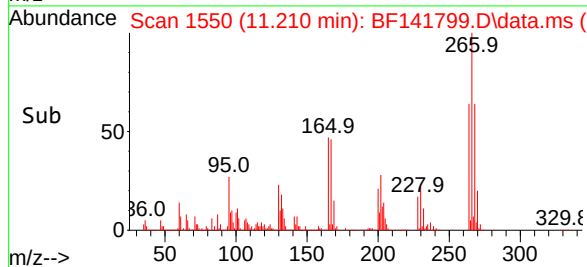
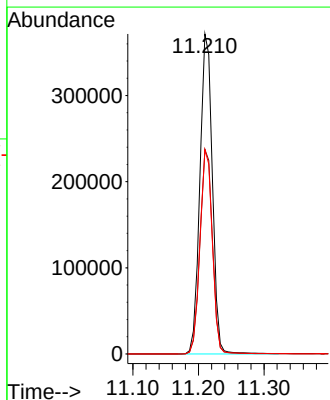
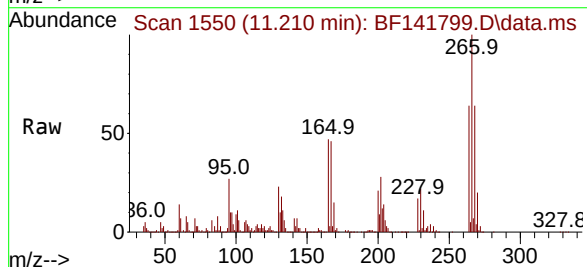
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

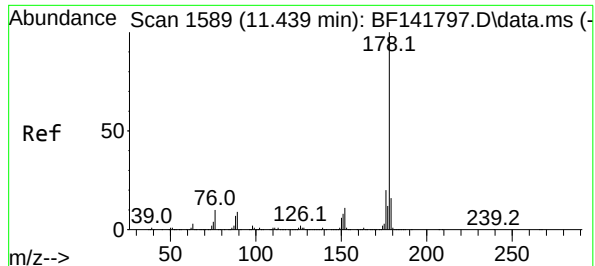
Tgt Ion:200 Resp: 416878
Ion Ratio Lower Upper
200 100
173 25.6 5.6 45.6
215 45.3 25.3 65.3



#70
Pentachlorophenol
Concen: 62.968 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:266 Resp: 492228
Ion Ratio Lower Upper
266 100
268 63.9 50.9 76.3
264 63.8 50.2 75.4

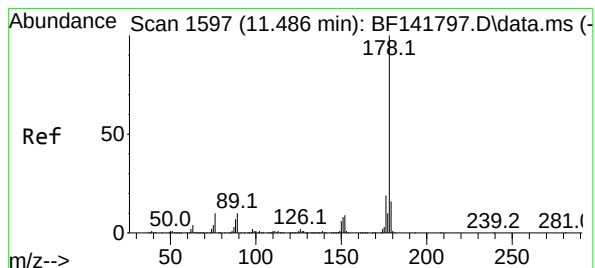
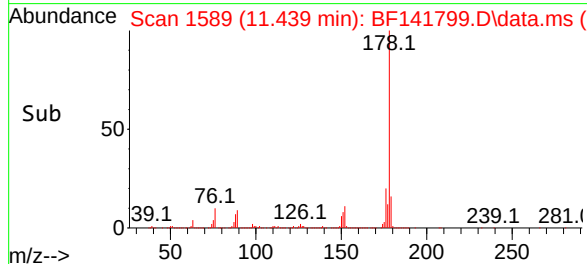
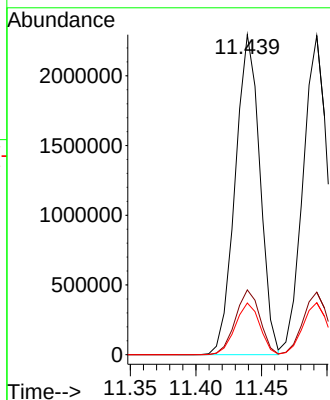
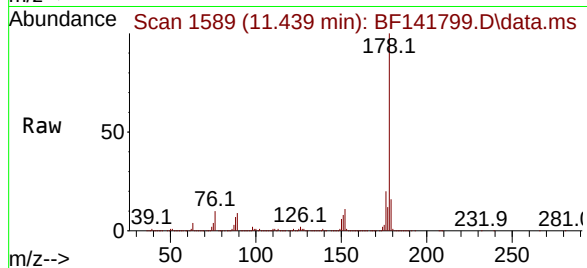




#71
Phenanthrene
Concen: 56.165 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

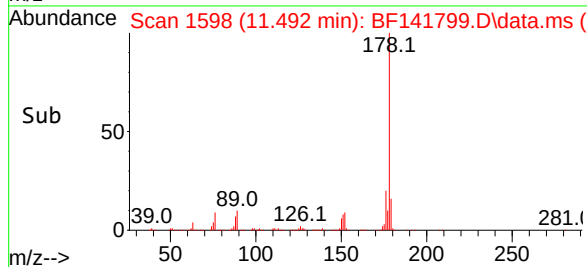
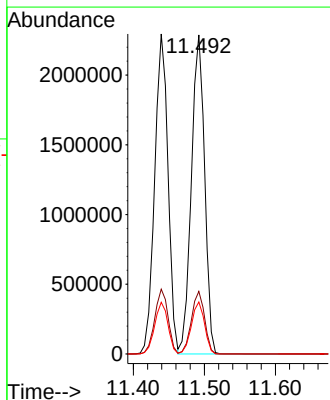
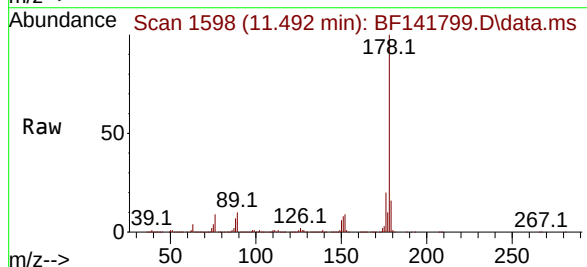
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

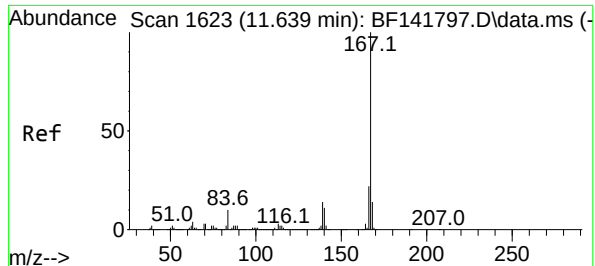
Tgt Ion:178 Resp: 3002094
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.2 12.6 19.0



#72
Anthracene
Concen: 55.373 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:178 Resp: 2966353
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 16.3 12.8 19.2

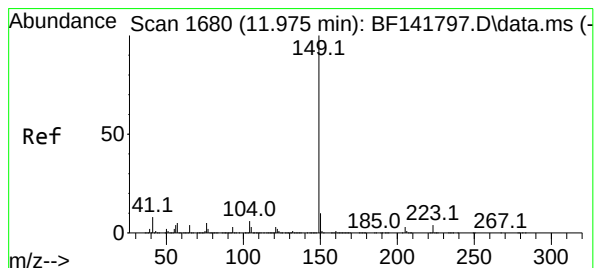
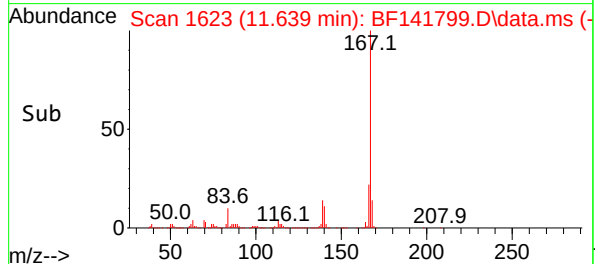
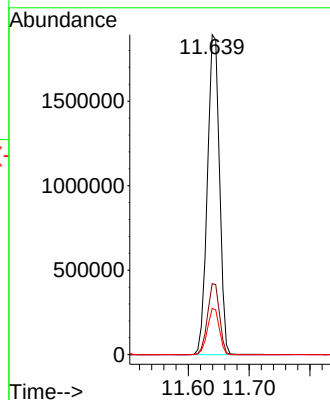
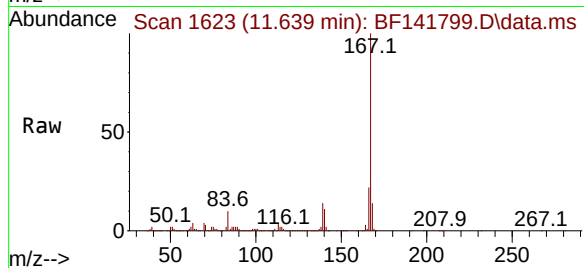




#73
Carbazole
Concen: 55.217 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

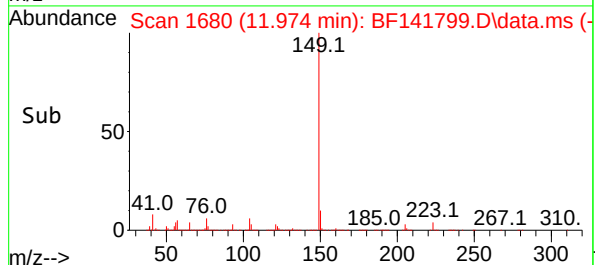
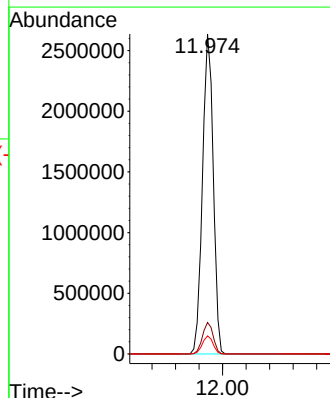
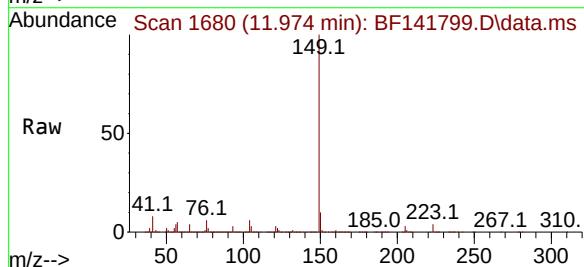
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

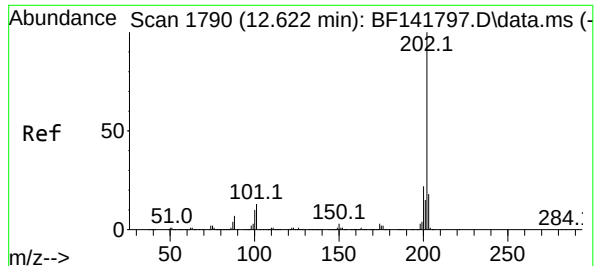
Tgt Ion:167 Resp: 2612132
Ion Ratio Lower Upper
167 100
166 22.2 17.5 26.3
139 14.5 11.3 16.9



#74
Di-n-butylphthalate
Concen: 55.675 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 3338525
Ion Ratio Lower Upper
149 100
150 9.9 7.7 11.5
104 5.7 4.4 6.6

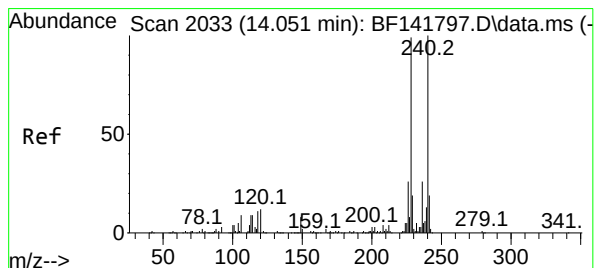
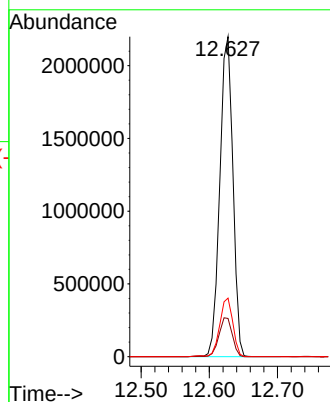
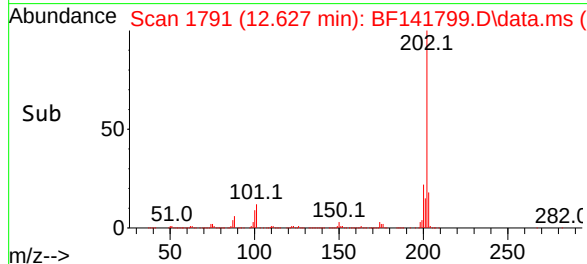
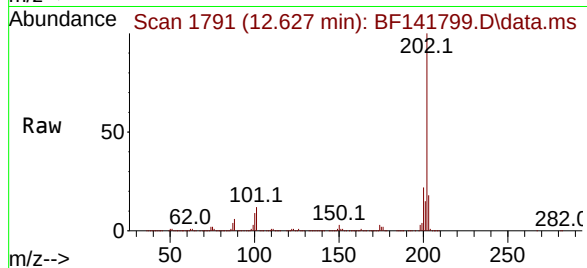




#75
Fluoranthene
Concen: 53.680 ng
RT: 12.627 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

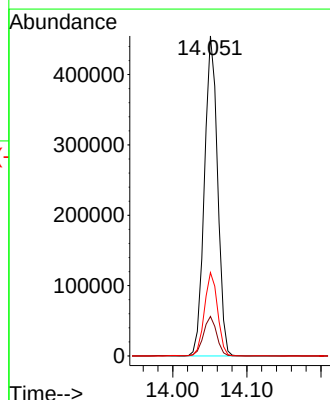
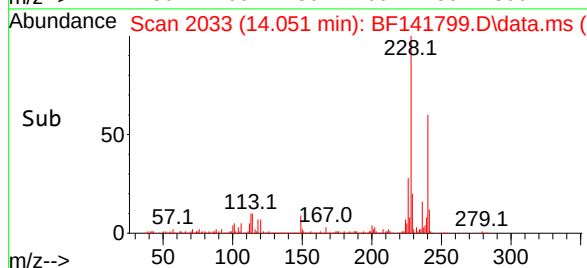
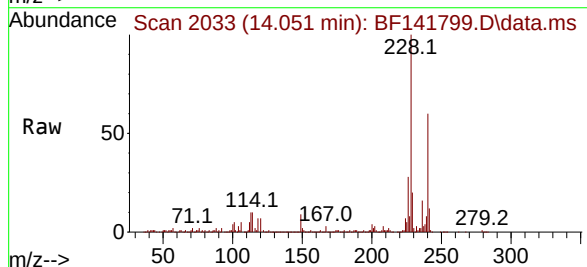
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

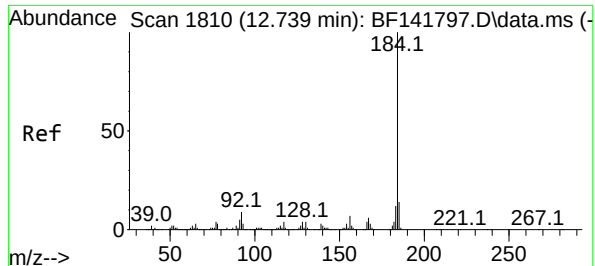
Tgt Ion:202 Resp: 2940034
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.8
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:240 Resp: 562939
Ion Ratio Lower Upper
240 100
120 12.4 9.7 14.5
236 26.0 21.0 31.4

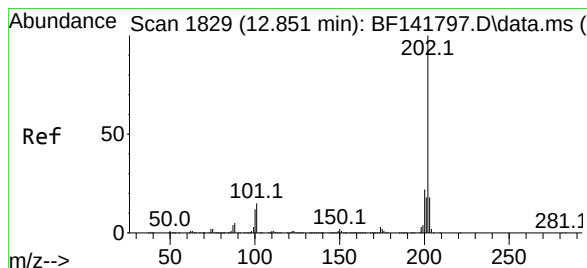
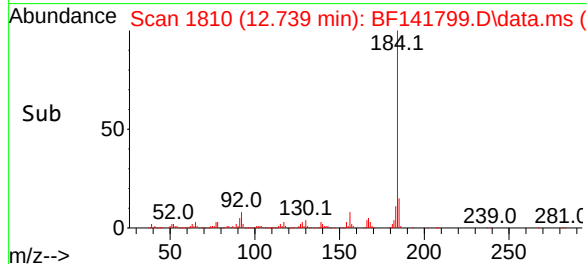
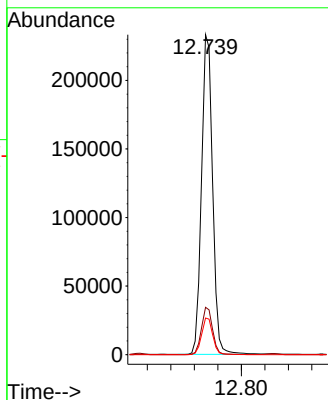
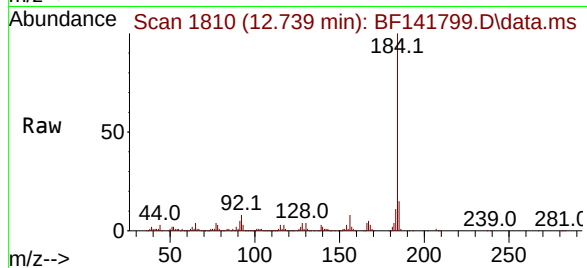




#77
Benzidine
Concen: 43.207 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

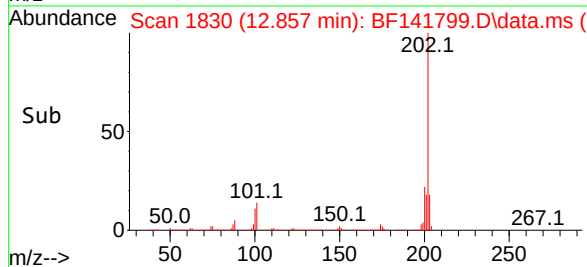
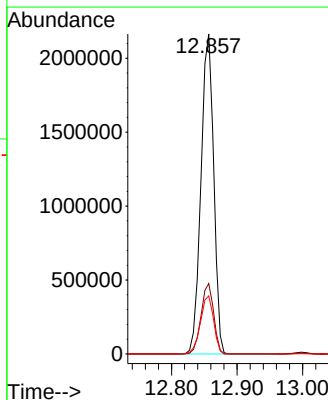
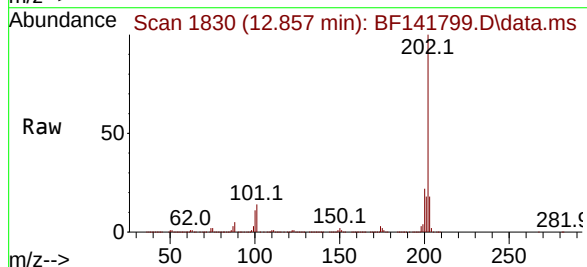
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

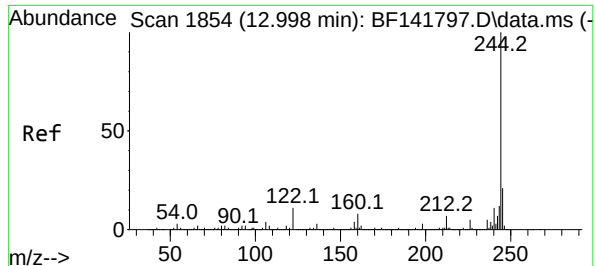
Tgt Ion:184 Resp: 306135
Ion Ratio Lower Upper
184 100
185 14.8 11.6 17.4
183 11.4 9.4 14.0



#78
Pyrene
Concen: 60.064 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:202 Resp: 2927964
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.0
203 18.2 14.6 22.0

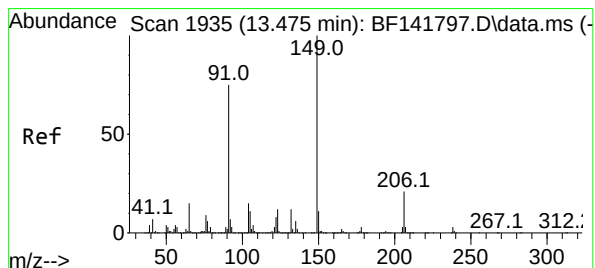
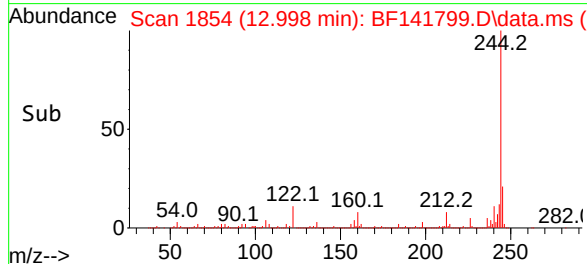
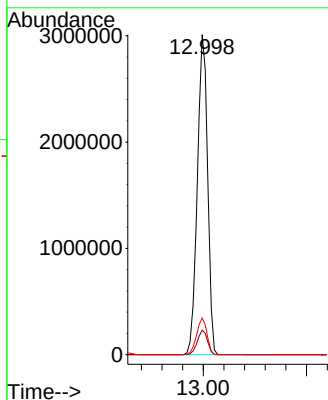
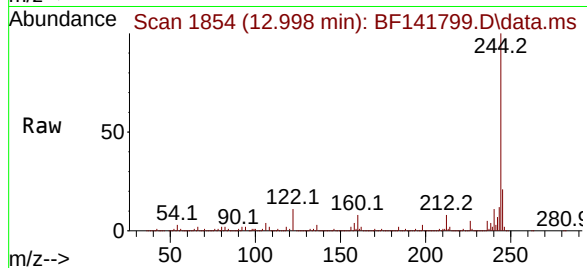




#79
Terphenyl-d14
Concen: 119.098 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

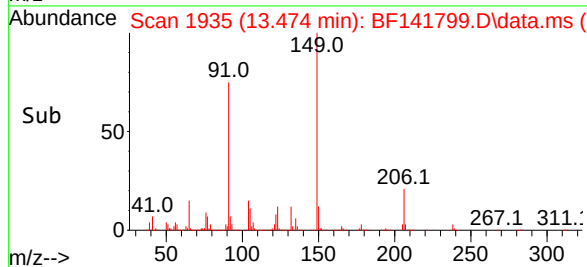
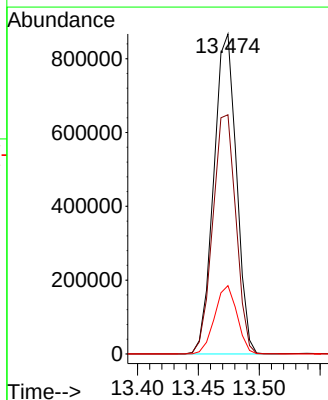
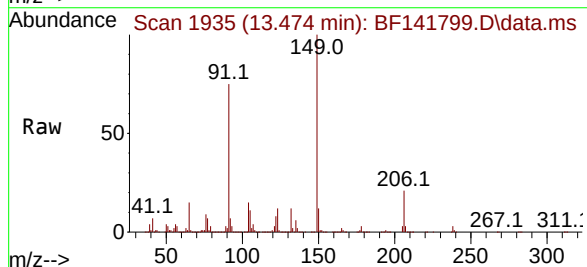
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

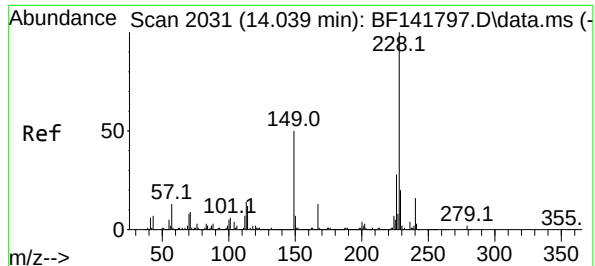
Tgt Ion:244 Resp: 4143891
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 11.5 9.0 13.6



#80
Butylbenzylphthalate
Concen: 63.605 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1126511
Ion Ratio Lower Upper
149 100
91 74.8 60.1 90.1
206 21.3 16.8 25.2





#81

Benzo(a)anthracene

Concen: 57.309 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

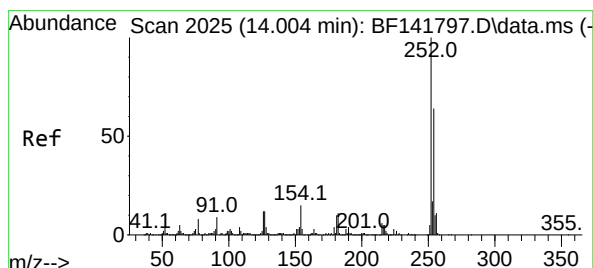
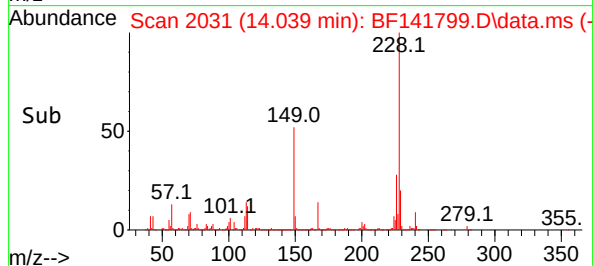
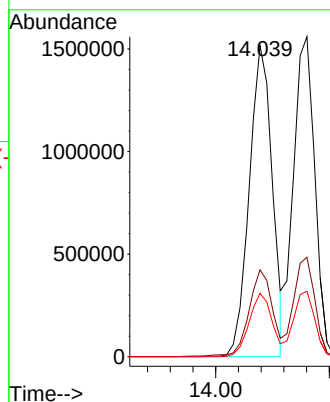
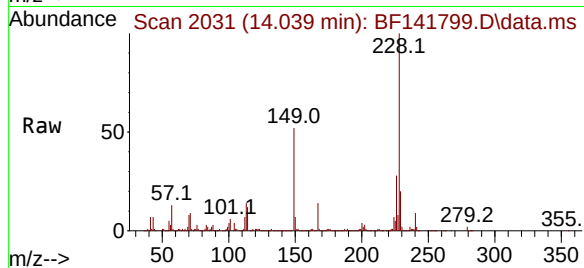
Tgt Ion:228 Resp: 2130928

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 20.4 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 57.639 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

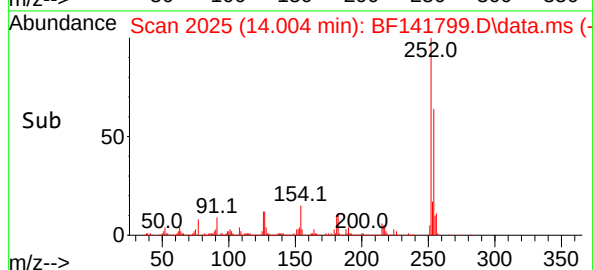
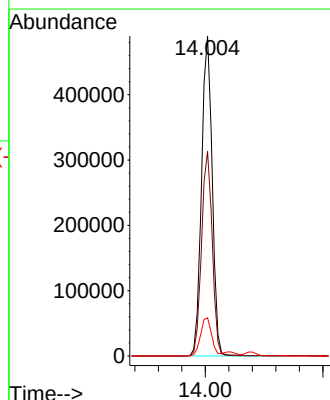
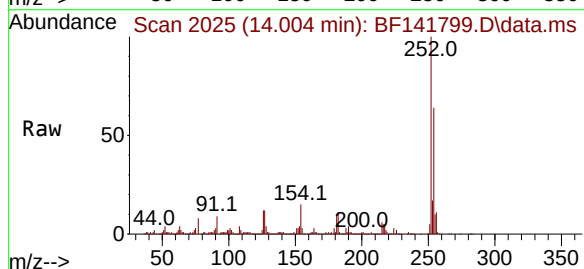
Tgt Ion:252 Resp: 614898

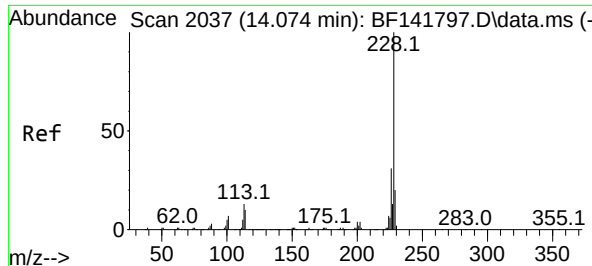
Ion Ratio Lower Upper

252 100

254 63.9 51.4 77.0

126 11.9 9.8 14.6

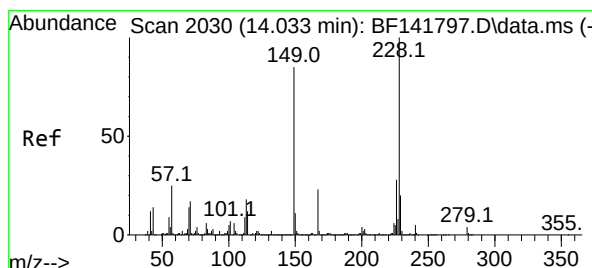
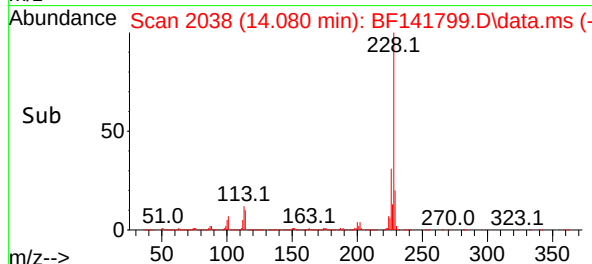
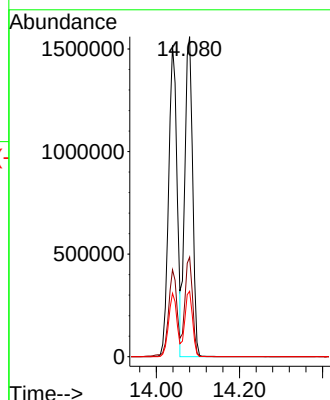
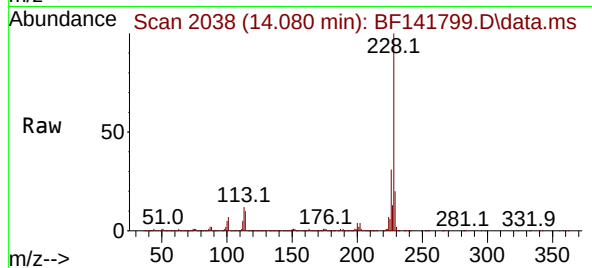




#83
Chrysene
Concen: 59.545 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

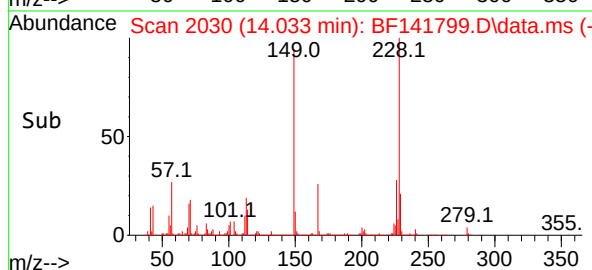
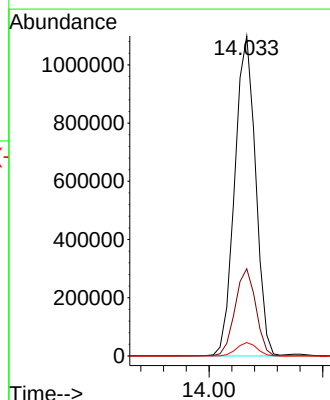
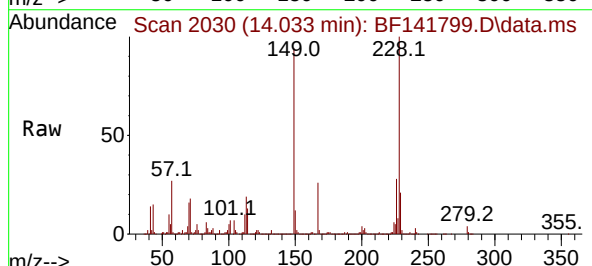
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

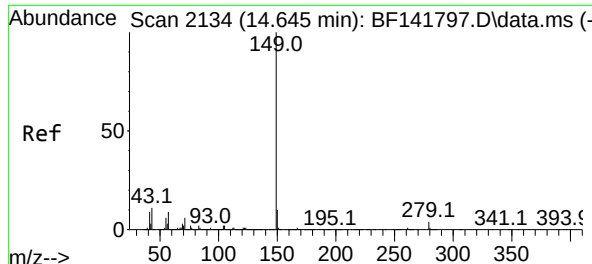
Tgt Ion:228 Resp: 2040957
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 20.4 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 63.421 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1398602
Ion Ratio Lower Upper
149 100
167 27.2 21.2 31.8
279 4.2 3.3 4.9

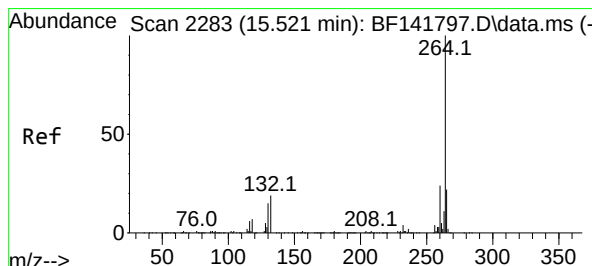
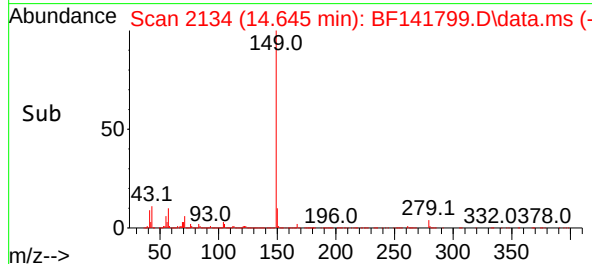
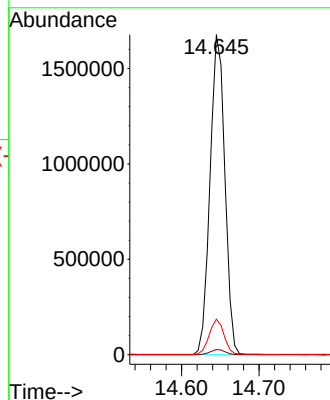
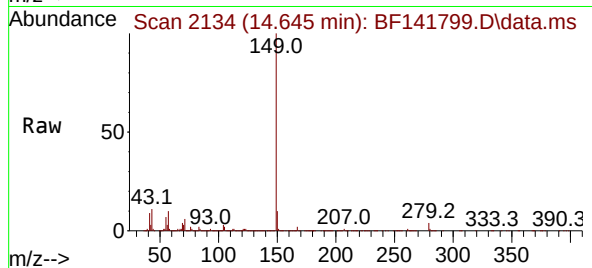




#85
Di-n-octyl phthalate
Concen: 67.411 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

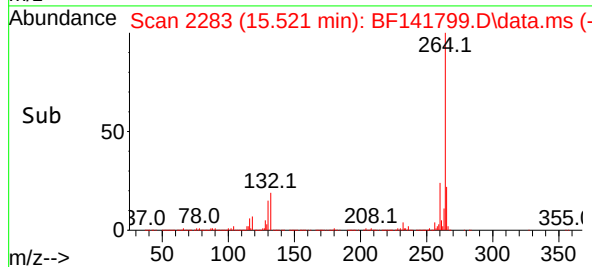
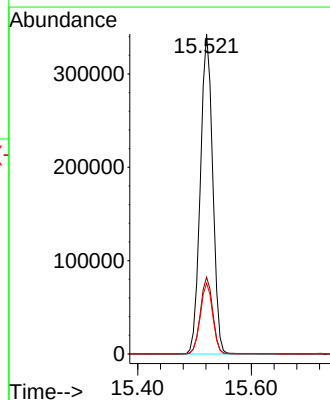
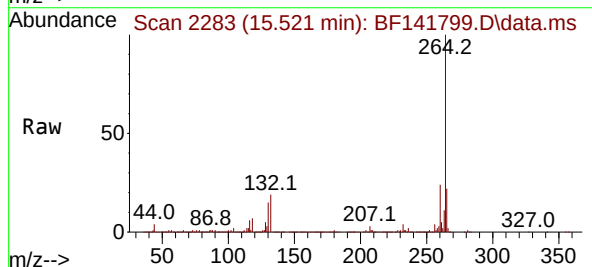
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

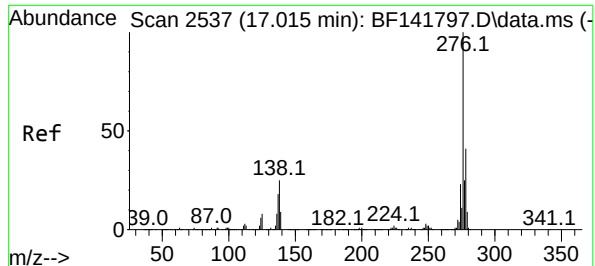
Tgt Ion:149 Resp: 2225625
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.0 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:264 Resp: 517191
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 22.1 17.4 26.0

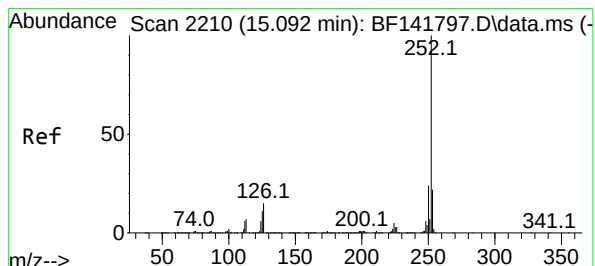
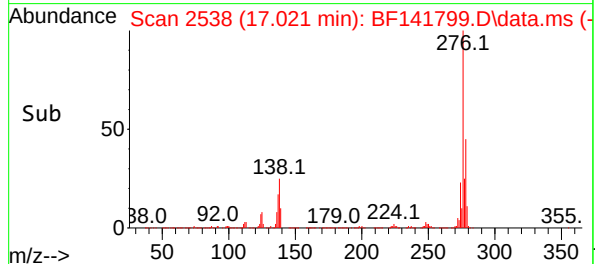
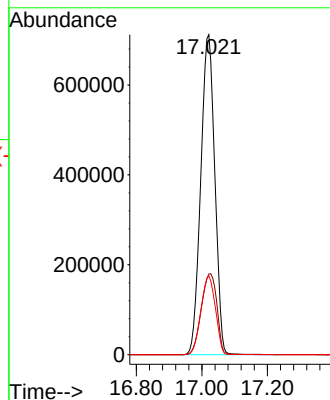
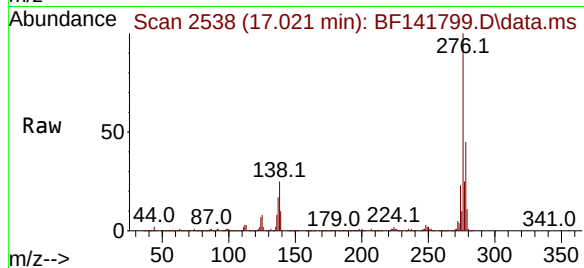




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.589 ng
RT: 17.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

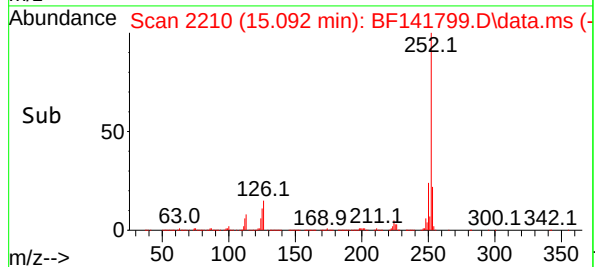
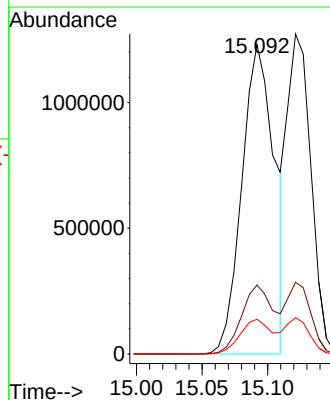
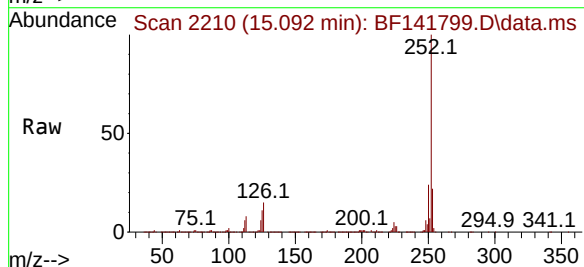
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

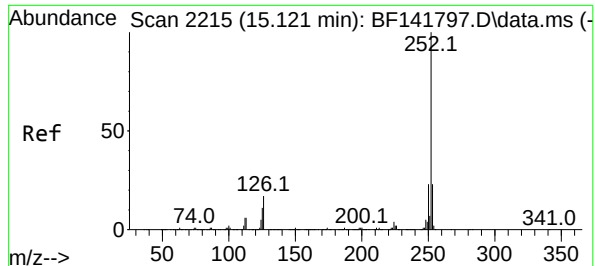
Tgt Ion:276 Resp: 2127125
Ion Ratio Lower Upper
276 100
138 28.0 22.5 33.7
277 25.4 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 60.349 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 2126076
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 53.909 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

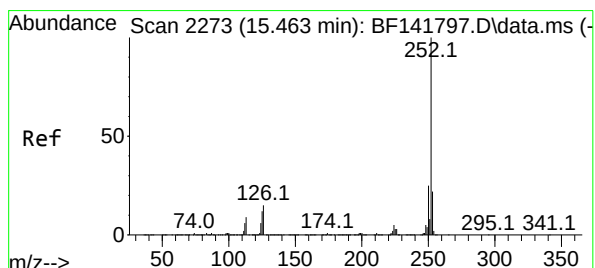
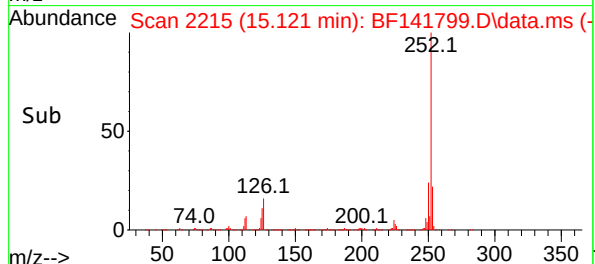
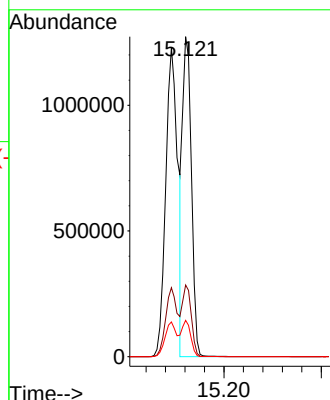
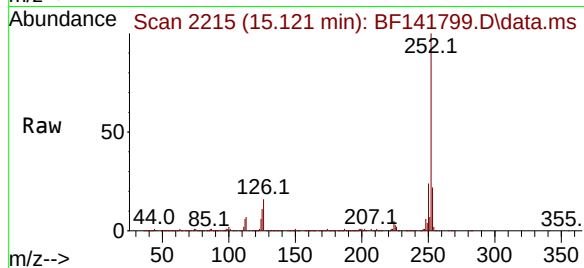
Tgt Ion:252 Resp: 1614240

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 11.4 8.8 13.2



#90

Benzo(a)pyrene

Concen: 59.327 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

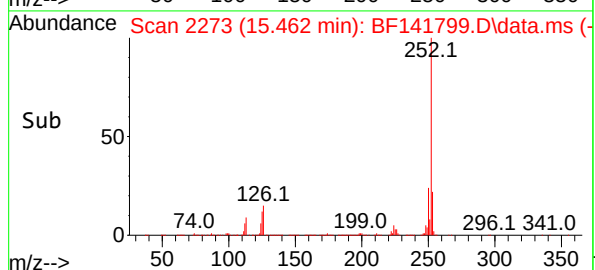
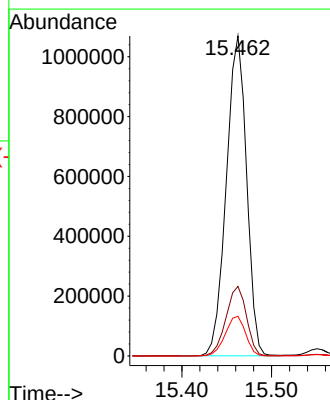
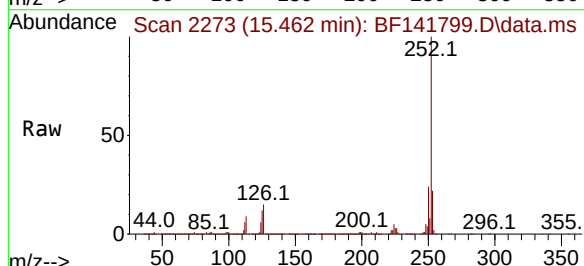
Tgt Ion:252 Resp: 1676196

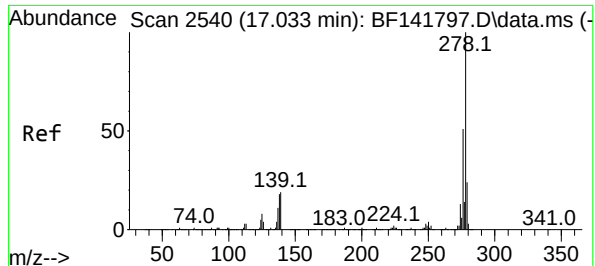
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 12.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 63.544 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

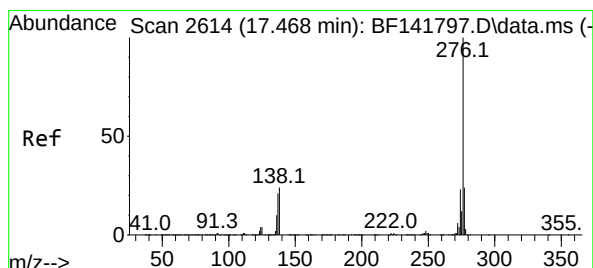
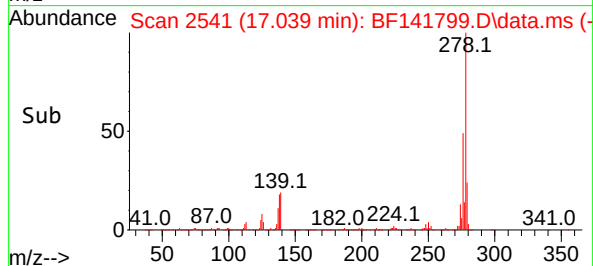
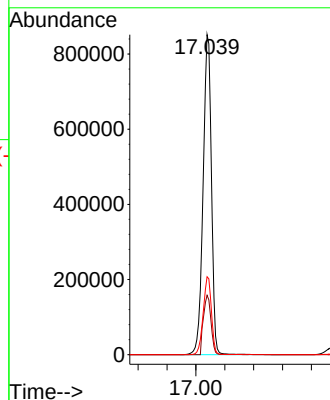
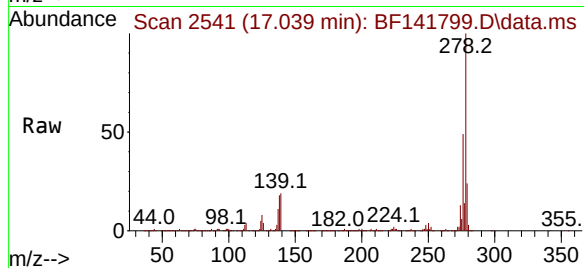
Tgt Ion:278 Resp: 1708189

Ion Ratio Lower Upper

278 100

139 18.5 14.9 22.3

279 24.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 65.105 ng

RT: 17.474 min Scan# 2615

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

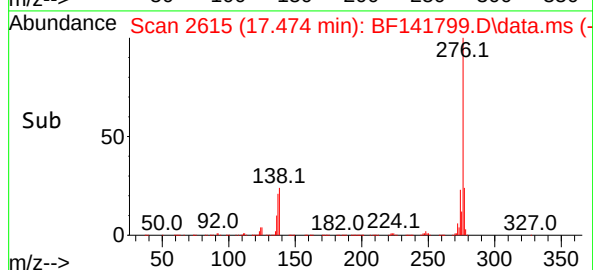
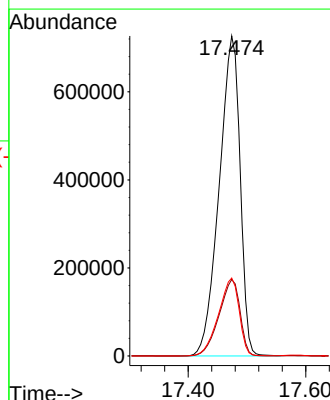
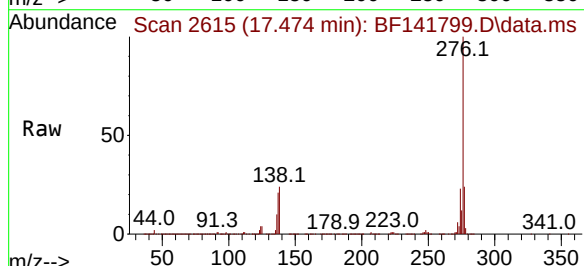
Tgt Ion:276 Resp: 1792957

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 24.3 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141800.D
 Acq On : 27 Feb 2025 18:45
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 01:28:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	288826	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1114934	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	596680	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	953117	20.000	ng	0.00
76) Chrysene-d12	14.051	240	523206	20.000	ng	0.00
86) Perylene-d12	15.521	264	508610	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	2612441	144.448	ng	0.00
7) Phenol-d6	6.522	99	3411771	144.934	ng	0.01
23) Nitrobenzene-d5	7.463	82	3027619	173.576	ng	0.01
42) 2,4,6-Tribromophenol	10.722	330	924112	164.969	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	5006600	134.541	ng	0.00
79) Terphenyl-d14	13.004	244	4843134	149.765	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	624874	76.145	ng	100
3) Pyridine	3.446	79	1560139	76.409	ng	99
4) n-Nitrosodimethylamine	3.410	42	788941	80.304	ng	98
6) Aniline	6.551	93	1743358m	71.624	ng	
8) 2-Chlorophenol	6.681	128	1409554	72.047	ng	99
9) Benzaldehyde	6.445	77	801799	58.556	ng	100
10) Phenol	6.539	94	1807328m	72.063	ng	
11) bis(2-Chloroethyl)ether	6.634	93	1461868	76.240	ng	96
12) 1,3-Dichlorobenzene	6.834	146	1510694	72.103	ng	99
13) 1,4-Dichlorobenzene	6.910	146	1522041	72.097	ng	99
14) 1,2-Dichlorobenzene	7.069	146	1370457	69.519	ng	99
15) Benzyl Alcohol	7.034	79	1363091	72.454	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	2095843	71.973	ng	98
17) 2-Methylphenol	7.139	107	1211432	75.016	ng	99
18) Hexachloroethane	7.404	117	593057	75.056	ng	98
19) n-Nitroso-di-n-propyla...	7.322	70	1126427	72.793	ng	98
20) 3+4-Methylphenols	7.298	107	1383814	68.816	ng	# 88
22) Acetophenone	7.310	105	1933636	71.209	ng	99
24) Nitrobenzene	7.481	77	1579955	84.587	ng	100
25) Isophorone	7.722	82	2894041	77.230	ng	100
26) 2-Nitrophenol	7.792	139	705125	81.046	ng	100
27) 2,4-Dimethylphenol	7.822	122	1051076	76.304	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	1759255	73.596	ng	99
29) 2,4-Dichlorophenol	8.028	162	1227409	77.239	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	1304033	74.888	ng	99
31) Naphthalene	8.198	128	4040110	70.504	ng	99
32) Benzoic acid	7.975	122	1008619	81.363	ng	99
33) 4-Chloroaniline	8.251	127	1607098	76.489	ng	100
34) Hexachlorobutadiene	8.316	225	836069	77.265	ng	99
35) Caprolactam	8.639	113	383145	78.359	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	1349234	76.431	ng	99
37) 2-Methylnaphthalene	8.886	142	2637302	70.167	ng	99
38) 1-Methylnaphthalene	8.986	142	2541019	70.457	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	1288540	74.773	ng	99
41) Hexachlorocyclopentadiene	9.039	237	564266	78.461	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	898797	80.742	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141800.D
 Acq On : 27 Feb 2025 18:45
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 01:28:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	859610	77.984	ng	99
46) 1,1'-Biphenyl	9.357	154	3156440	69.499	ng	99
47) 2-Chloronaphthalene	9.380	162	2401468	71.641	ng	98
48) 2-Nitroaniline	9.469	65	770567	80.727	ng	99
49) Acenaphthylene	9.792	152	3512076	69.880	ng	99
50) Dimethylphthalate	9.663	163	2921217	73.107	ng	100
51) 2,6-Dinitrotoluene	9.716	165	622623	79.481	ng	100
52) Acenaphthene	9.969	154	2480302	73.139	ng	100
53) 3-Nitroaniline	9.886	138	667119	79.835	ng	97
54) 2,4-Dinitrophenol	9.986	184	277943	79.409	ng	# 1
55) Dibenzofuran	10.139	168	3427897	69.448	ng	98
56) 4-Nitrophenol	10.033	139	541317	91.723	ng	100
57) 2,4-Dinitrotoluene	10.122	165	764012	79.344	ng	97
58) Fluorene	10.480	166	2557382	69.170	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	752913	78.537	ng	99
60) Diethylphthalate	10.357	149	2893471	72.232	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	1341441	72.414	ng	99
62) 4-Nitroaniline	10.504	138	611855	89.663	ng	99
63) Azobenzene	10.633	77	3013185	71.441	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	393349	80.929	ng	98
66) n-Nitrosodiphenylamine	10.592	169	2313580	73.923	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	852216	76.550	ng	98
68) Hexachlorobenzene	11.027	284	902644	76.782	ng	97
70) Pentachlorophenol	11.216	266	610264	81.849	ng	100
71) Phenanthrene	11.439	178	3584436	70.307	ng	99
72) Anthracene	11.492	178	3550480	69.487	ng	98
73) Carbazole	11.645	167	3130504	69.380	ng	99
74) Di-n-butylphthalate	11.974	149	3944814	68.971	ng	99
75) Fluoranthene	12.627	202	3496011	66.922	ng	99
77) Benzidine	12.745	184	660393	100.283	ng	99
78) Pyrene	12.857	202	3466035	76.502	ng	99
80) Butylbenzylphthalate	13.474	149	1364388	82.887	ng	100
81) Benzo(a)anthracene	14.039	228	2703093	78.217	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	762858	76.939	ng	100
83) Chrysene	14.080	228	2394861	75.176	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1730418	84.426	ng	99
85) Di-n-octyl phthalate	14.645	149	2821762	91.958	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	2842850	87.778	ng	99
88) Benzo(b)fluoranthene	15.092	252	2556011	73.777	ng	98
89) Benzo(k)fluoranthene	15.127	252	2184261	74.176	ng	99
90) Benzo(a)pyrene	15.468	252	2156583	77.617	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	2269377	85.844	ng	99
92) Benzo(g,h,i)perylene	17.486	276	2397751	88.534	ng	99

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

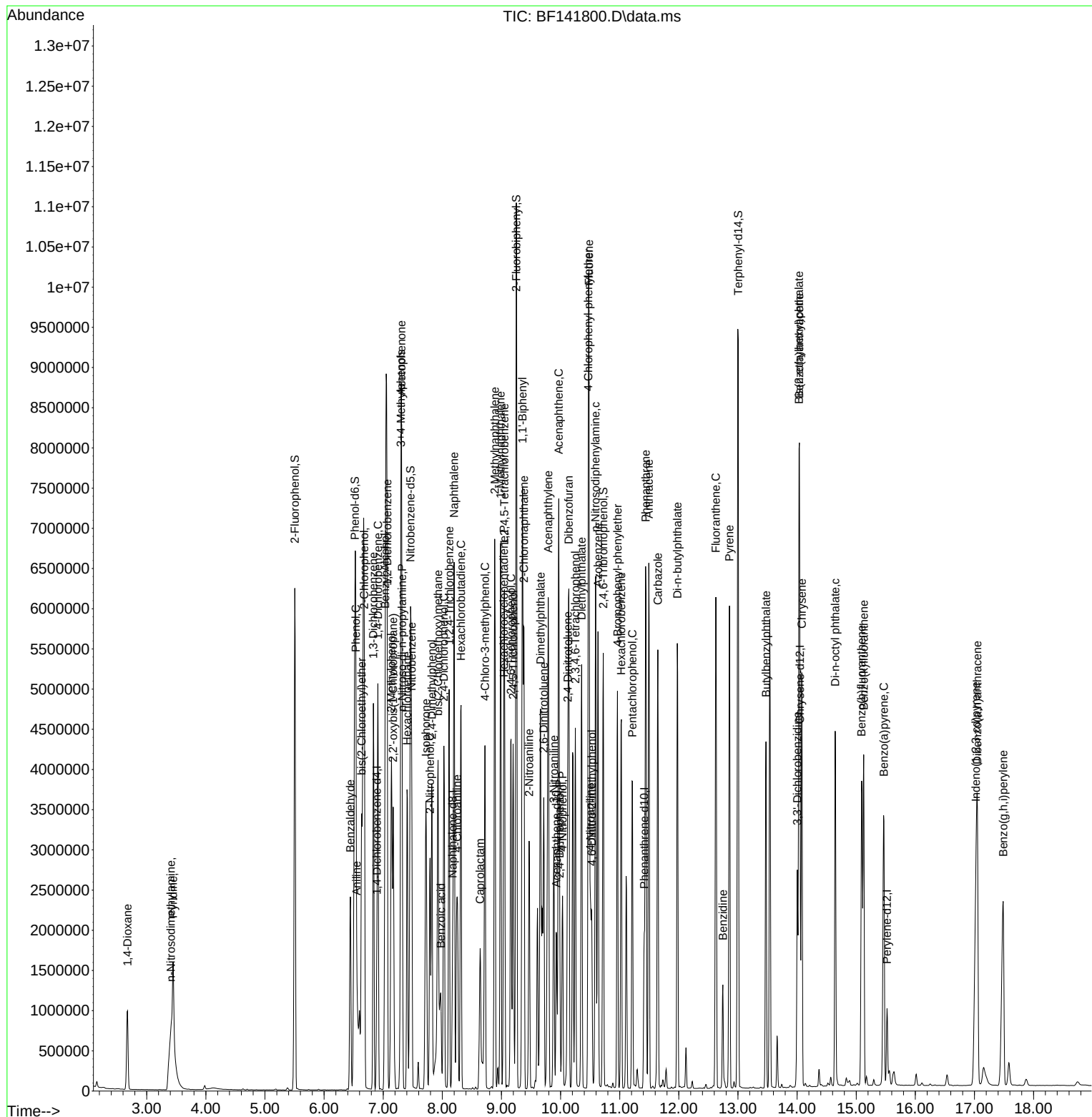

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Data File : BF141800.D  
Acq On    : 27 Feb 2025  18:45  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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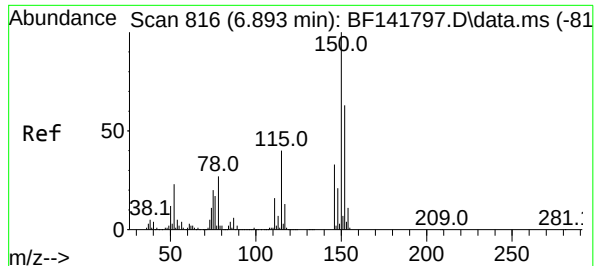
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

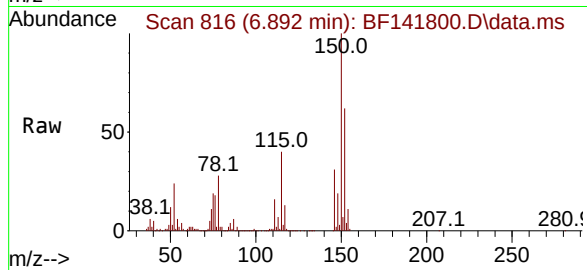
Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

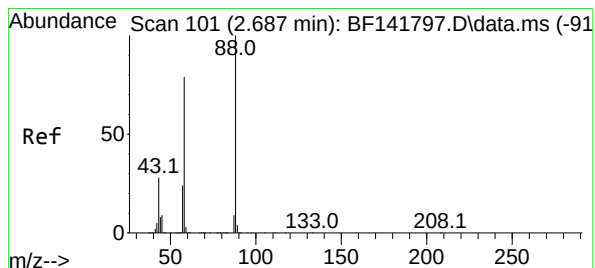
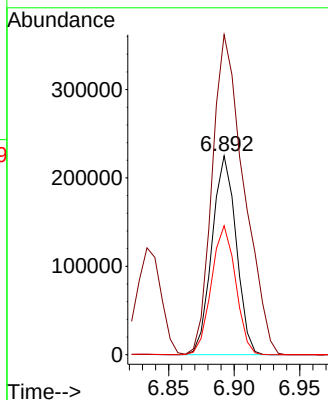
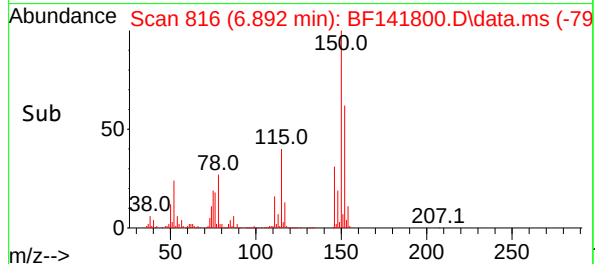
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 288820
Ion Ratio Lower Upper
152 100
150 160.9 127.5 191.3
115 64.9 51.4 77.2

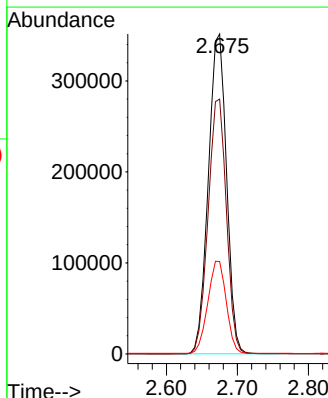
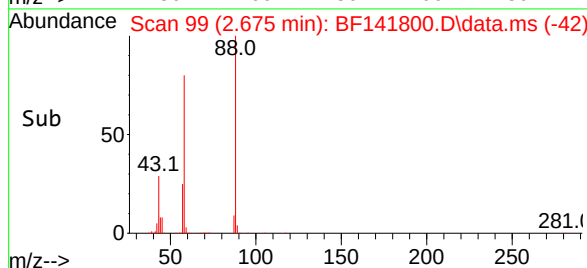
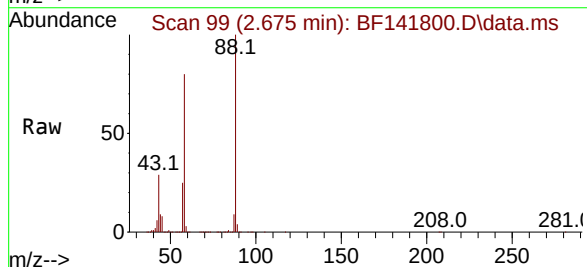
Manual Integrations
APPROVED

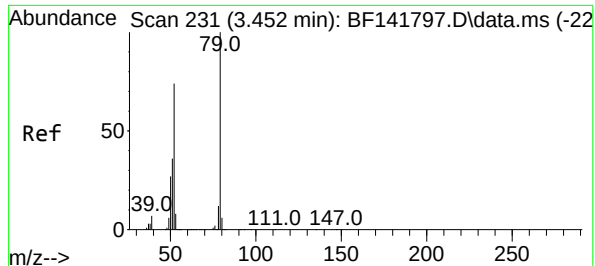
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#2
1,4-Dioxane
Concen: 76.145 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 88 Resp: 624874
Ion Ratio Lower Upper
88 100
58 80.3 63.9 95.9
43 29.2 23.0 34.6





#3

Pyridine

Concen: 76.409 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 1560139

Ion Ratio Lower Upper

79 100

52 73.2 59.0 88.4

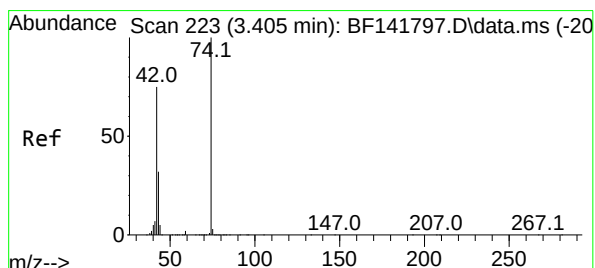
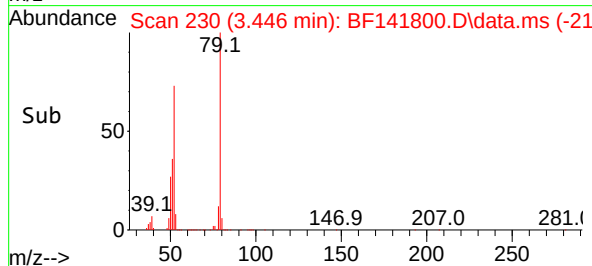
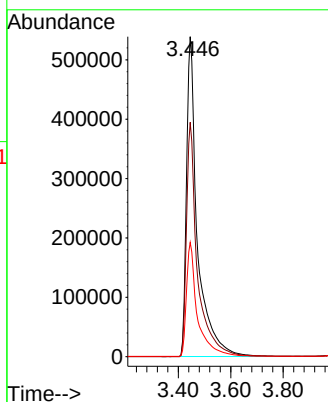
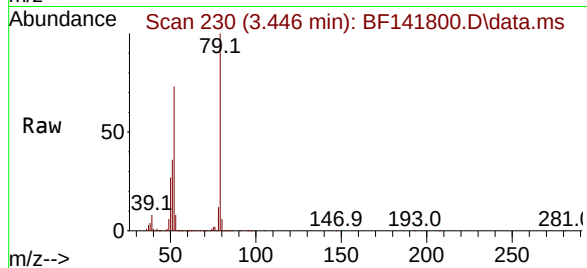
51 35.7 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 80.304 ng

RT: 3.410 min Scan# 224

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

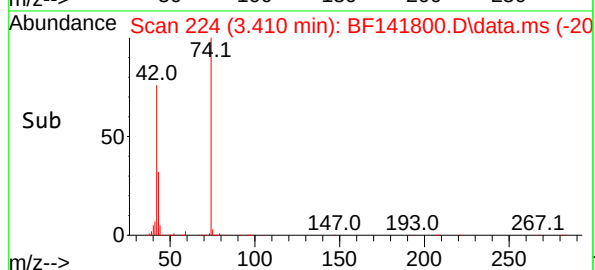
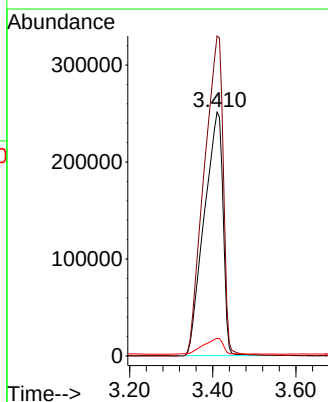
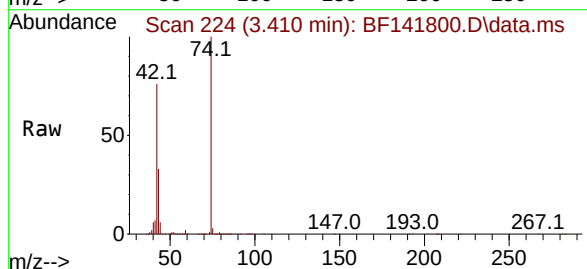
Tgt Ion: 42 Resp: 788941

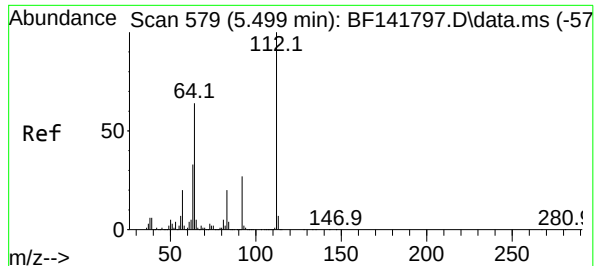
Ion Ratio Lower Upper

42 100

74 131.2 107.1 160.7

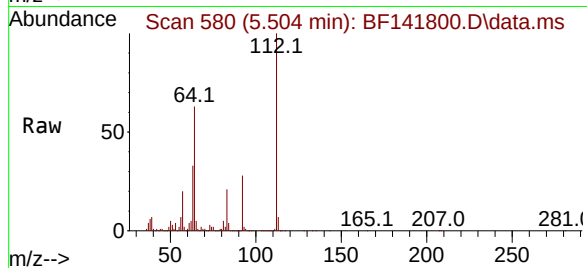
44 7.2 6.6 9.8





#5
2-Fluorophenol
Concen: 144.448 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

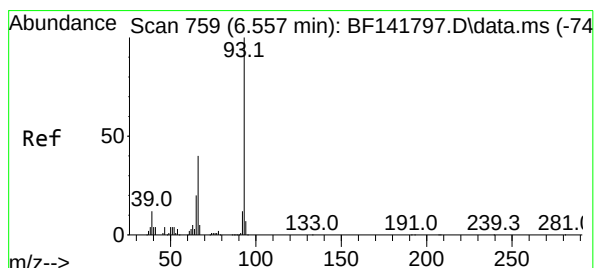
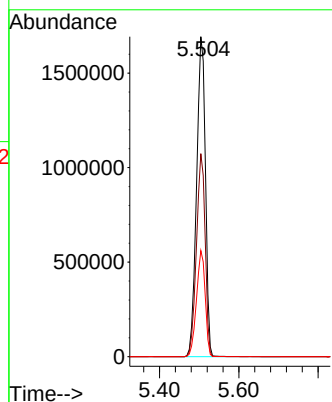
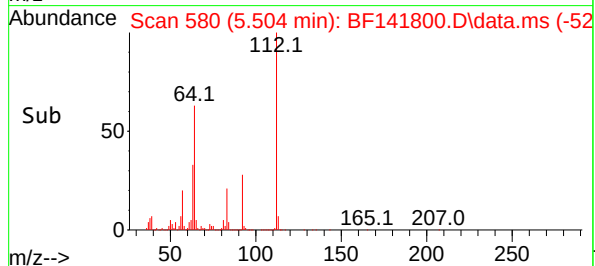
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 261244
Ion Ratio Lower Upper
112 100
64 63.5 51.3 76.9
63 33.1 26.2 39.4

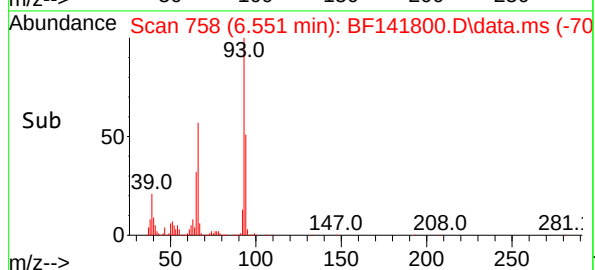
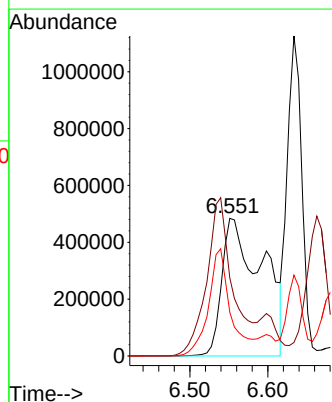
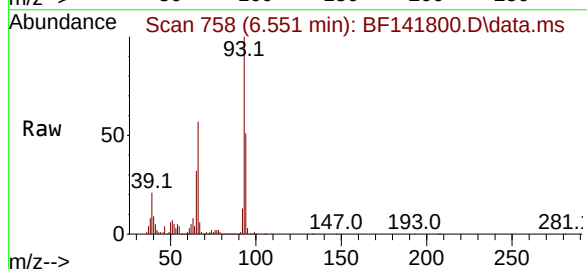
Manual Integrations
APPROVED

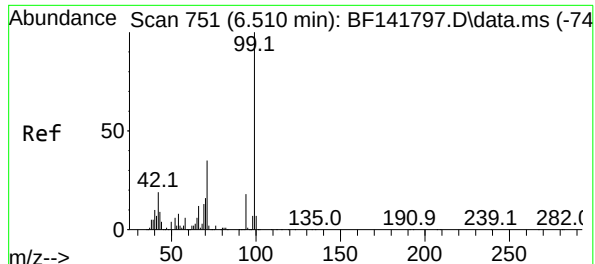
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#6
Aniline
Concen: 71.624 ng m
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

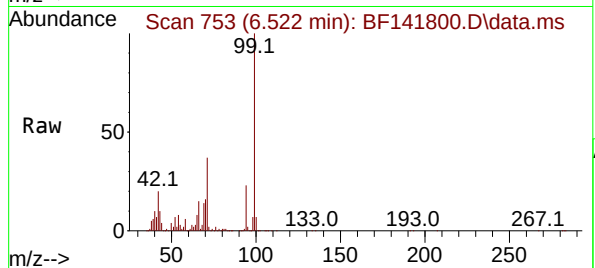
Tgt Ion: 93 Resp: 1743358
Ion Ratio Lower Upper
93 100
66 56.8 32.3 48.5#
65 31.8 15.9 23.9#





#7
Phenol-d6
Concen: 144.934 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

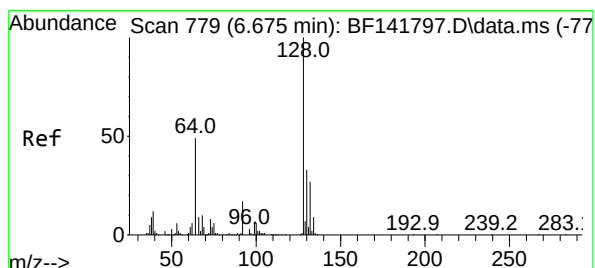
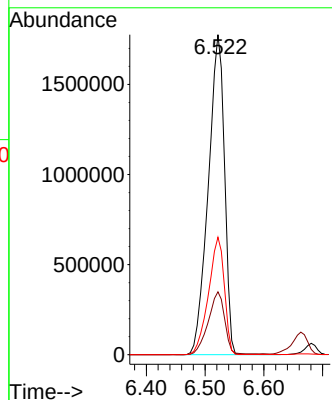
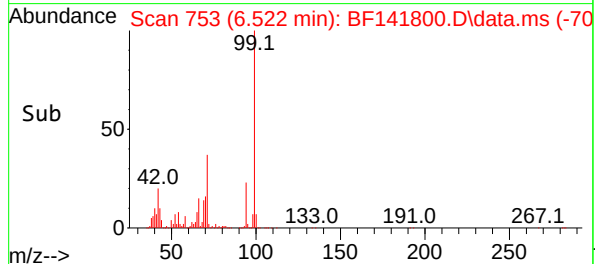
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



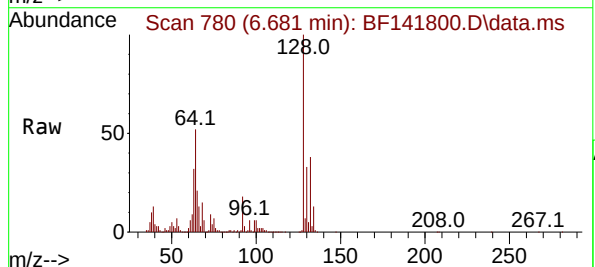
Tgt Ion: 99 Resp: 341177
Ion Ratio Lower Upper
99 100
42 19.7 15.2 22.8
71 36.7 28.2 42.2

Manual Integrations
APPROVED

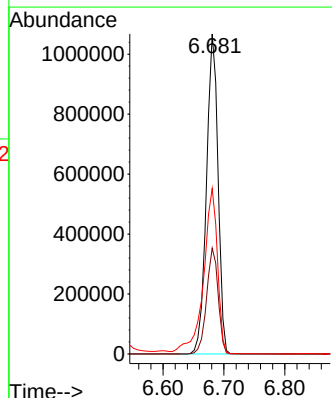
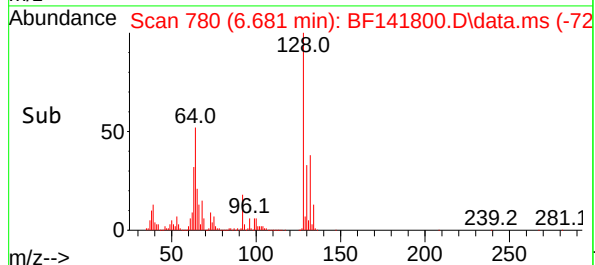
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

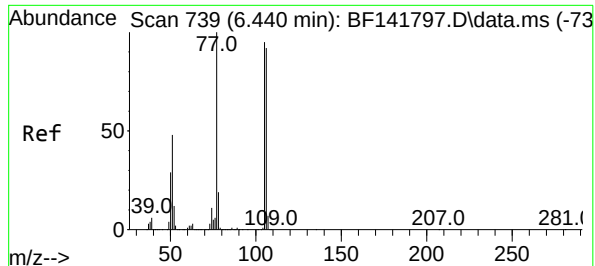


#8
2-Chlorophenol
Concen: 72.047 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



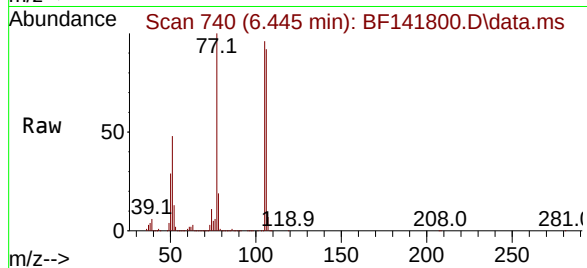
Tgt Ion:128 Resp: 1409554
Ion Ratio Lower Upper
128 100
130 33.1 12.6 52.6
64 51.7 31.1 71.1





#9
Benzaldehyde
Concen: 58.556 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

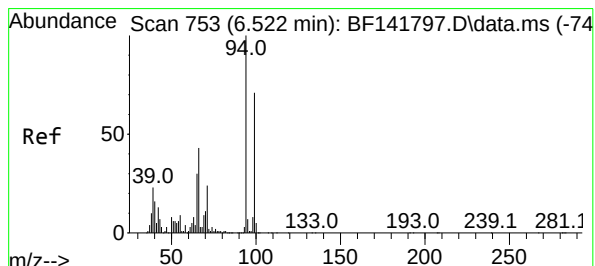
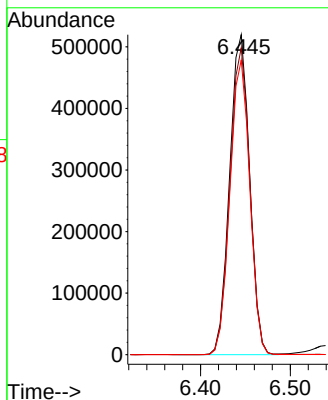
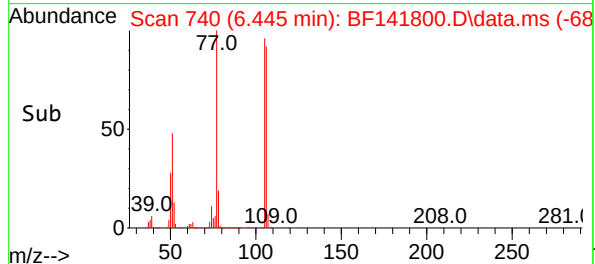
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 801799
Ion Ratio Lower Upper
77 100
105 95.9 75.3 115.3
106 92.1 72.3 112.3

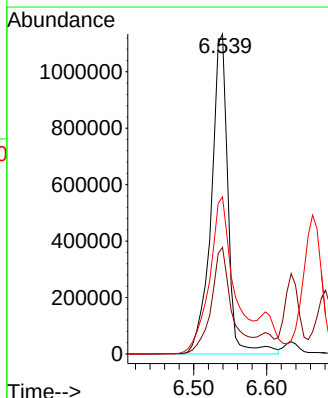
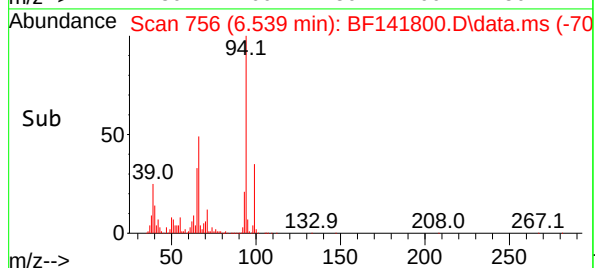
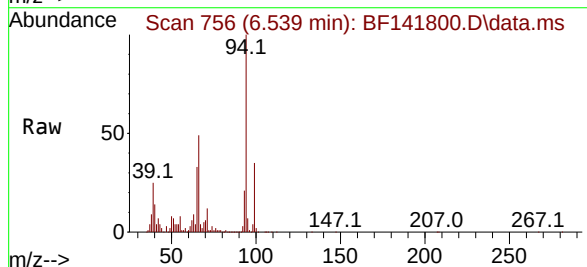
Manual Integrations
APPROVED

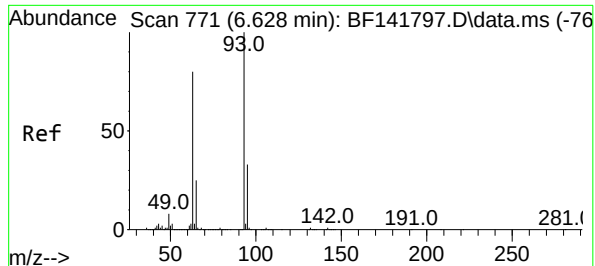
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#10
Phenol
Concen: 72.063 ng m
RT: 6.539 min Scan# 756
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

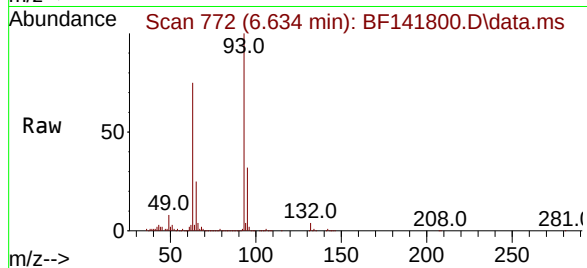
Tgt Ion: 94 Resp: 1807328
Ion Ratio Lower Upper
94 100
65 33.3 10.2 50.2
66 49.1 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 76.240 ng
RT: 6.634 min Scan# 771
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

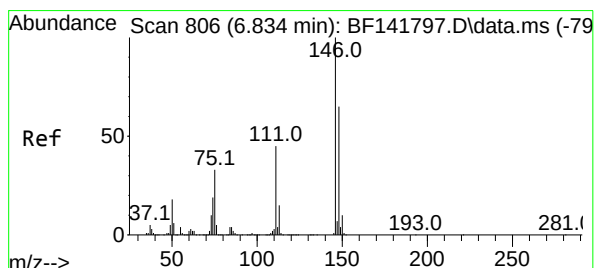
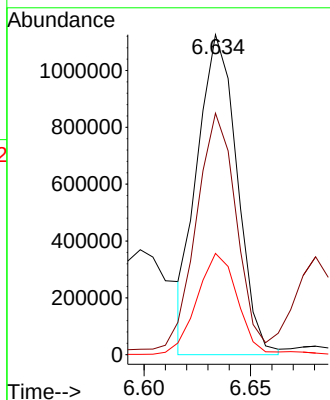
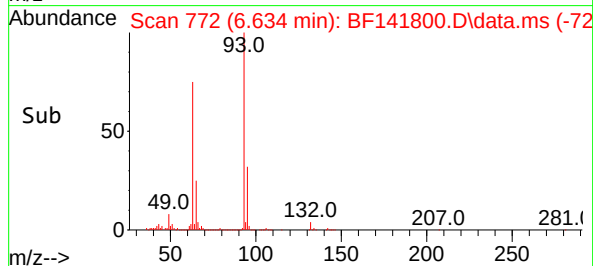
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 93 Resp: 146186
Ion Ratio Lower Upper
93 100
63 75.5 59.3 99.3
95 31.7 13.2 53.2

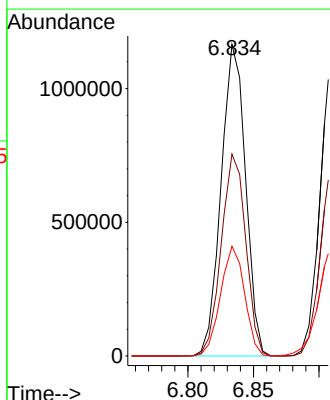
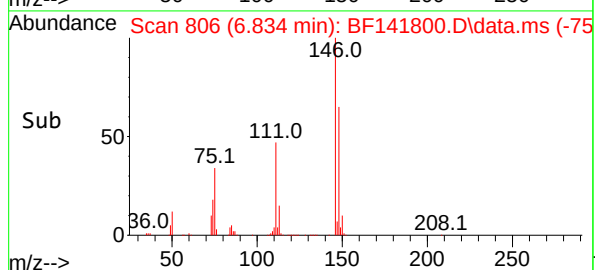
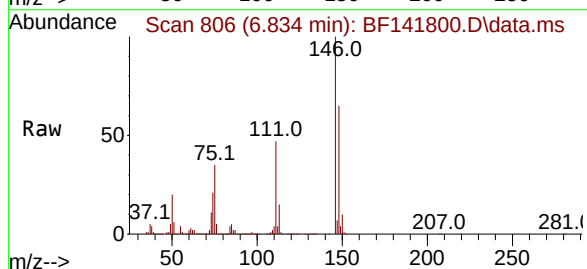
Manual Integrations
APPROVED

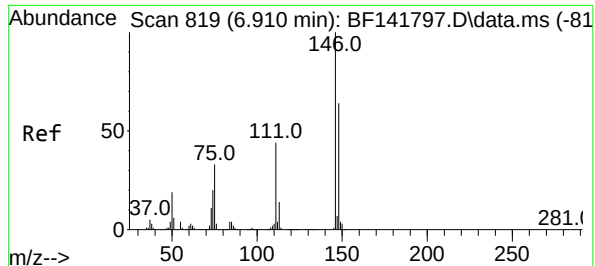
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#12
1,3-Dichlorobenzene
Concen: 72.103 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 1510694
Ion Ratio Lower Upper
146 100
148 64.8 51.8 77.6
75 35.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 72.097 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 152204

Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

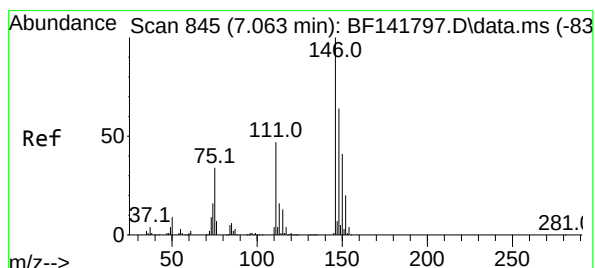
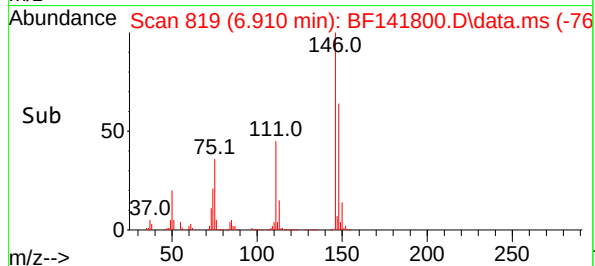
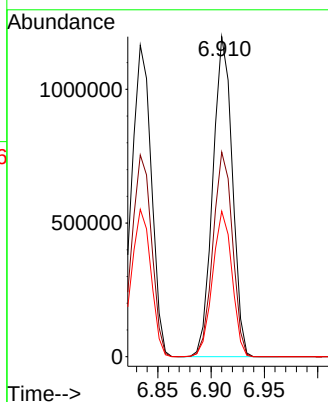
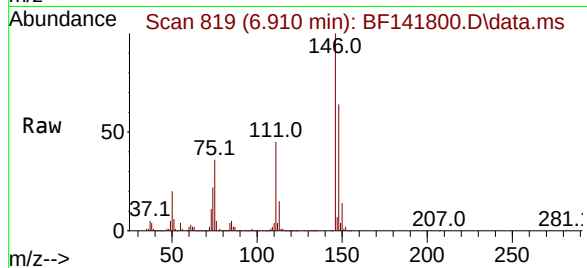
111 45.5 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 69.519 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

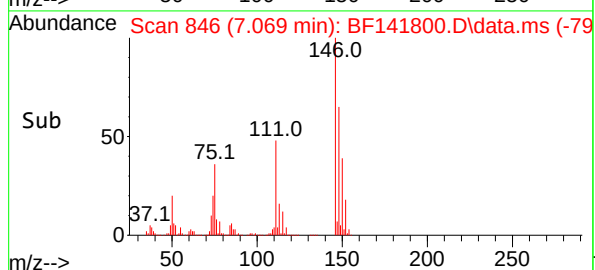
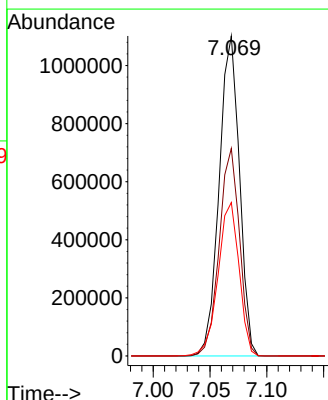
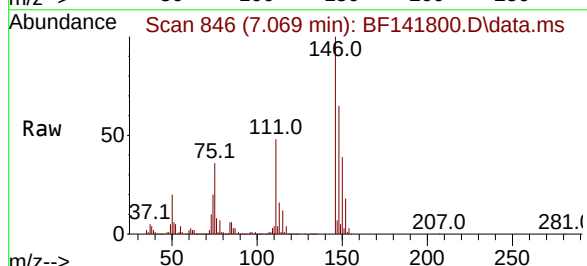
Tgt Ion:146 Resp: 1370457

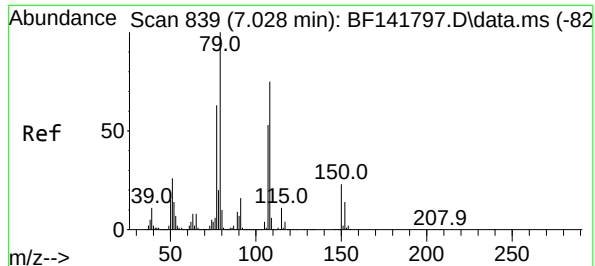
Ion Ratio Lower Upper

146 100

148 64.9 51.2 76.8

111 48.0 37.8 56.6





#15

Benzyl Alcohol

Concen: 72.454 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 136309

Ion Ratio Lower Upper

79 100

108 73.9 60.2 90.2

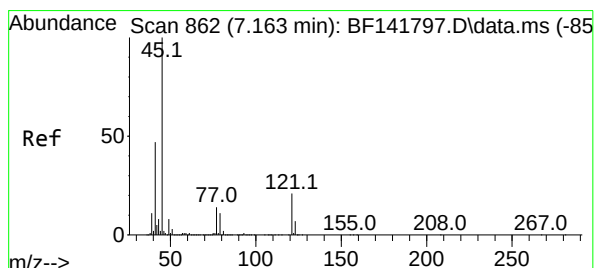
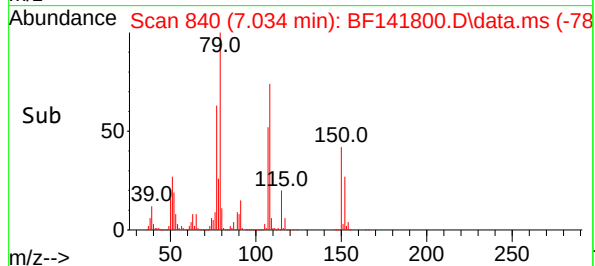
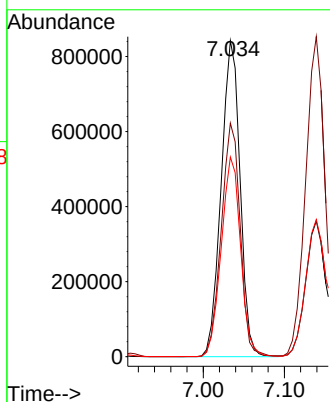
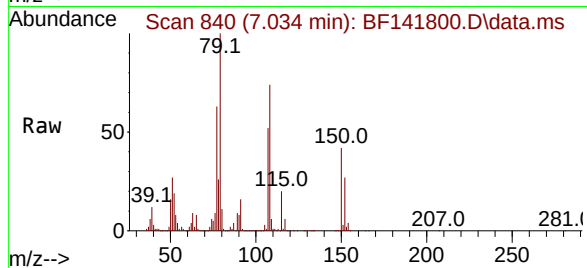
77 63.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 71.973 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

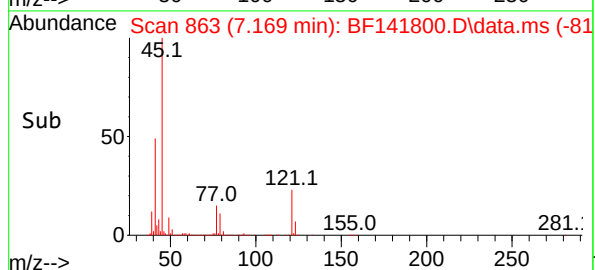
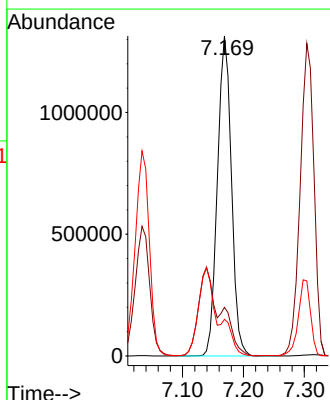
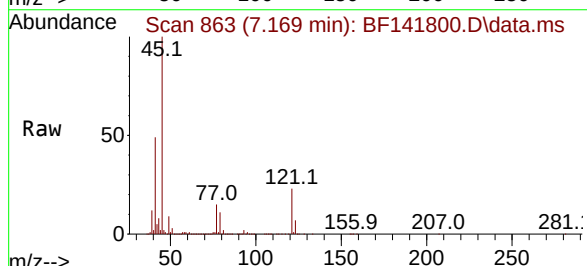
Tgt Ion: 45 Resp: 2095843

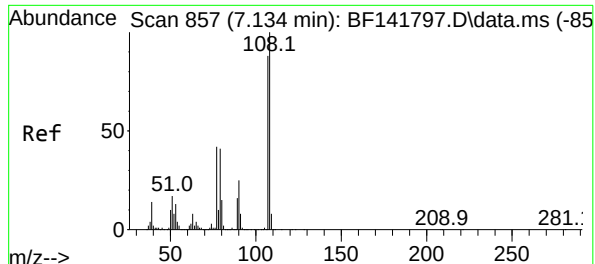
Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.4

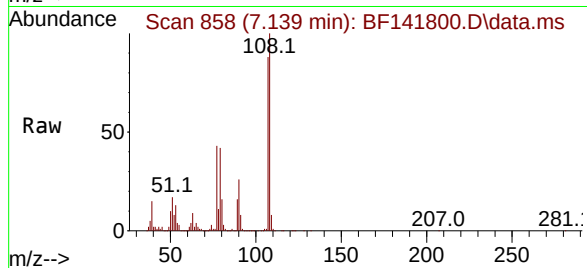
79 11.5 0.0 30.9





#17
2-Methylphenol
Concen: 75.016 ng
RT: 7.139 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

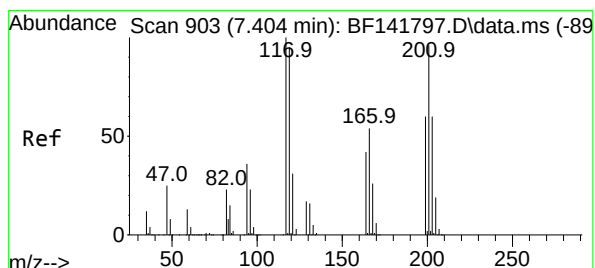
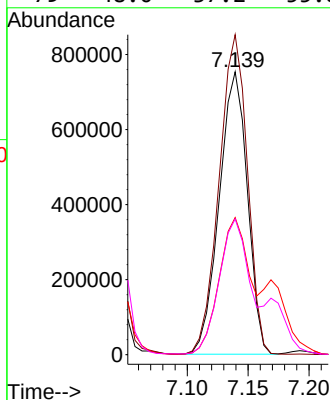
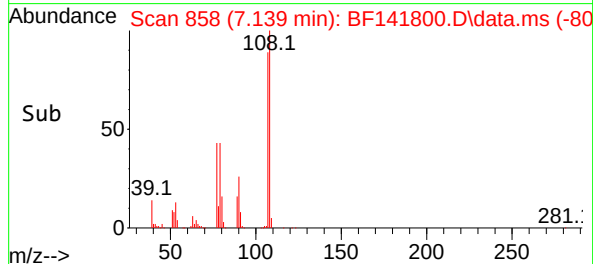
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 121143
Ion Ratio Lower Upper
107 100
108 113.1 90.6 135.8
77 48.5 37.7 56.5
79 48.0 37.2 55.8

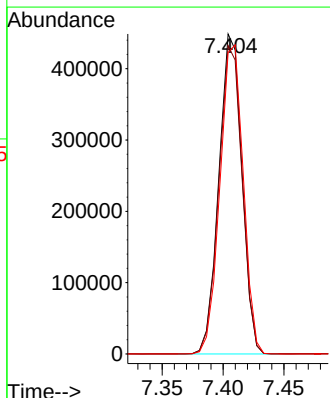
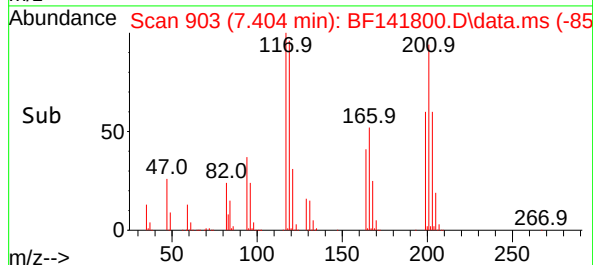
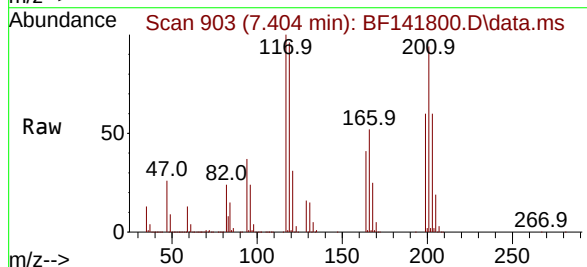
Manual Integrations
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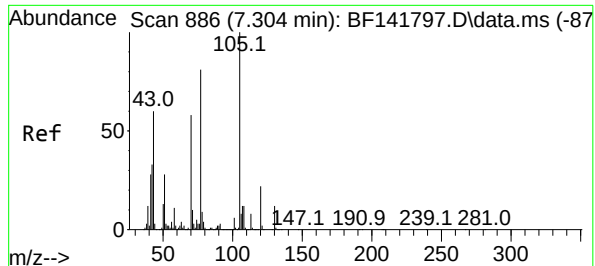
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#18
Hexachloroethane
Concen: 75.056 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:117 Resp: 593057
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8
201 94.2 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 72.793 ng

RT: 7.322 min Scan# 889

Delta R.T. 0.017 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 112642

Ion Ratio Lower Upper

70 100

42 55.3 45.4 68.0

101 9.8 7.8 11.8

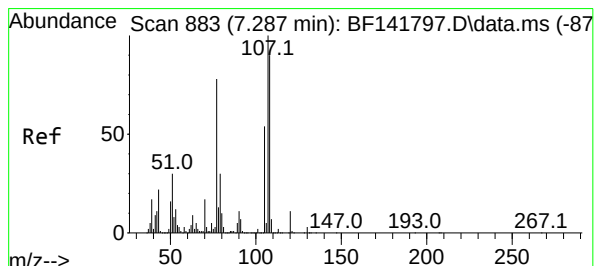
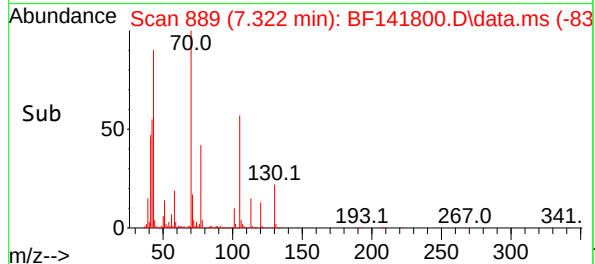
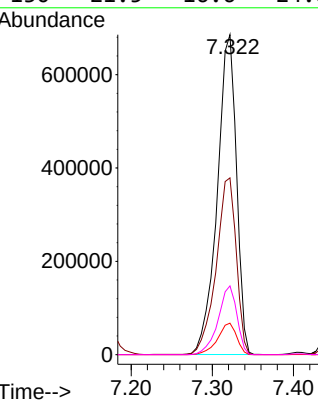
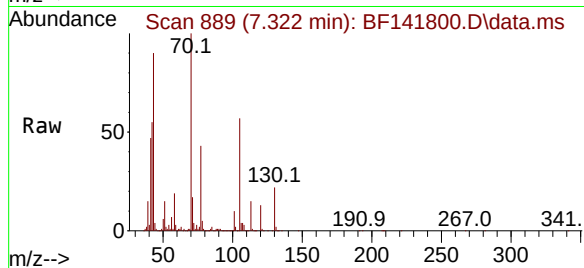
130 21.5 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

Concen: 68.816 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.012 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 1383814

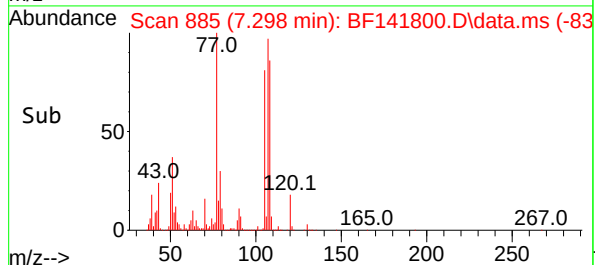
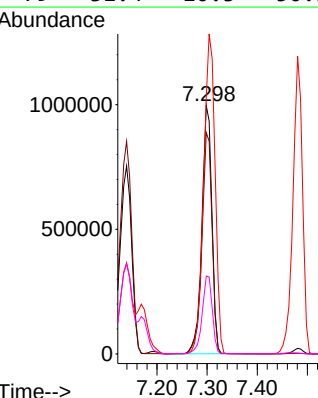
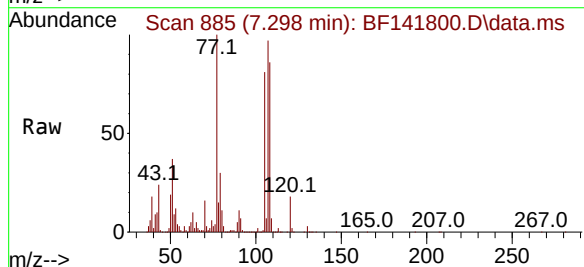
Ion Ratio Lower Upper

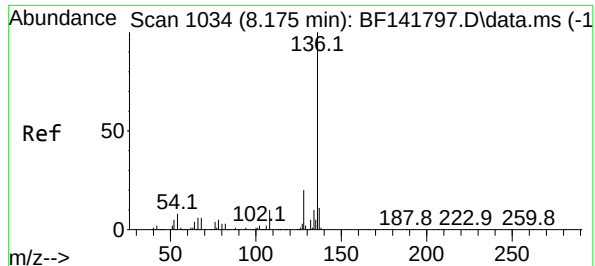
107 100

108 89.1 69.7 109.7

77 103.3 58.3 98.3#

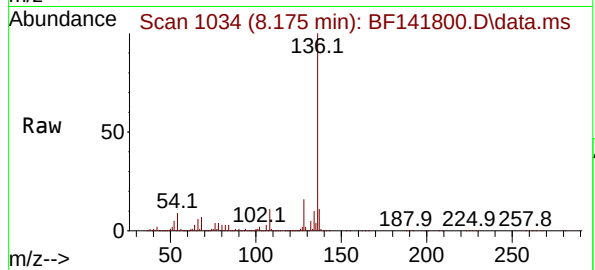
79 31.4 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

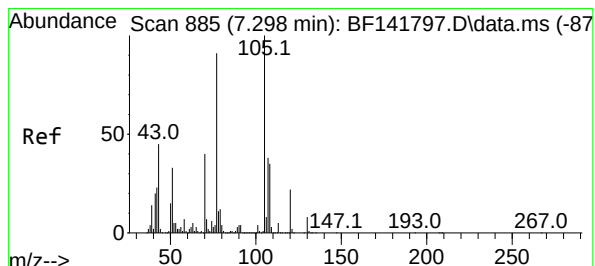
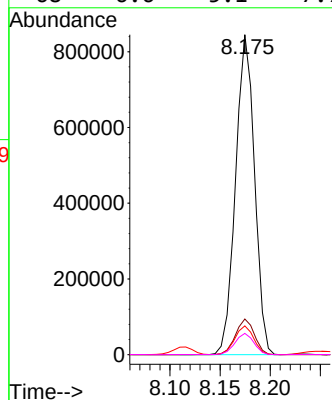
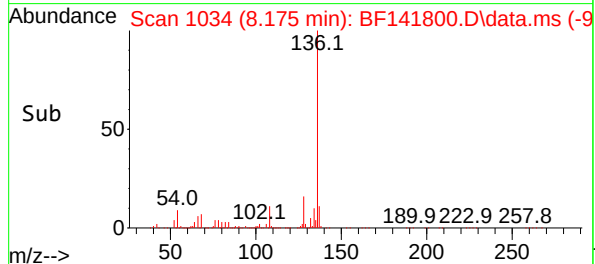
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 1114934
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.0 6.9 10.3
68 6.6 5.1 7.7

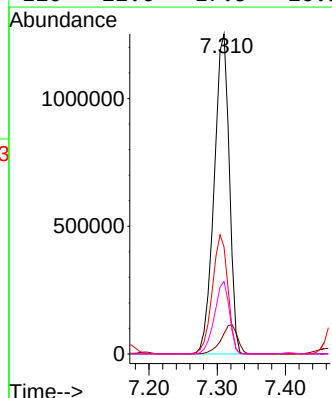
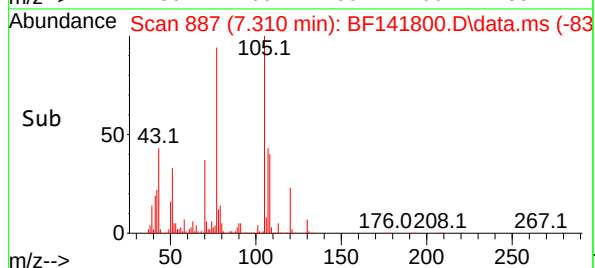
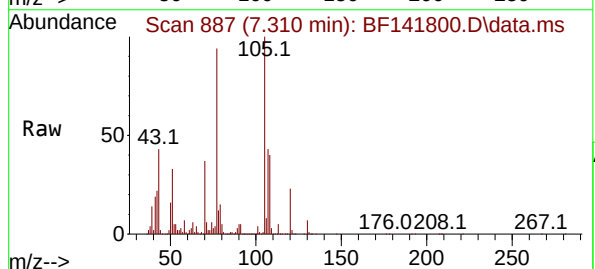
Manual Integrations
APPROVED

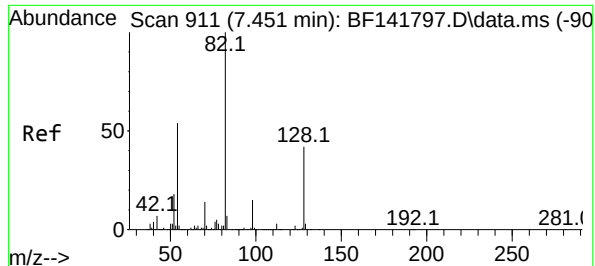
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#22
Acetophenone
Concen: 71.209 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:105 Resp: 1933636
Ion Ratio Lower Upper
105 100
71 6.3 5.4 8.0
51 33.4 26.1 39.1
120 22.6 17.5 26.3





#23

Nitrobenzene-d5

Concen: 173.576 ng

RT: 7.463 min Scan# 911

Delta R.T. 0.011 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 3027619

Ion Ratio Lower Upper

82 100

128 44.0 33.5 50.3

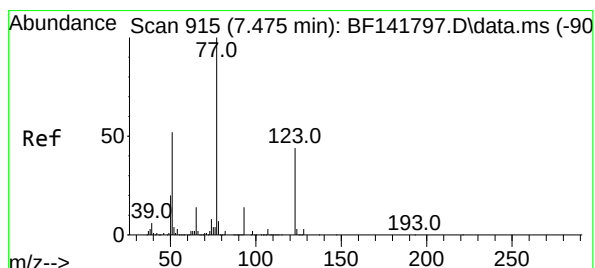
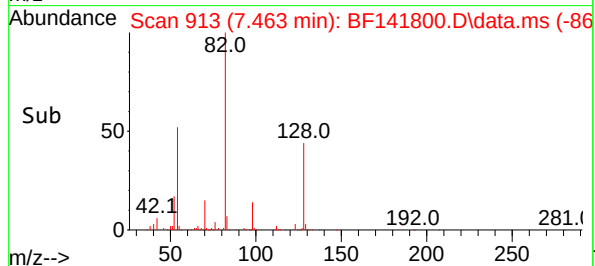
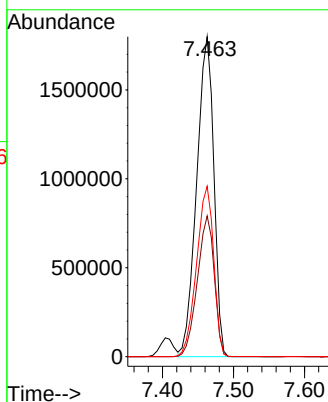
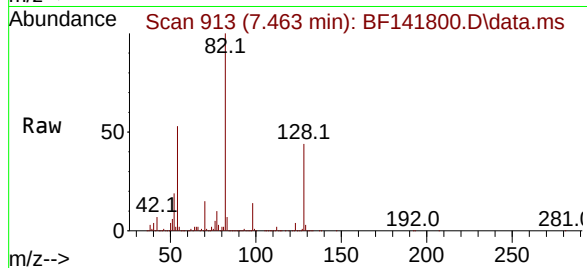
54 53.3 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 84.587 ng

RT: 7.481 min Scan# 916

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

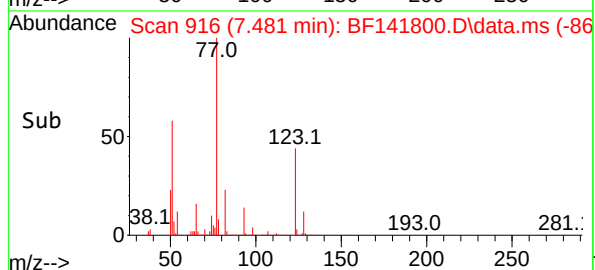
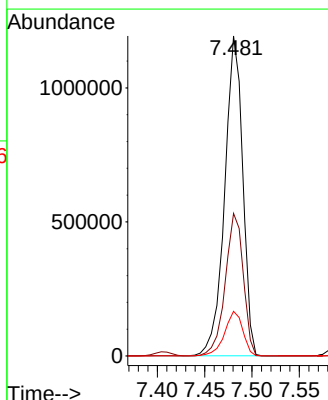
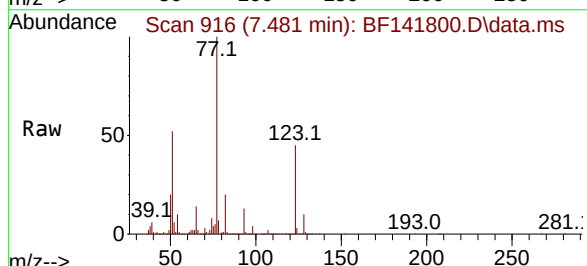
Tgt Ion: 77 Resp: 1579955

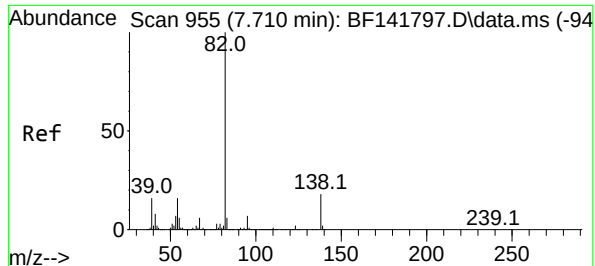
Ion Ratio Lower Upper

77 100

123 44.5 35.8 53.8

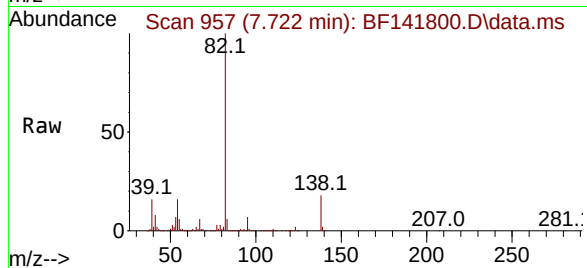
65 14.0 11.2 16.8





#25
Isophorone
Concen: 77.230 ng
RT: 7.722 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

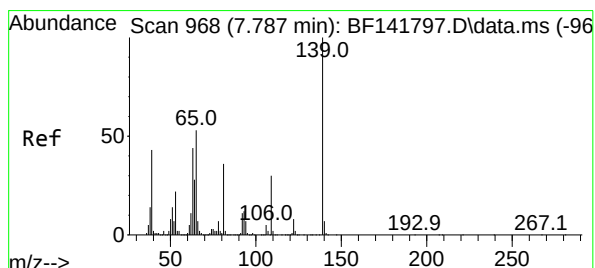
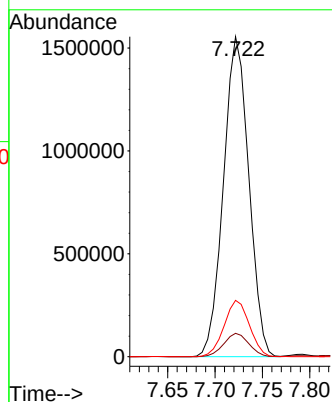
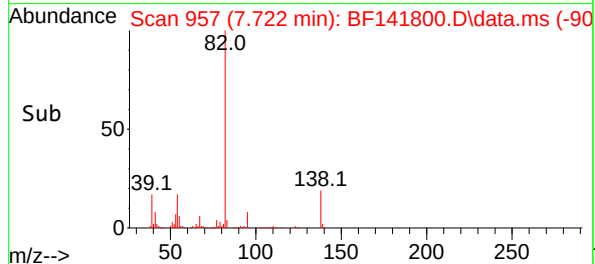
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 289404
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 17.6 14.0 21.0

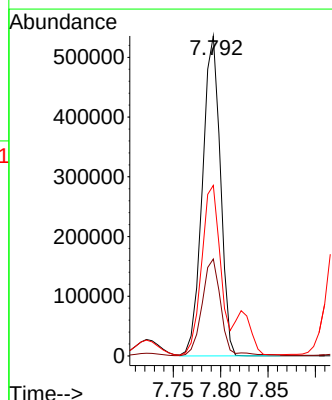
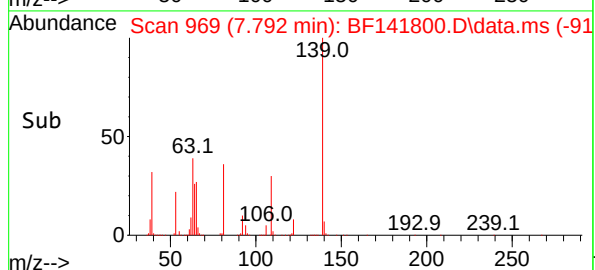
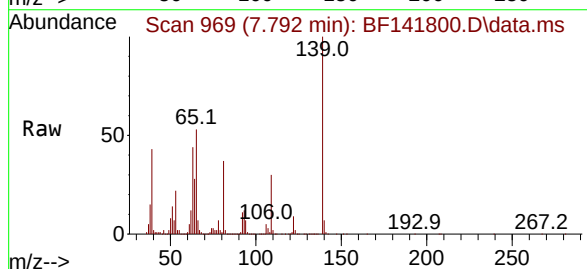
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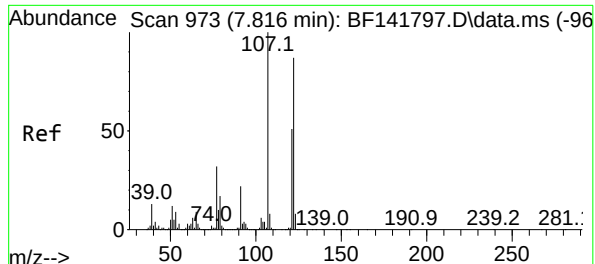
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#26
2-Nitrophenol
Concen: 81.046 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.005 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:139 Resp: 705125
Ion Ratio Lower Upper
139 100
109 30.3 24.1 36.1
65 53.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 76.304 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 1051070

Ion Ratio Lower Upper

122 100

107 117.2 92.5 138.7

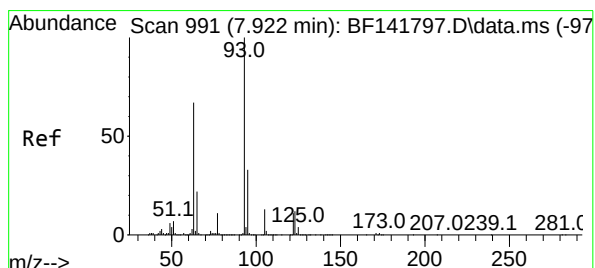
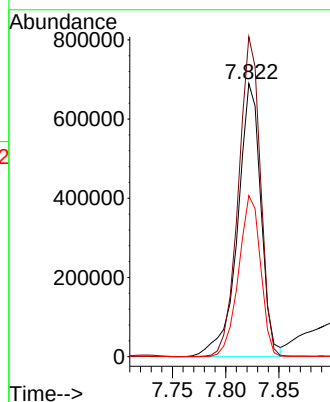
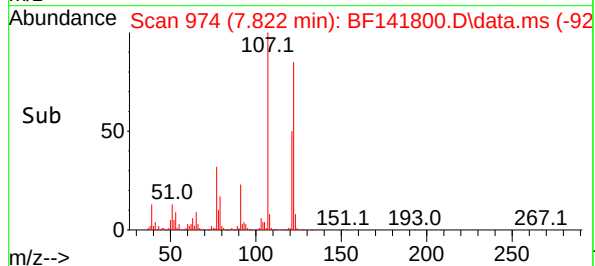
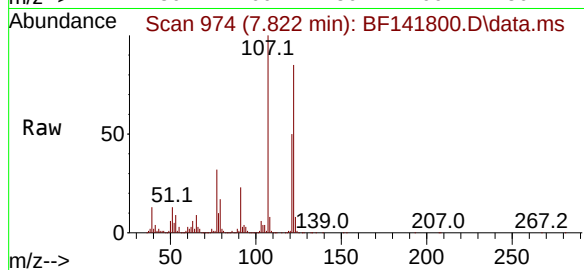
121 59.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 73.596 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

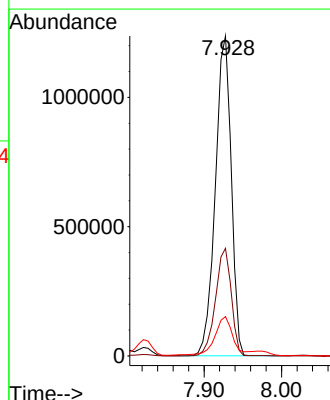
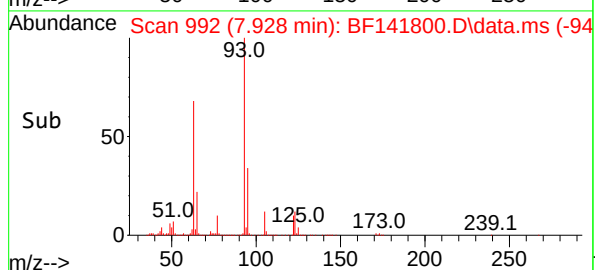
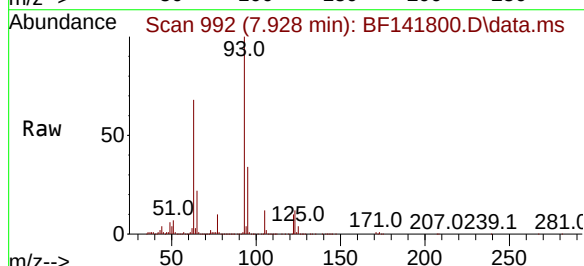
Tgt Ion: 93 Resp: 1759255

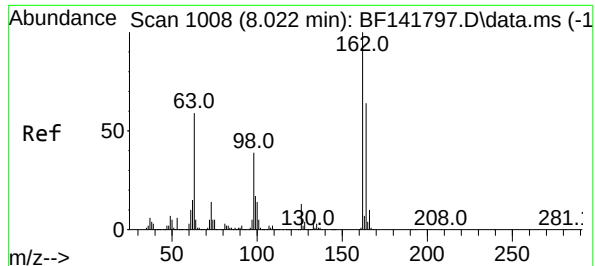
Ion Ratio Lower Upper

93 100

95 33.7 26.5 39.7

123 12.3 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 77.239 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 1227409

Ion Ratio Lower Upper

162 100

164 64.4 44.3 84.3

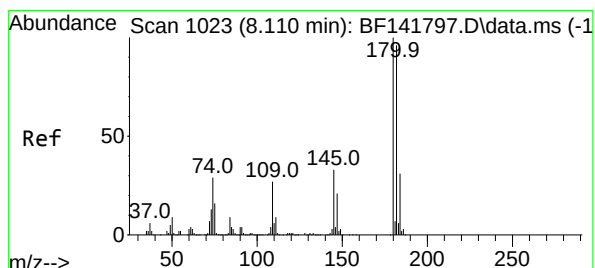
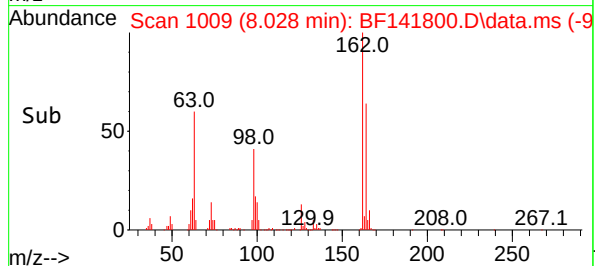
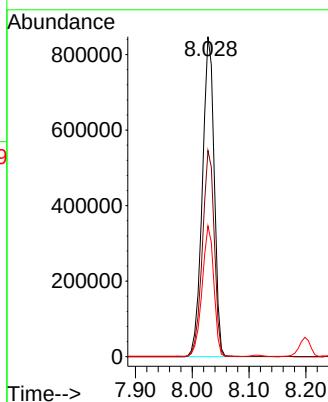
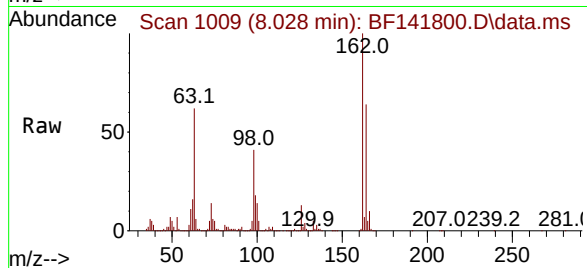
98 40.8 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 74.888 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

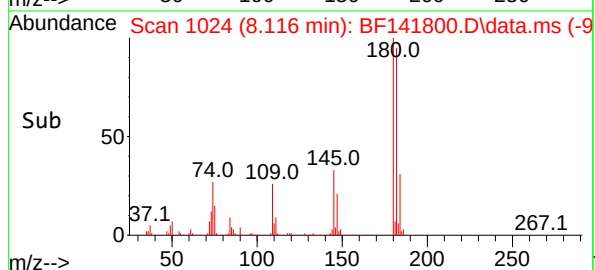
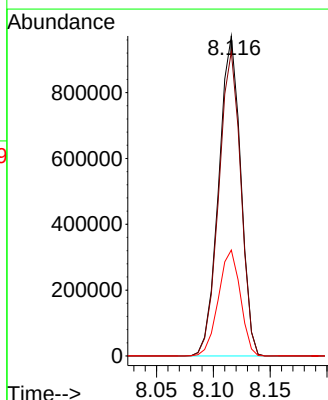
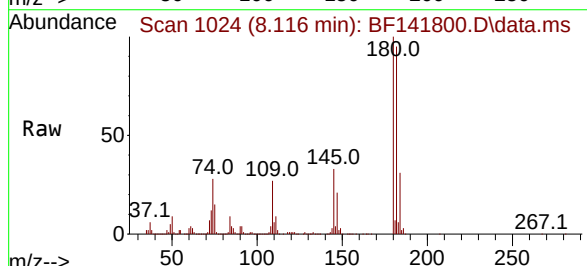
Tgt Ion:180 Resp: 1304033

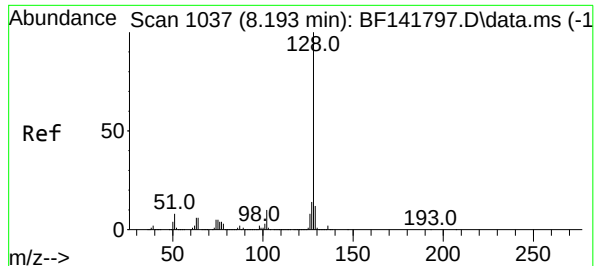
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

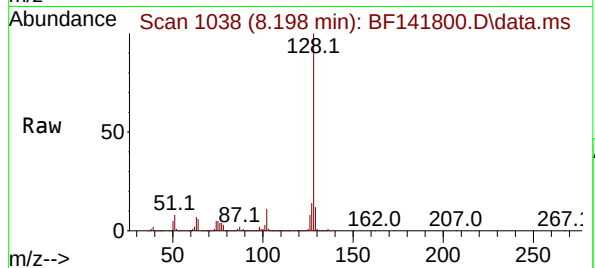
145 33.1 26.4 39.6





#31
Naphthalene
Concen: 70.504 ng
RT: 8.198 min Scan# 1038
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

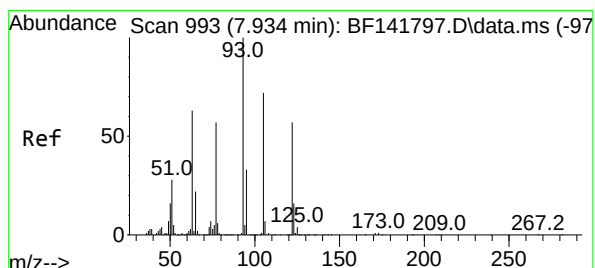
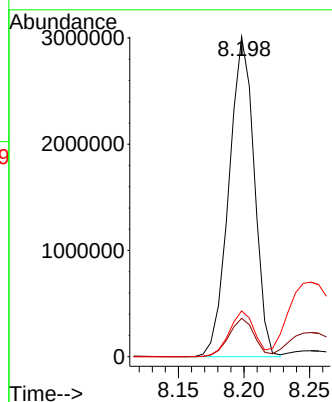
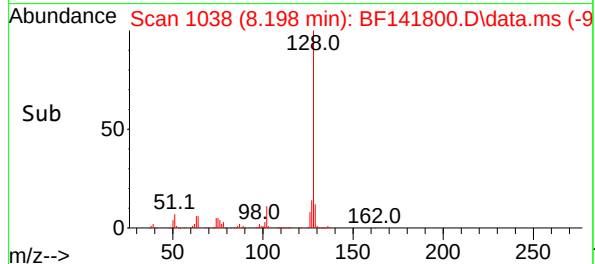
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 4040110
Ion Ratio Lower Upper
128 100
129 12.0 9.2 13.8
127 14.3 11.0 16.4

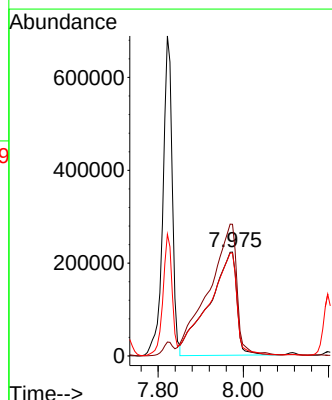
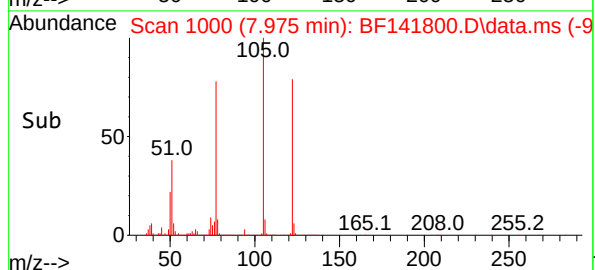
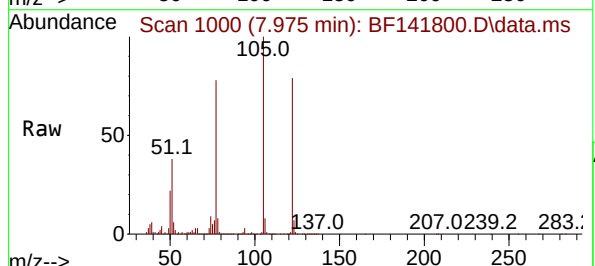
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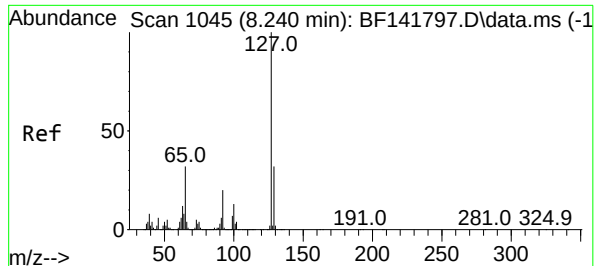
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#32
Benzoic acid
Concen: 81.363 ng
RT: 7.975 min Scan# 1000
Delta R.T. 0.041 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

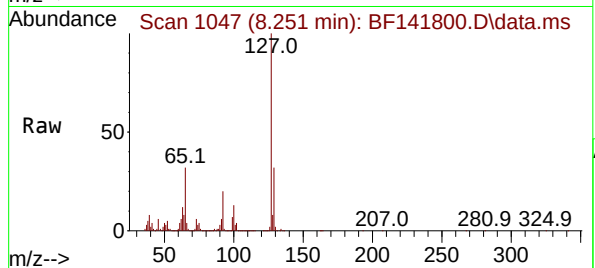
Tgt Ion:122 Resp: 1008619
Ion Ratio Lower Upper
122 100
105 126.8 105.8 145.8
77 99.0 79.9 119.9





#33
4-Chloroaniline
Concen: 76.489 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

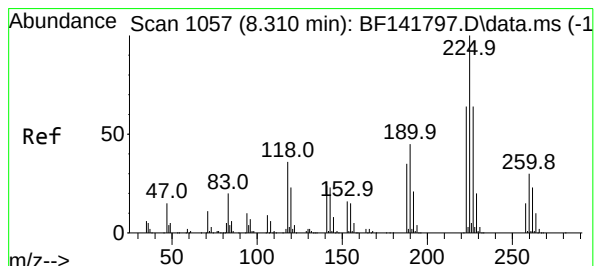
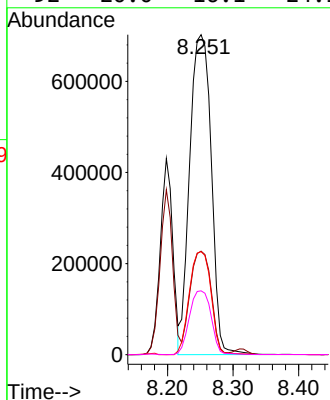
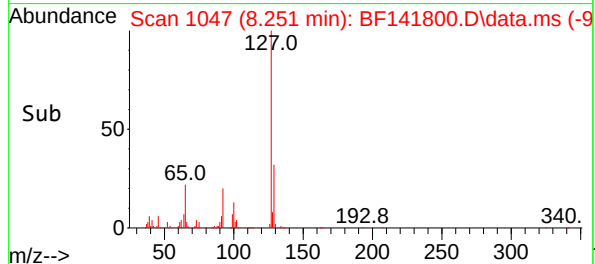
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:127 Resp: 1607098
Ion Ratio Lower Upper
127 100
129 32.3 26.1 39.1
65 32.2 25.7 38.5
92 20.0 16.1 24.1

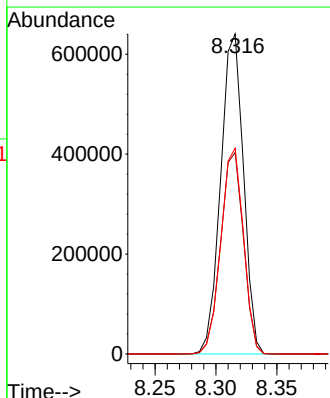
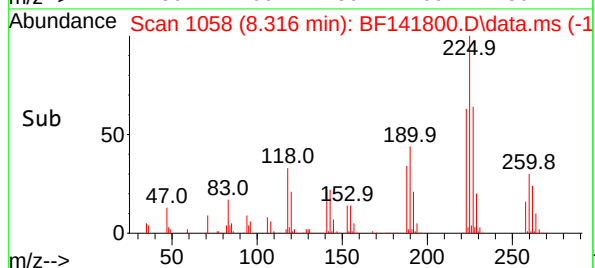
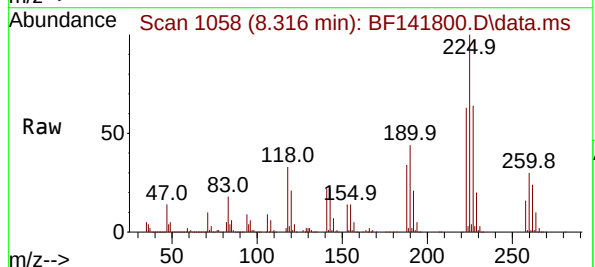
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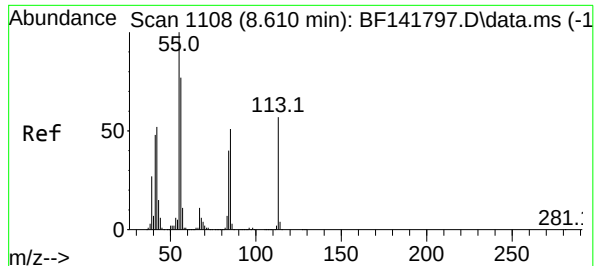
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#34
Hexachlorobutadiene
Concen: 77.265 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

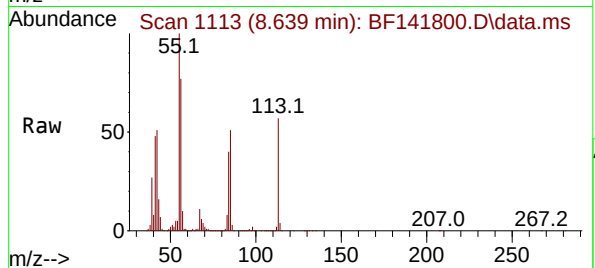
Tgt Ion:225 Resp: 836069
Ion Ratio Lower Upper
225 100
223 63.0 51.4 77.2
227 64.3 51.6 77.4





#35
 Caprolactam
 Concen: 78.359 ng
 RT: 8.639 min Scan# 1113
 Delta R.T. 0.029 min
 Lab File: BF141800.D
 Acq: 27 Feb 2025 18:45

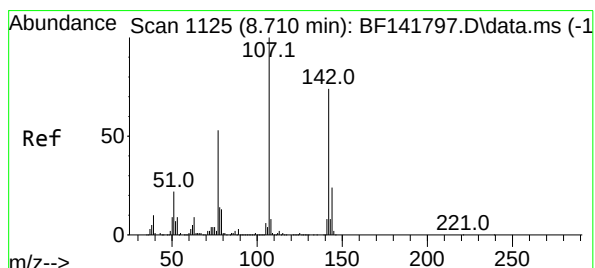
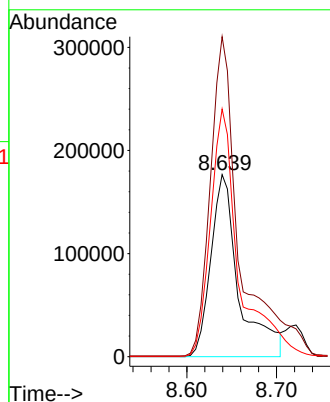
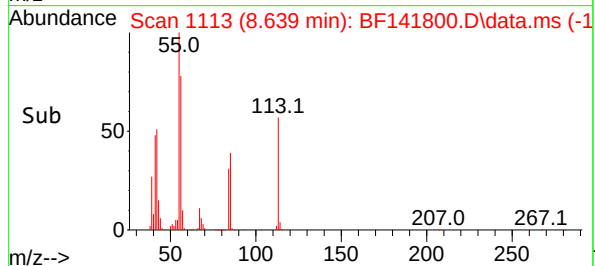
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080



Tgt Ion:113 Resp: 383149
 Ion Ratio Lower Upper
 113 100
 55 175.7 155.6 195.6
 56 136.0 114.6 154.6

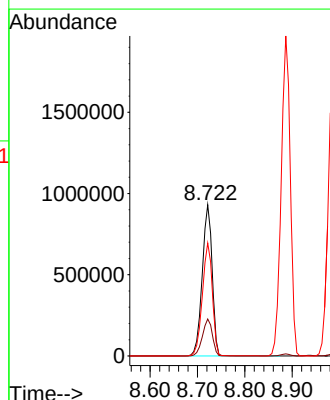
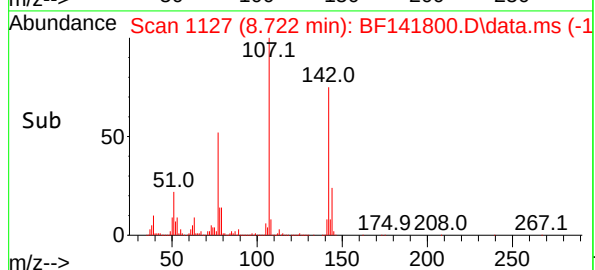
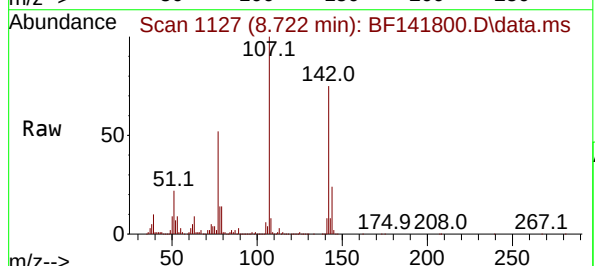
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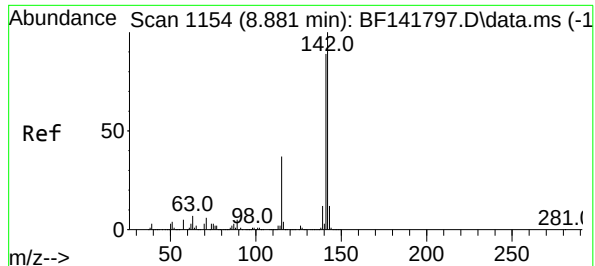
Reviewed By :Yogesh Patel 02/28/2025
 Supervised By :mohammad ahmed 02/28/2025



#36
 4-Chloro-3-methylphenol
 Concen: 76.431 ng
 RT: 8.722 min Scan# 1127
 Delta R.T. 0.012 min
 Lab File: BF141800.D
 Acq: 27 Feb 2025 18:45

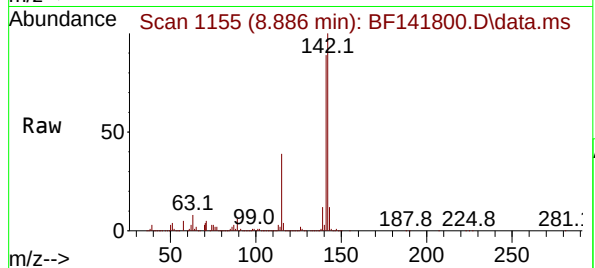
Tgt Ion:107 Resp: 1349234
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.4 29.0
 142 74.7 59.4 89.0





#37
2-Methylnaphthalene
Concen: 70.167 ng
RT: 8.886 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

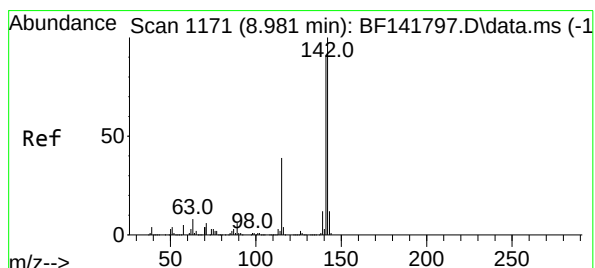
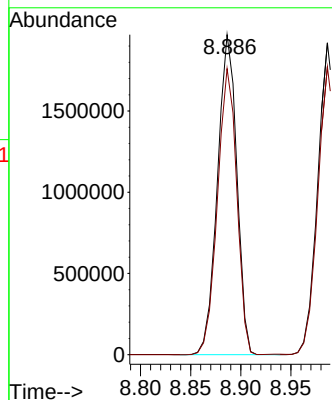
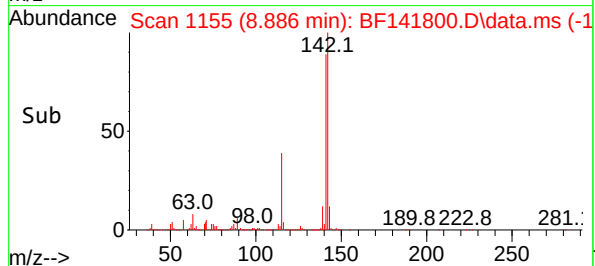
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:142 Resp: 2637302
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7

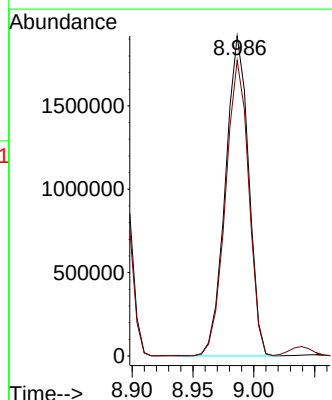
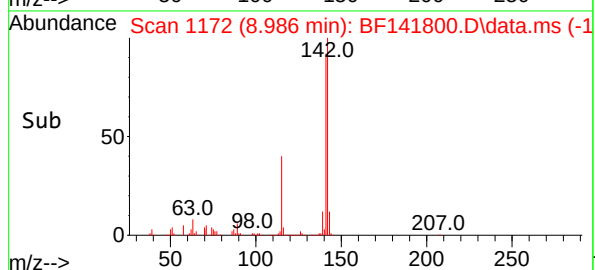
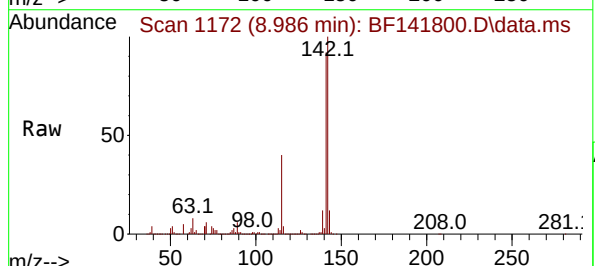
Manual Integrations
APPROVED

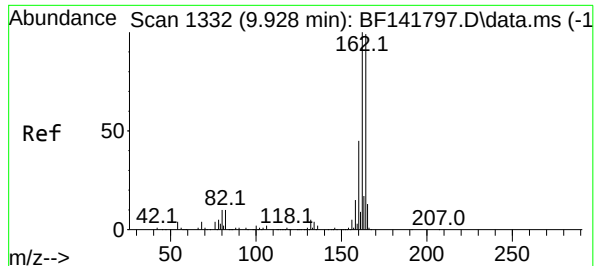
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#38
1-Methylnaphthalene
Concen: 70.457 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 2541019
Ion Ratio Lower Upper
142 100
141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:164 Resp: 596680

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

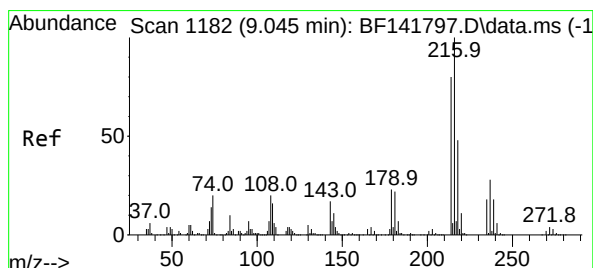
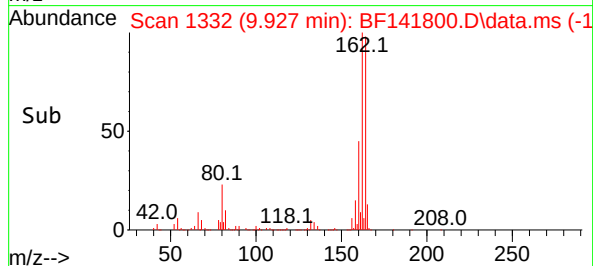
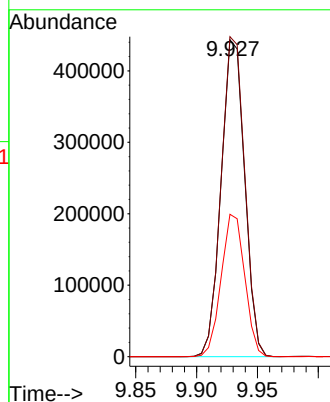
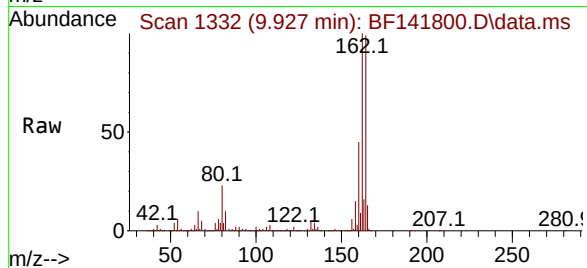
160 44.9 36.3 54.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 74.773 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Tgt Ion:216 Resp: 1288540

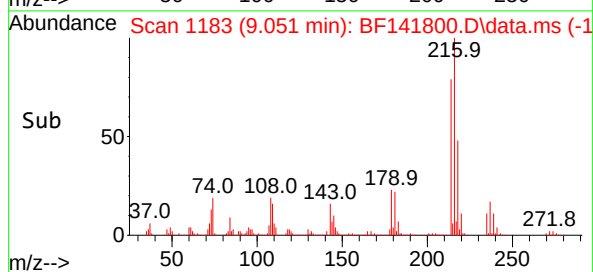
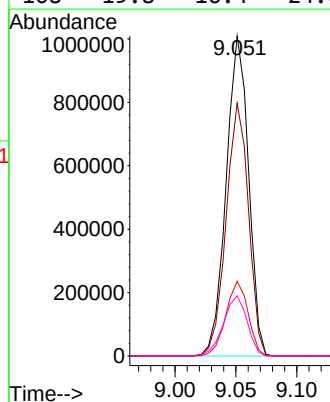
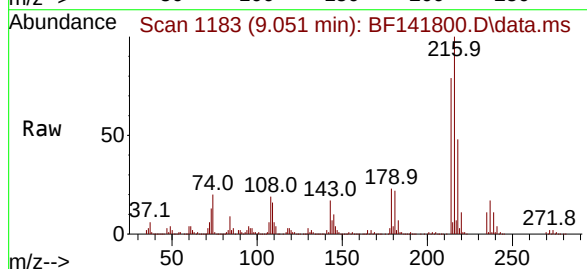
Ion Ratio Lower Upper

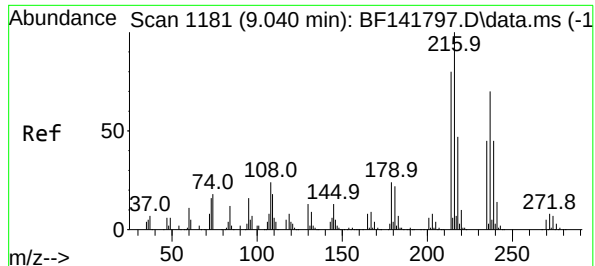
216 100

214 78.9 63.5 95.3

179 23.2 18.1 27.1

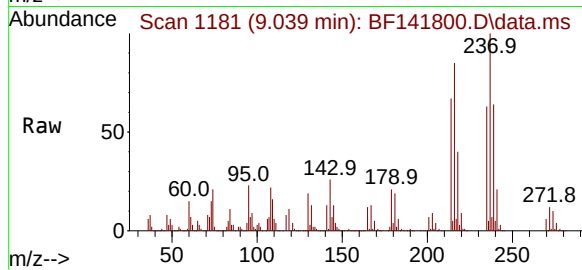
108 19.8 16.4 24.6





#41
Hexachlorocyclopentadiene
Concen: 78.461 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

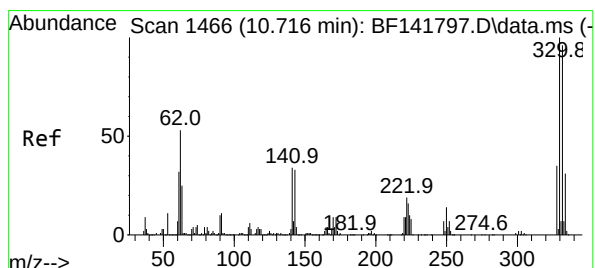
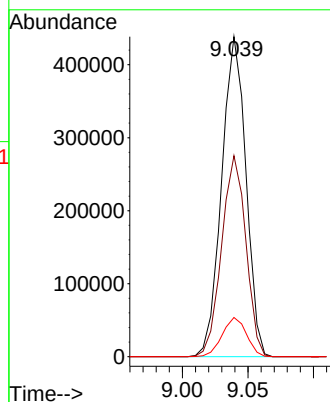
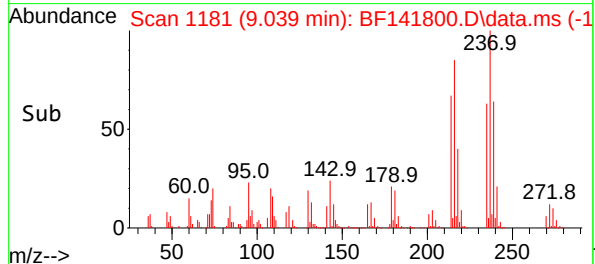
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



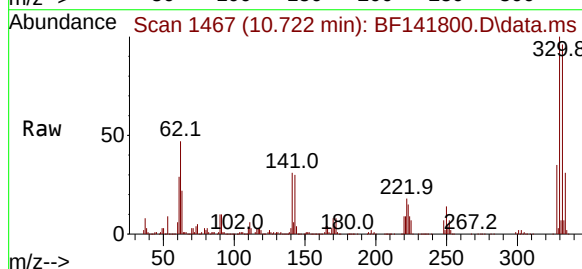
Tgt Ion:237 Resp: 564260
Ion Ratio Lower Upper
237 100
235 62.8 43.3 83.3
272 12.3 0.0 31.9

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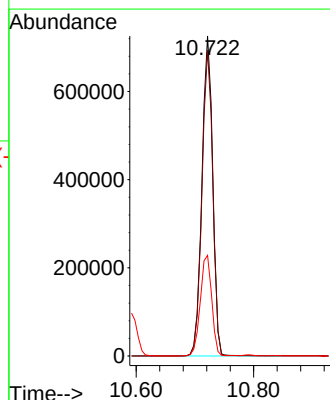
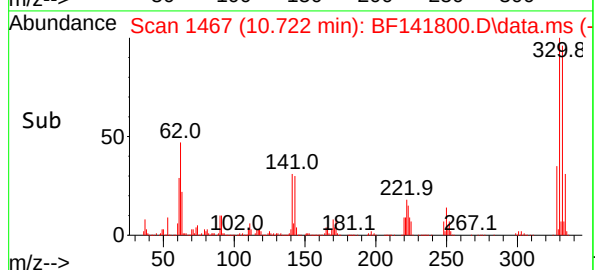
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

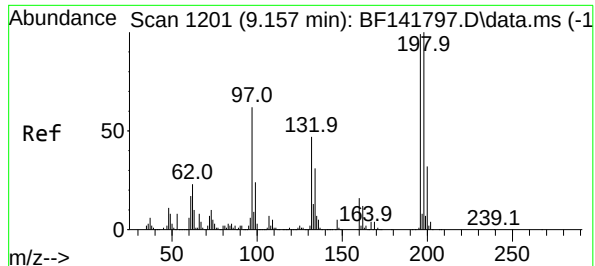


#42
2,4,6-Tribromophenol
Concen: 164.969 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



Tgt Ion:330 Resp: 924112
Ion Ratio Lower Upper
330 100
332 95.4 76.6 115.0
141 33.3 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 80.742 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141800.D

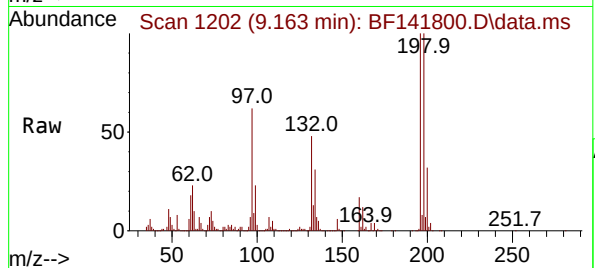
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 89879

Ion Ratio Lower Upper

196 100

198 99.7 80.4 120.6

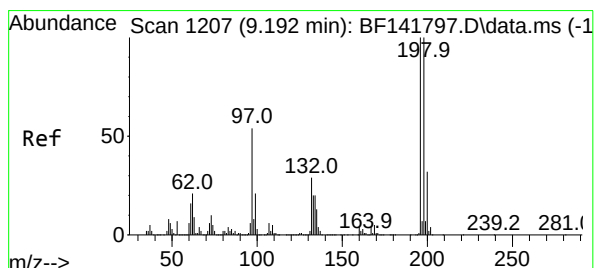
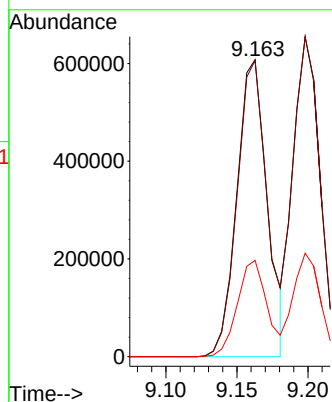
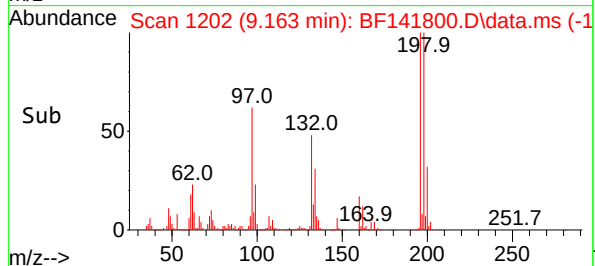
200 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

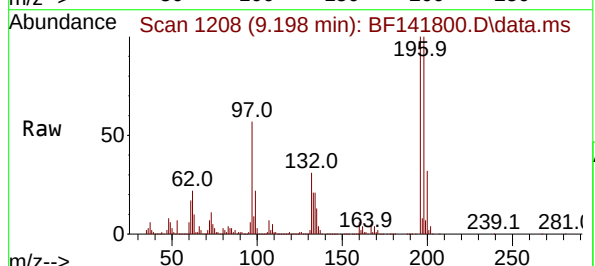
Concen: 77.984 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45



Tgt Ion:196 Resp: 859610

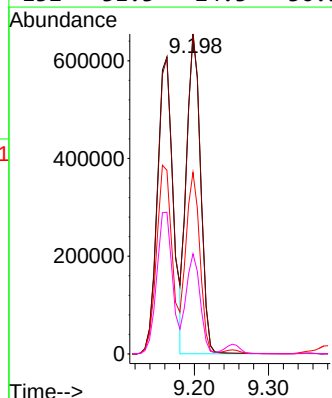
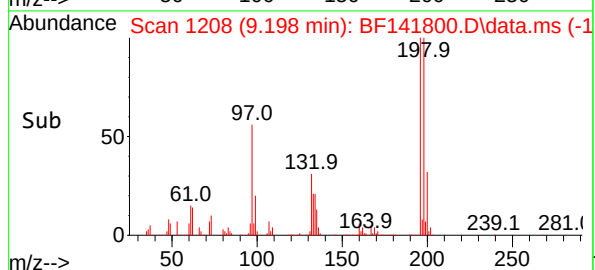
Ion Ratio Lower Upper

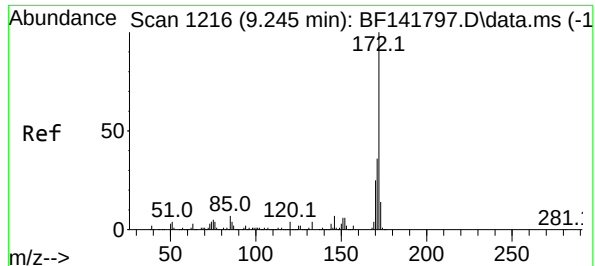
196 100

198 99.9 79.7 119.5

97 56.8 44.2 66.2

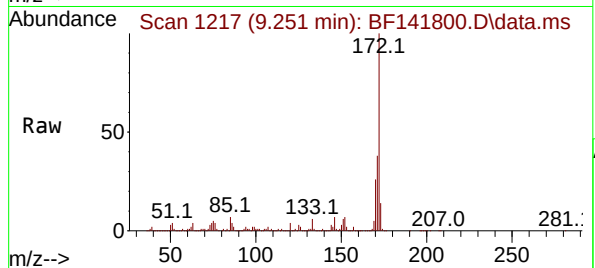
132 31.3 24.3 36.5





#45
2-Fluorobiphenyl
Concen: 134.541 ng
RT: 9.251 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

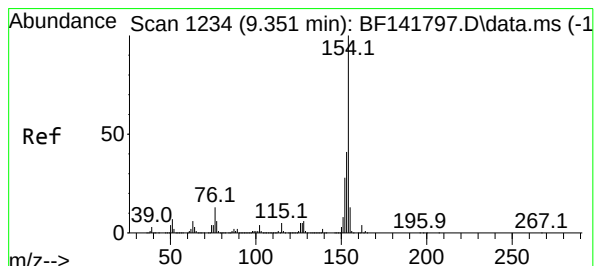
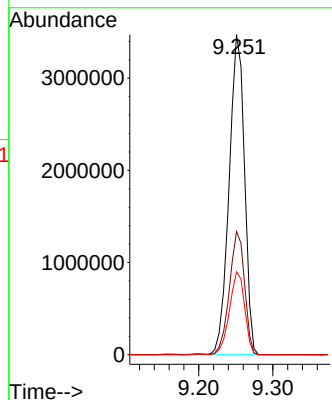
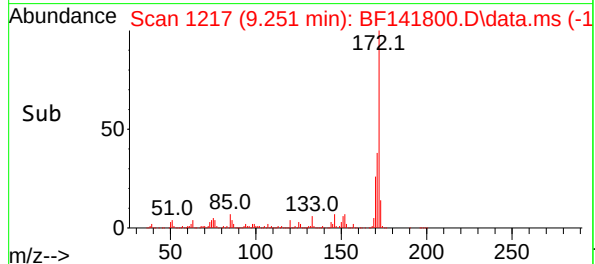
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:172 Resp: 5006600
Ion Ratio Lower Upper
172 100
171 38.5 29.2 43.8
170 25.9 19.7 29.5

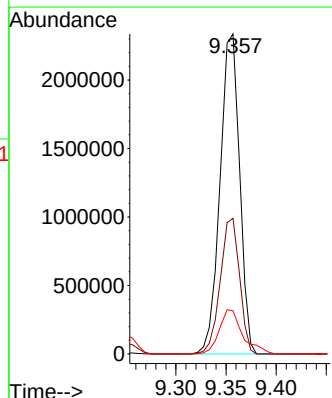
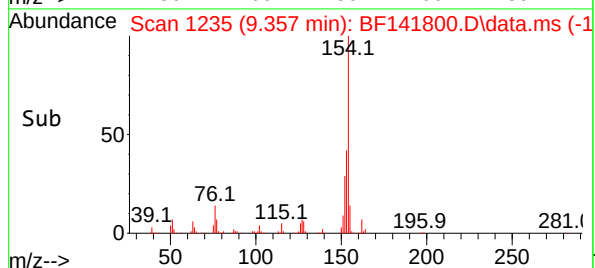
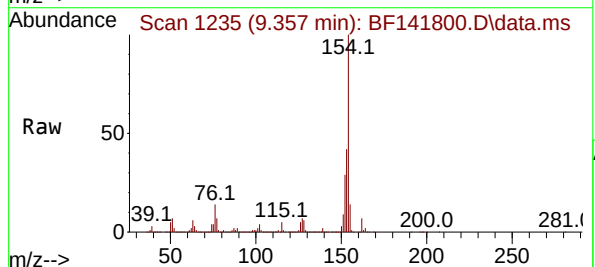
Manual Integrations
APPROVED

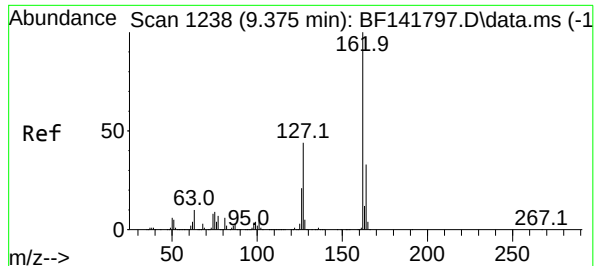
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#46
1,1'-Biphenyl
Concen: 69.499 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:154 Resp: 3156440
Ion Ratio Lower Upper
154 100
153 42.4 21.4 61.4
76 13.5 0.0 33.4





#47

2-Chloronaphthalene

Concen: 71.641 ng

RT: 9.380 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 240146

Ion Ratio Lower Upper

162 100

127 45.2 35.0 52.6

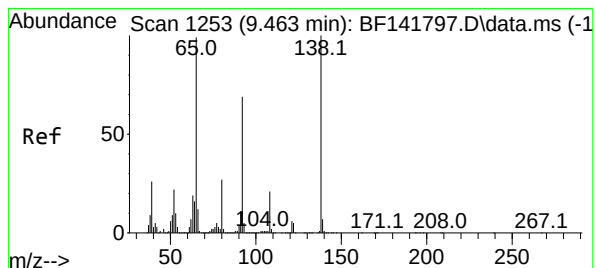
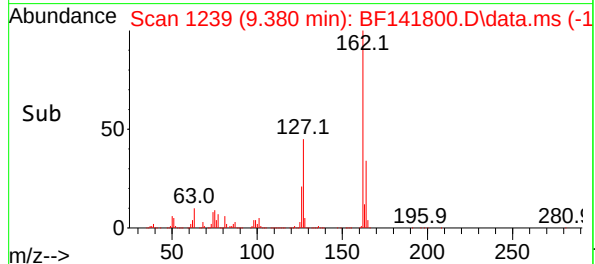
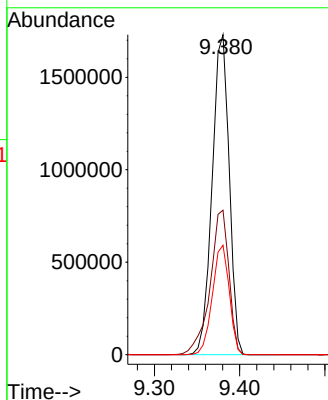
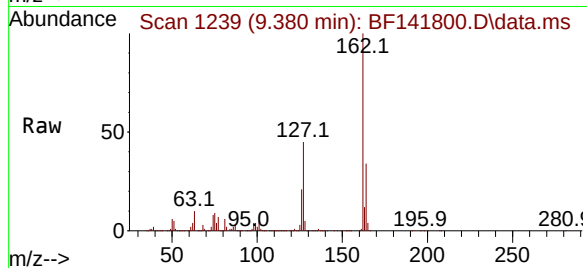
164 34.2 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#48

2-Nitroaniline

Concen: 80.727 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

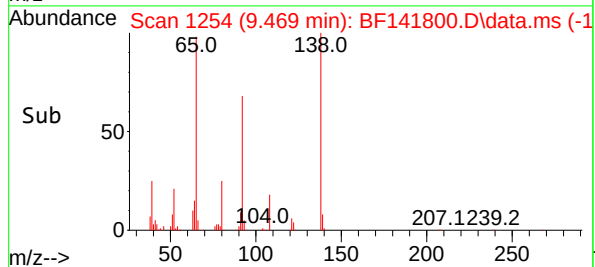
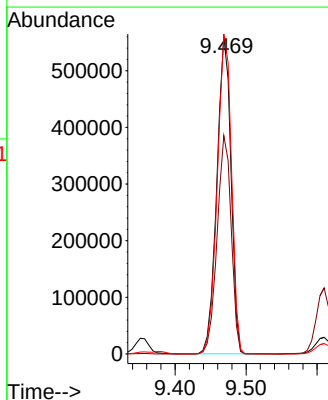
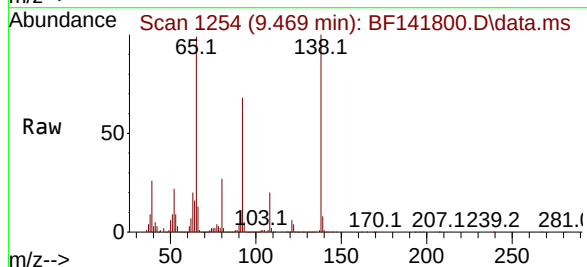
Tgt Ion: 65 Resp: 770567

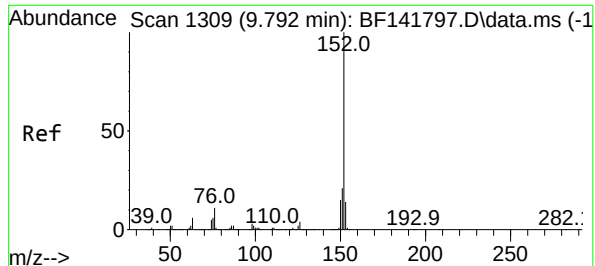
Ion Ratio Lower Upper

65 100

92 68.7 55.7 83.5

138 100.7 80.6 121.0





#49

Acenaphthylene

Concen: 69.880 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 3512070

Ion Ratio Lower Upper

152 100

151 21.3 16.6 24.8

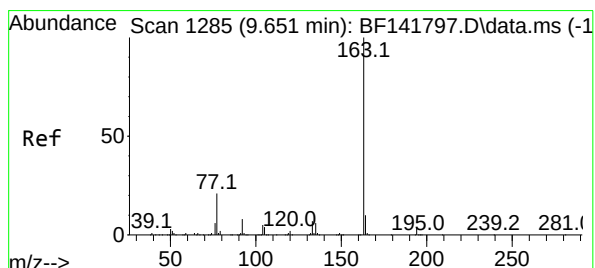
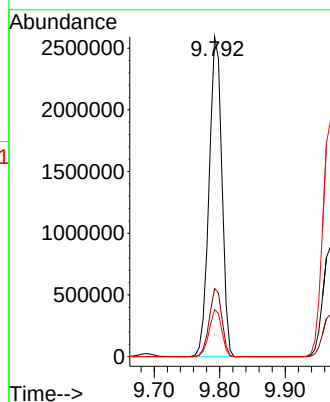
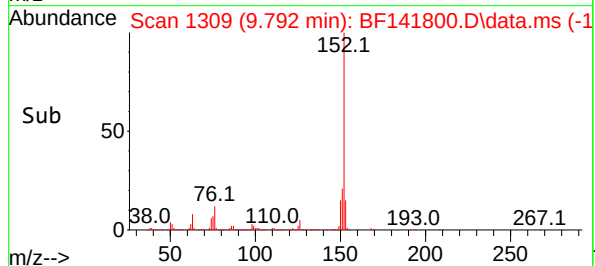
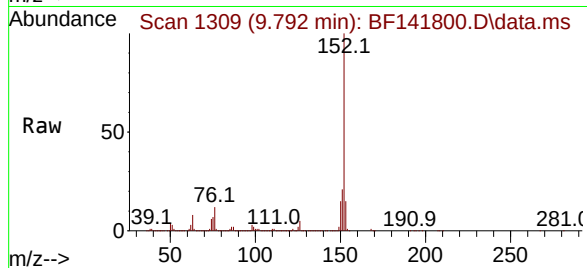
153 14.7 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 73.107 ng

RT: 9.663 min Scan# 1287

Delta R.T. 0.012 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

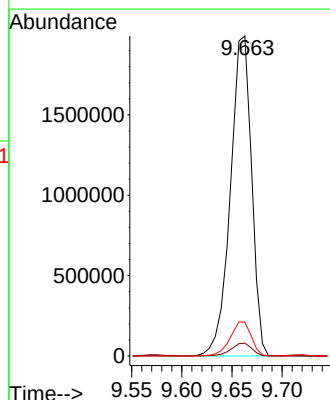
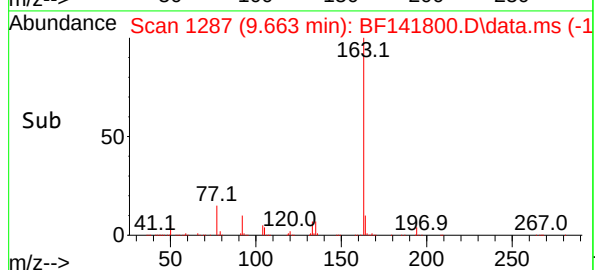
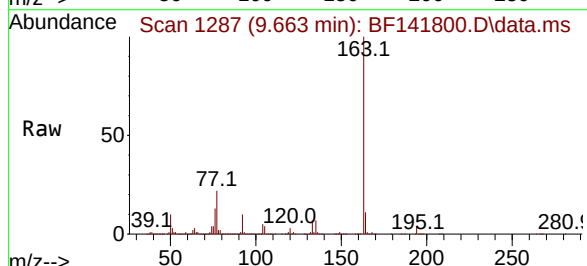
Tgt Ion:163 Resp: 2921217

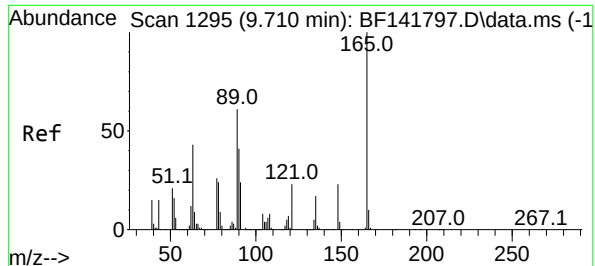
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

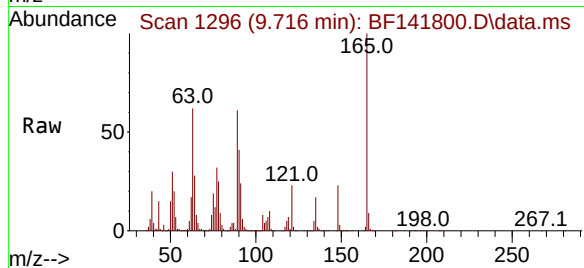
164 10.5 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 79.481 ng
RT: 9.716 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

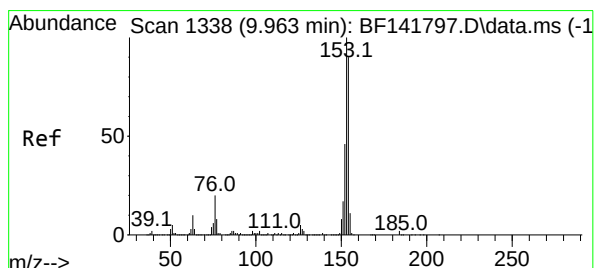
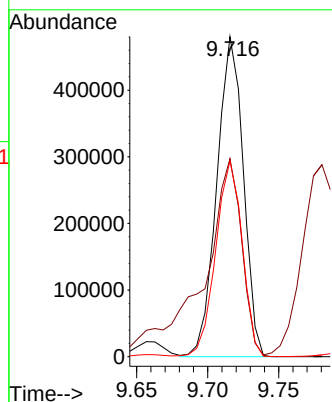
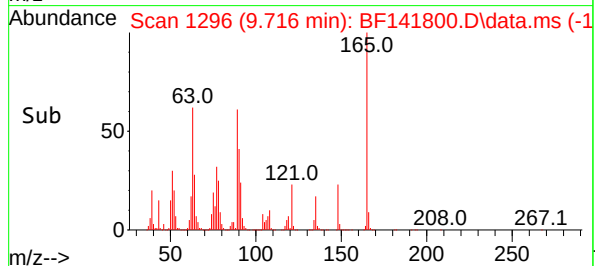
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 62262
Ion Ratio Lower Upper
165 100
63 61.9 49.5 74.3
89 61.1 49.0 73.4

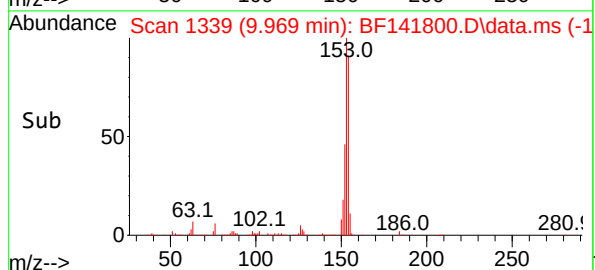
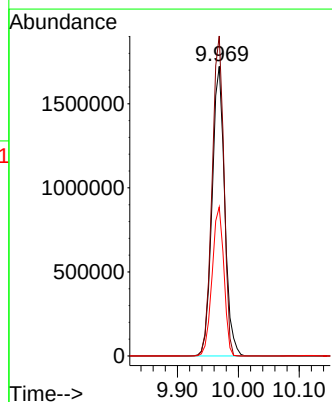
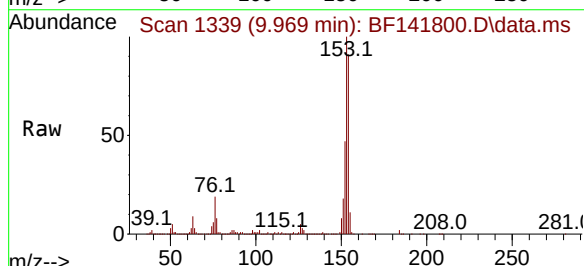
Manual Integrations
APPROVED

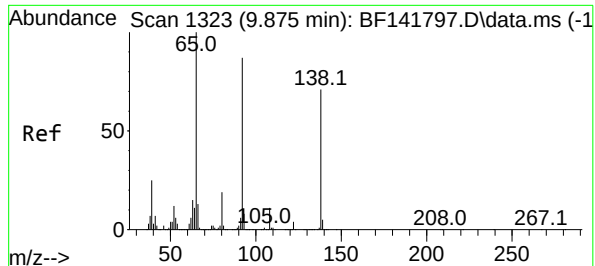
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#52
Acenaphthene
Concen: 73.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

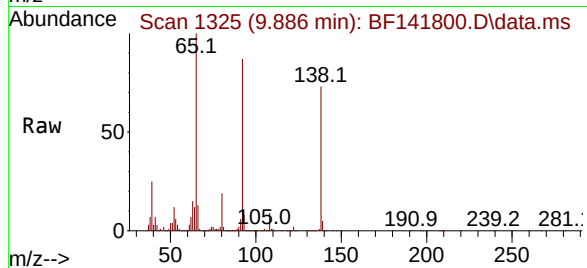
Tgt Ion:154 Resp: 2480302
Ion Ratio Lower Upper
154 100
153 110.5 88.7 133.1
152 51.5 40.9 61.3





#53
3-Nitroaniline
Concen: 79.835 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

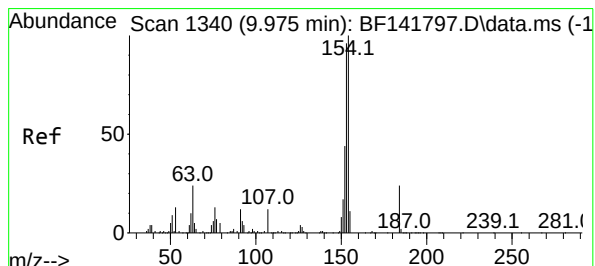
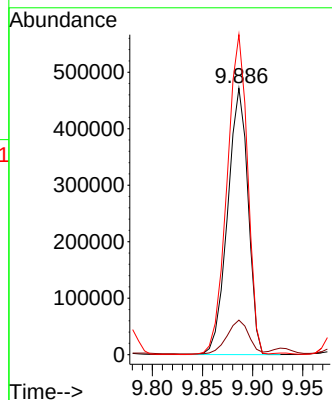
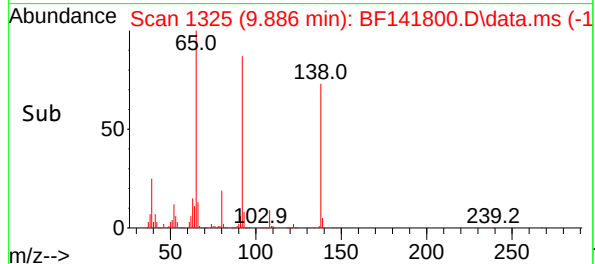
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



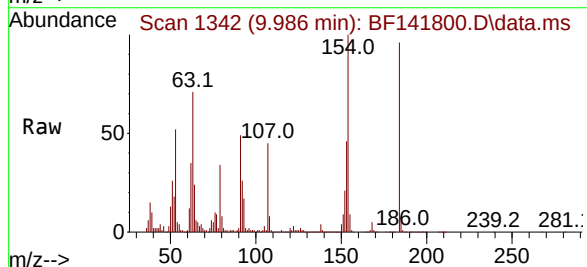
Tgt Ion:138 Resp: 667119
Ion Ratio Lower Upper
138 100
108 13.0 12.7 19.1
92 120.1 97.9 146.9

Manual Integrations
APPROVED

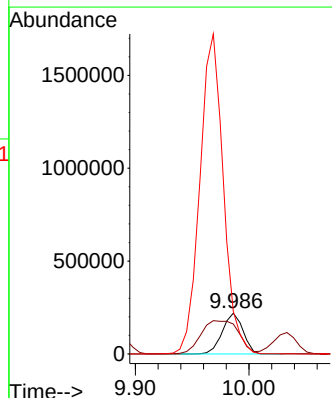
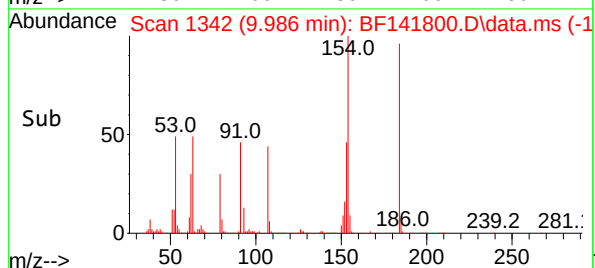
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

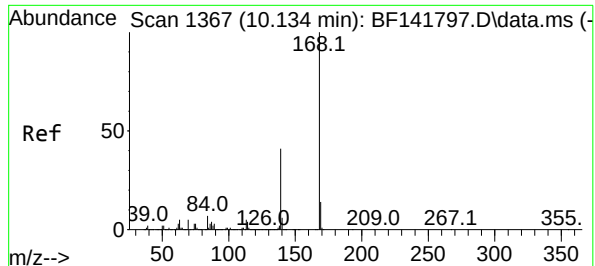


#54
2,4-Dinitrophenol
Concen: 79.409 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



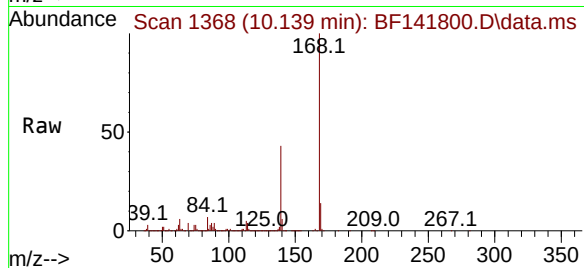
Tgt Ion:184 Resp: 277943
Ion Ratio Lower Upper
184 100
63 73.4 79.0 118.6#
154 103.9 335.8 503.8#





#55
Dibenzenofuran
Concen: 69.448 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

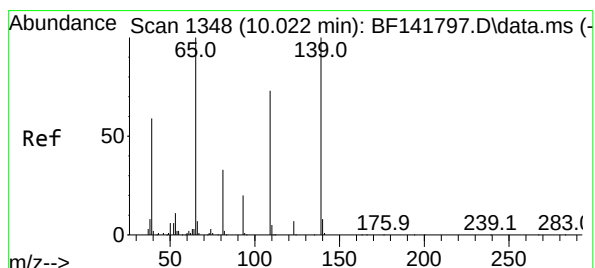
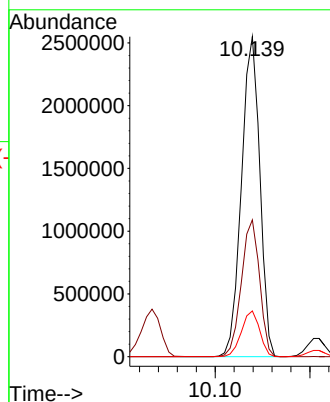
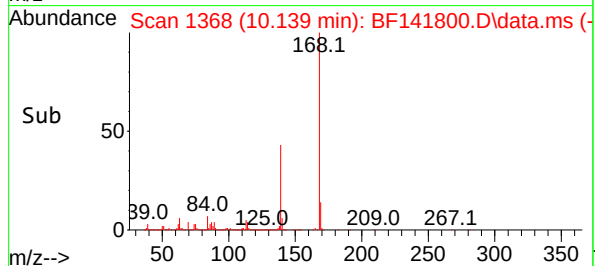
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 342789
Ion Ratio Lower Upper
168 100
139 42.7 32.9 49.3
169 14.3 11.1 16.7

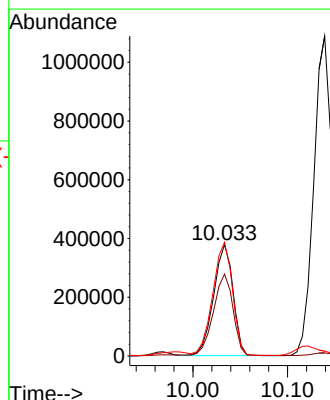
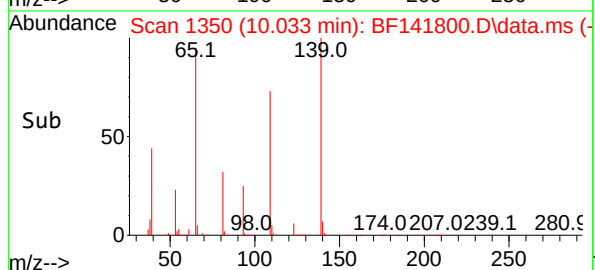
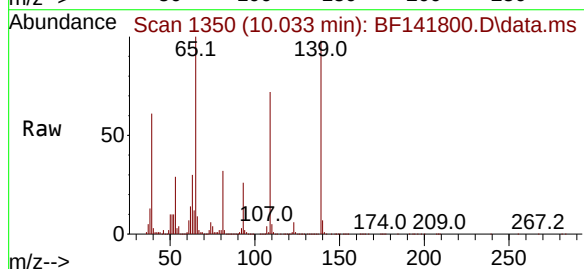
Manual Integrations
APPROVED

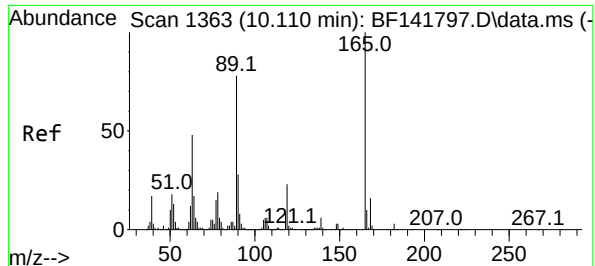
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#56
4-Nitrophenol
Concen: 91.723 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

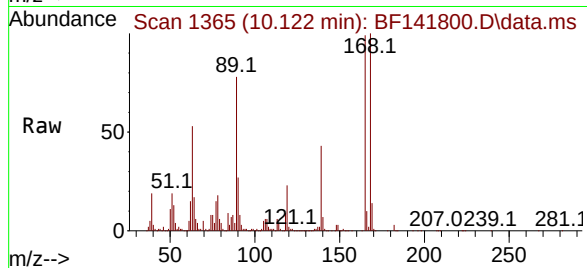
Tgt Ion:139 Resp: 541317
Ion Ratio Lower Upper
139 100
109 73.6 53.4 93.4
65 102.2 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 79.344 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

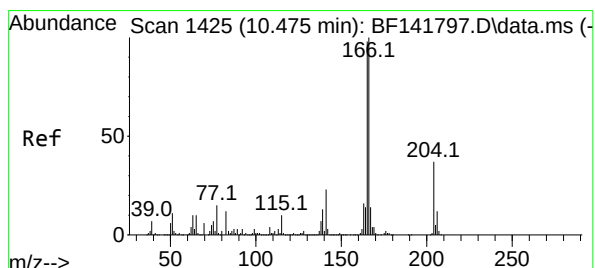
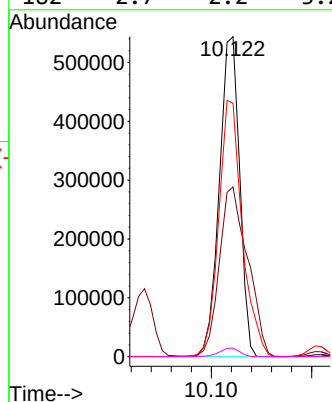
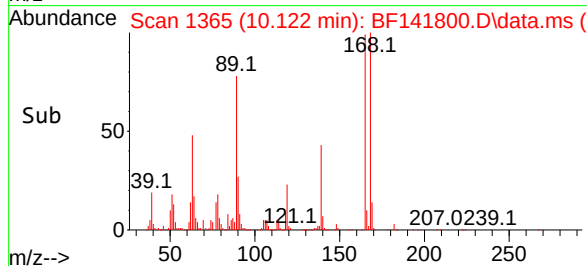
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 764012
Ion Ratio Lower Upper
165 100
63 53.1 38.8 58.2
89 79.2 62.6 94.0
182 2.7 2.2 3.2

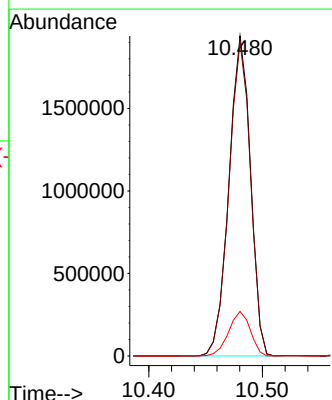
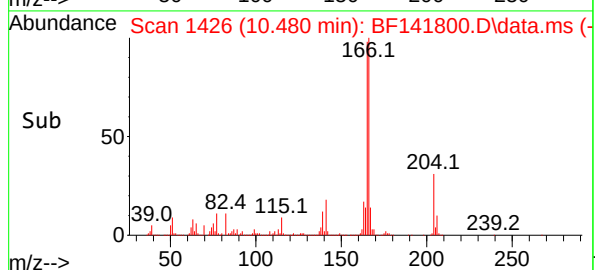
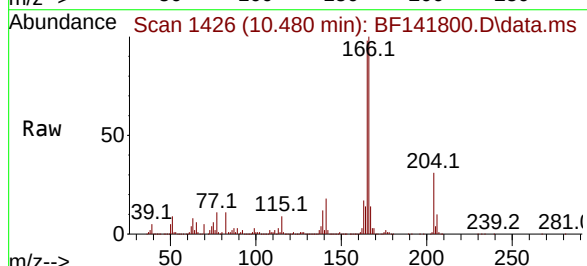
Manual Integrations
APPROVED

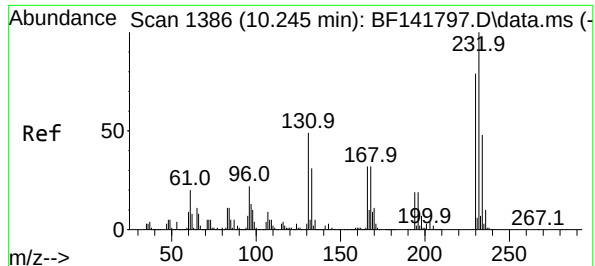
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#58
Fluorene
Concen: 69.170 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

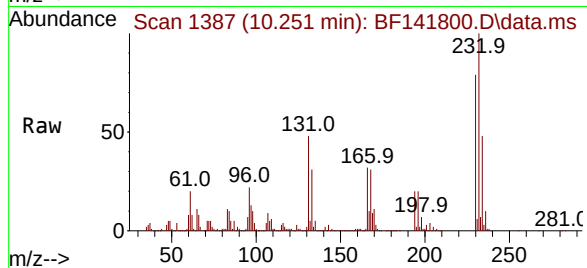
Tgt Ion:166 Resp: 2557382
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 78.537 ng
RT: 10.251 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

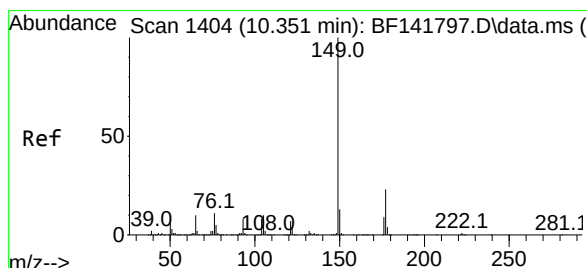
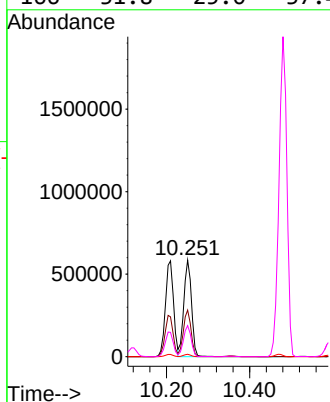
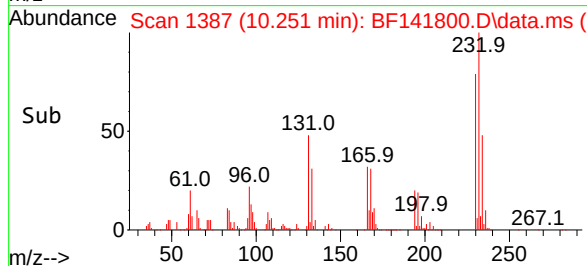
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:232 Resp: 752911
Ion Ratio Lower Upper
232 100
131 47.5 37.8 56.8
130 2.4 2.0 3.0
166 31.8 25.0 37.4

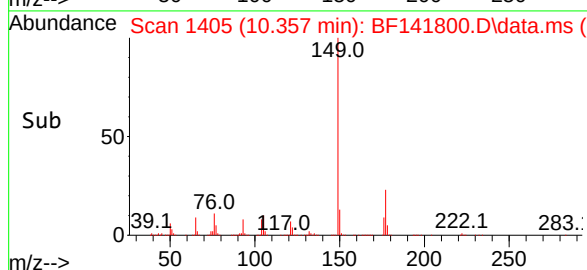
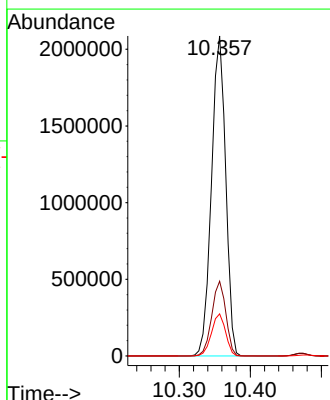
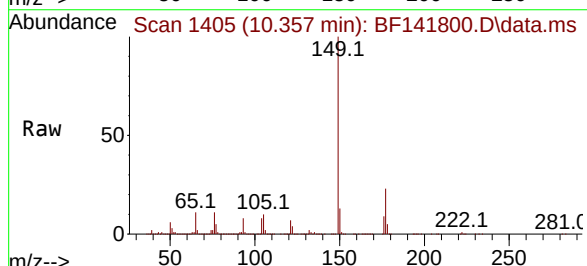
Manual Integrations
APPROVED

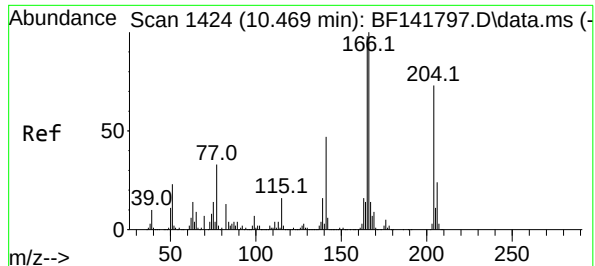
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#60
Diethylphthalate
Concen: 72.232 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

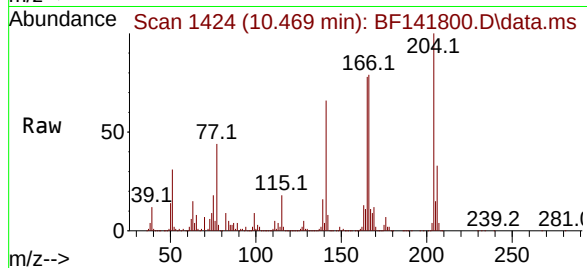
Tgt Ion:149 Resp: 2893471
Ion Ratio Lower Upper
149 100
177 23.3 18.3 27.5
150 13.2 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 72.414 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

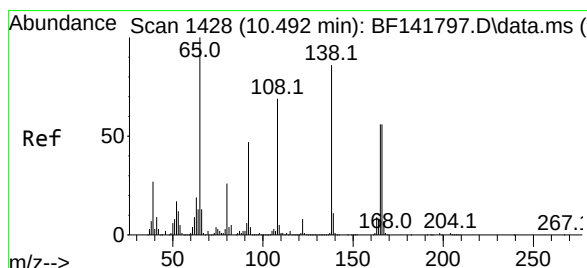
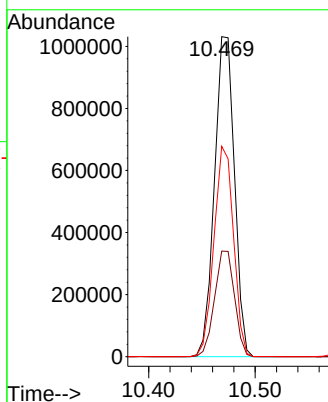
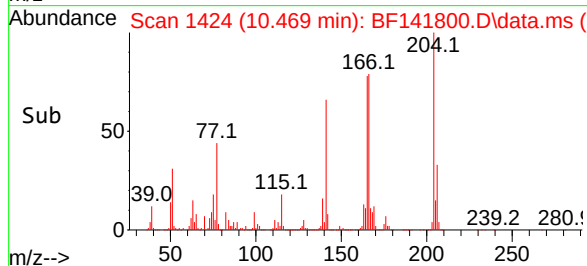
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



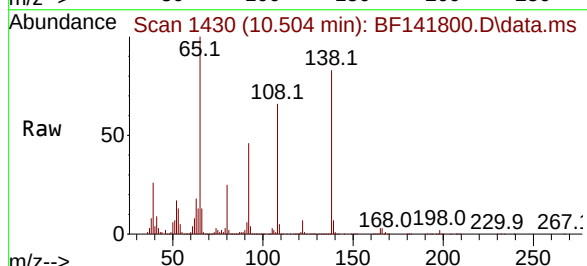
Tgt Ion:204 Resp: 134144
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.4
141 65.7 51.7 77.5

Manual Integrations
APPROVED

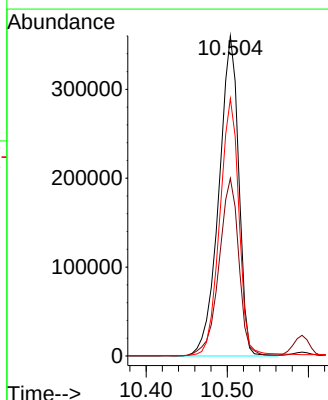
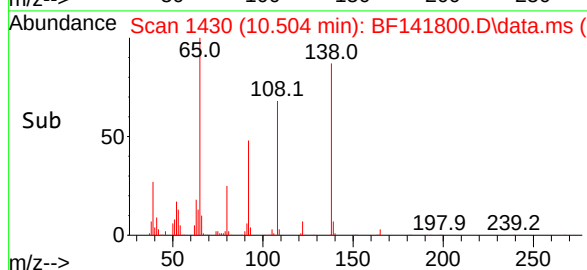
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

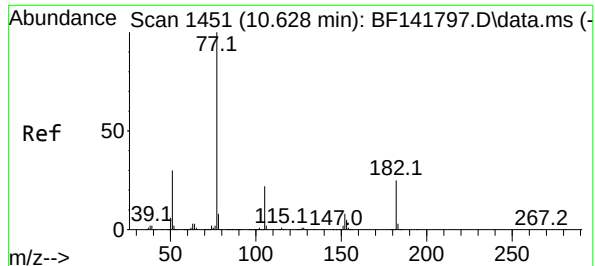


#62
4-Nitroaniline
Concen: 89.663 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



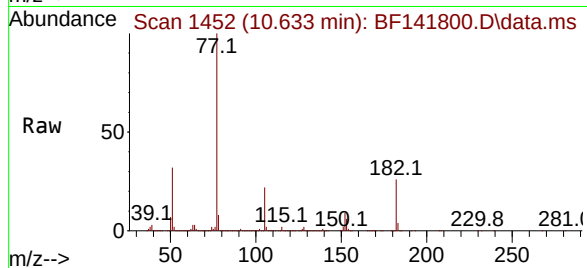
Tgt Ion:138 Resp: 611855
Ion Ratio Lower Upper
138 100
92 55.5 34.9 74.9
108 80.4 59.6 99.6





#63
Azobenzene
Concen: 71.441 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

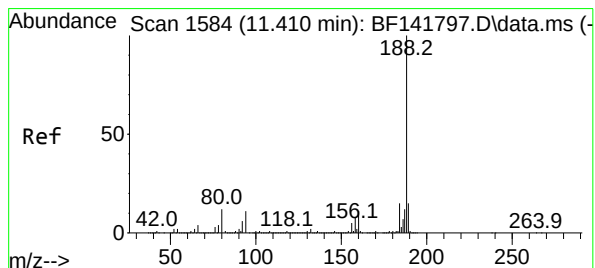
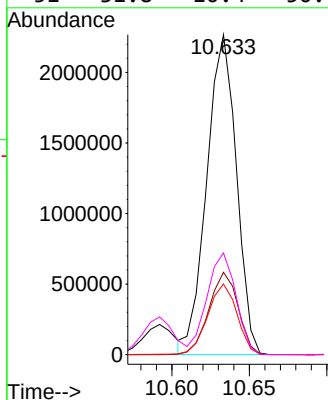
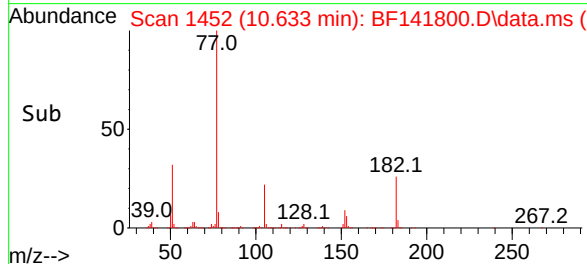
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 301318
Ion Ratio Lower Upper
77 100
182 25.7 4.2 44.2
105 22.1 1.5 41.5
51 31.8 10.4 50.4

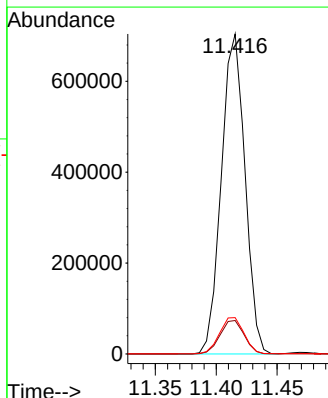
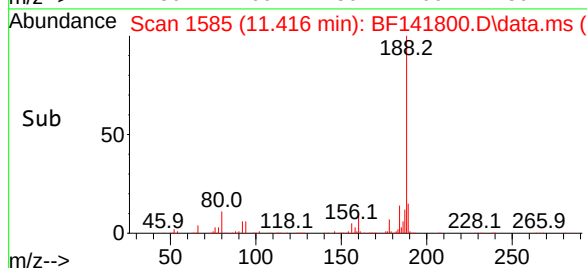
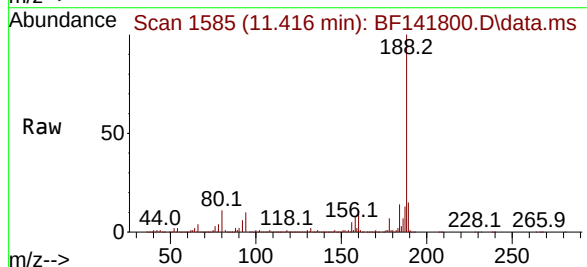
Manual Integrations
APPROVED

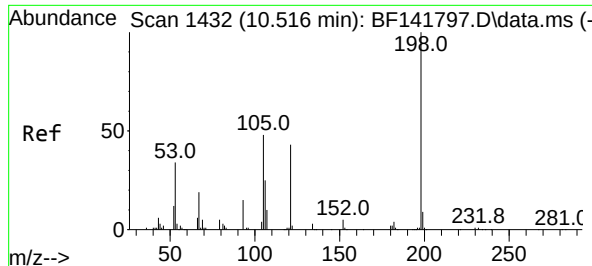
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

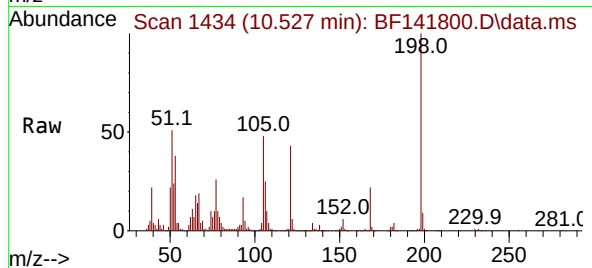
Tgt Ion:188 Resp: 953117
Ion Ratio Lower Upper
188 100
94 10.4 8.9 13.3
80 11.4 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 80.929 ng
RT: 10.527 min Scan# 1443
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

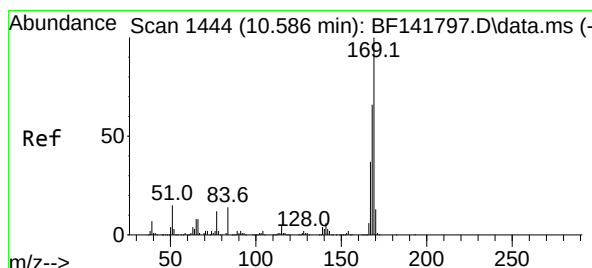
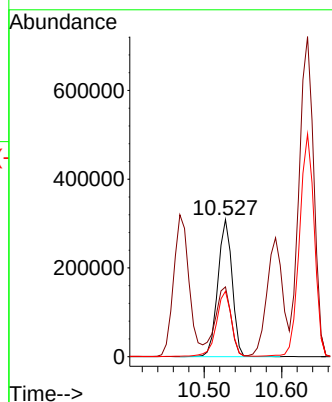
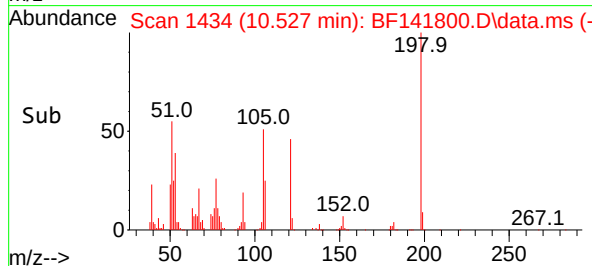
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:198 Resp: 393349
Ion Ratio Lower Upper
198 100
51 50.9 32.1 72.1
105 47.7 28.5 68.5

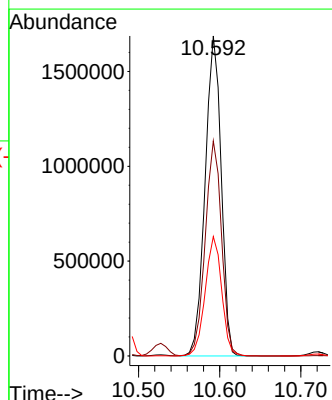
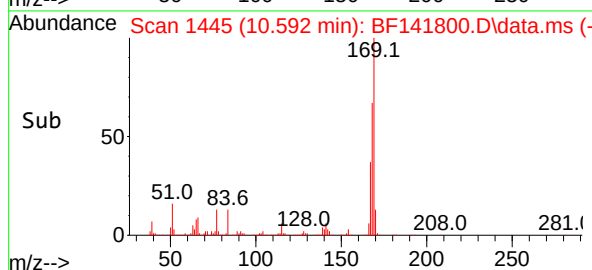
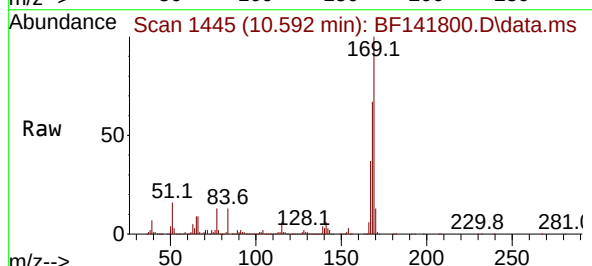
Manual Integrations
APPROVED

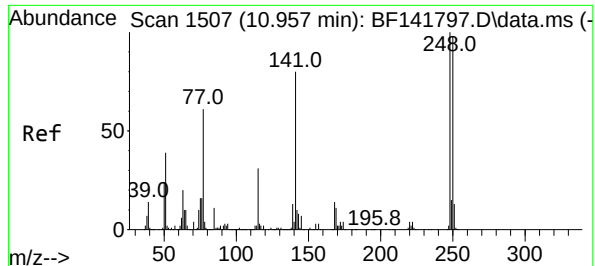
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#66
n-Nitrosodiphenylamine
Concen: 73.923 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

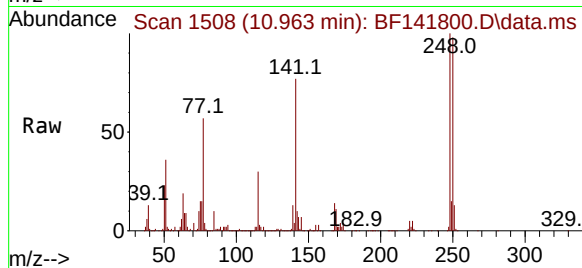
Tgt Ion:169 Resp: 2313580
Ion Ratio Lower Upper
169 100
168 67.2 53.0 79.6
167 37.3 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 76.550 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

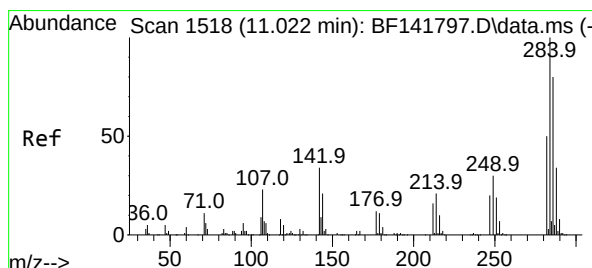
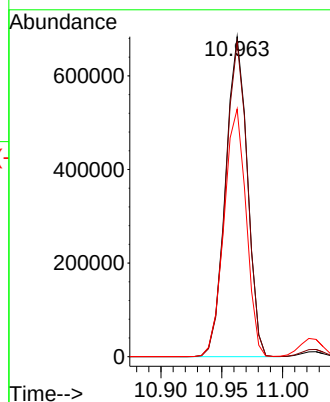
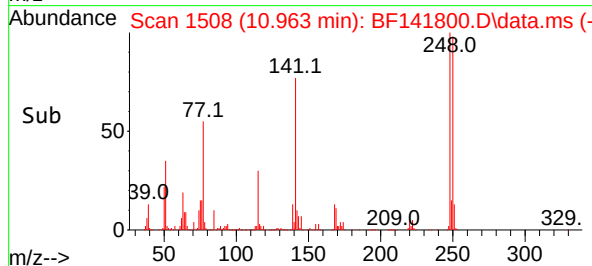
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:248 Resp: 852210
Ion Ratio Lower Upper
248 100
250 98.3 78.1 117.1
141 77.4 64.3 96.5

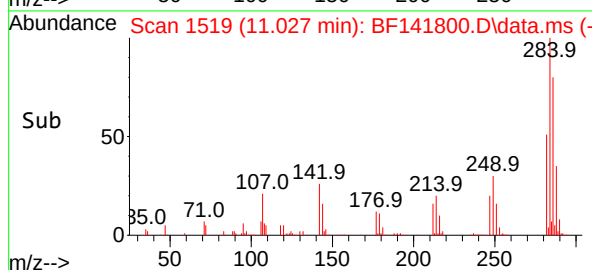
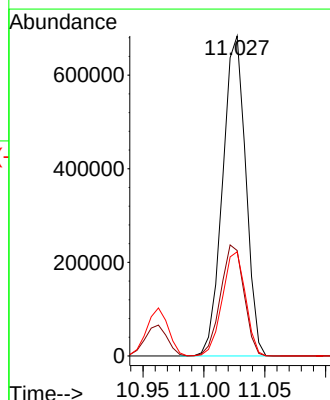
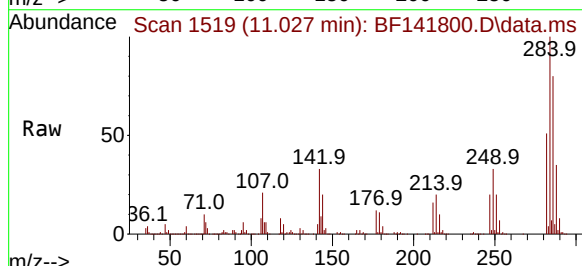
Manual Integrations
APPROVED

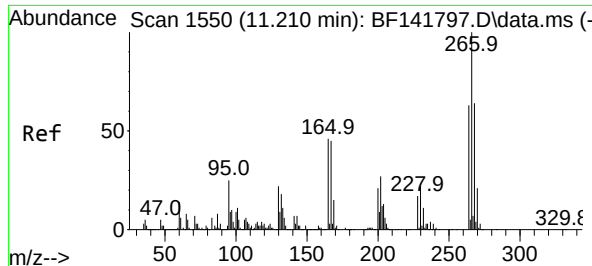
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#68
Hexachlorobenzene
Concen: 76.782 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

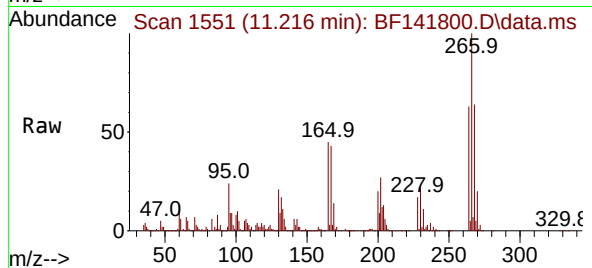
Tgt Ion:284 Resp: 902644
Ion Ratio Lower Upper
284 100
142 33.0 28.2 42.2
249 32.5 25.5 38.3





#70
Pentachlorophenol
Concen: 81.849 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

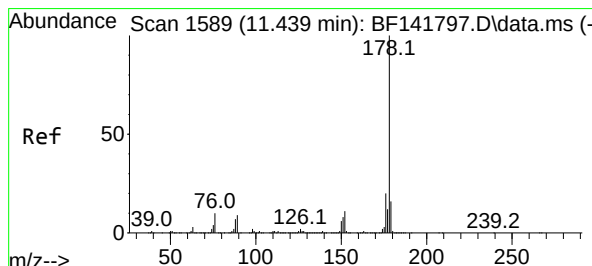
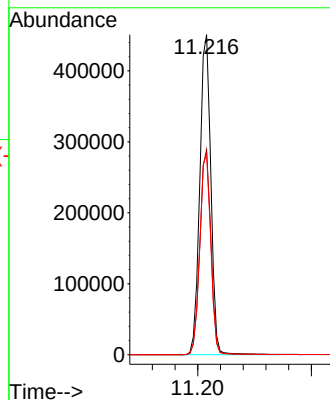
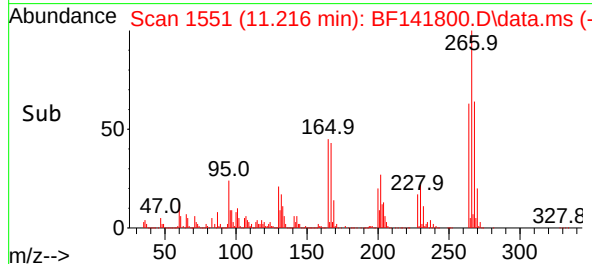
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:266 Resp: 610264
Ion Ratio Lower Upper
266 100
268 64.0 50.9 76.3
264 62.8 50.2 75.4

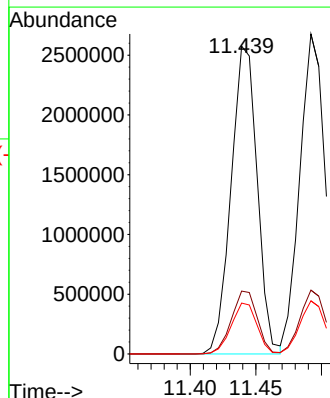
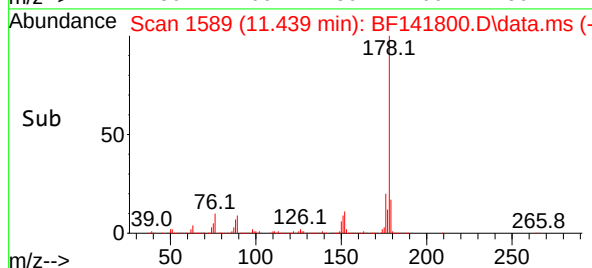
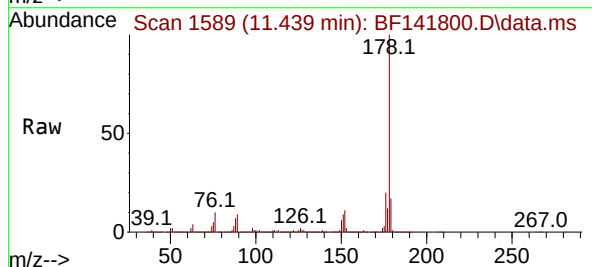
Manual Integrations
APPROVED

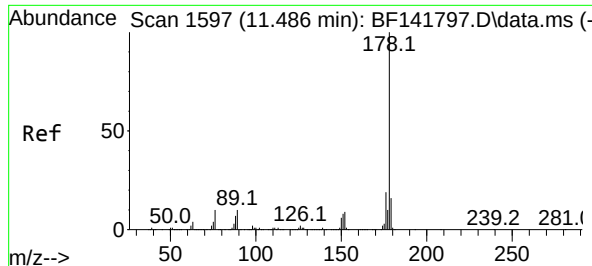
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#71
Phenanthrene
Concen: 70.307 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

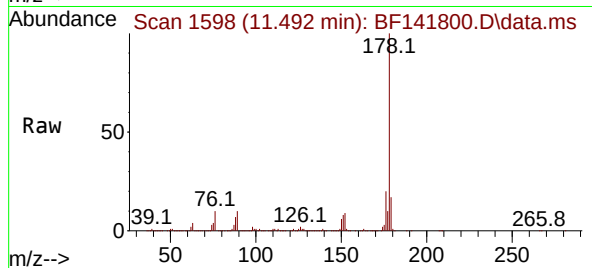
Tgt Ion:178 Resp: 3584436
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.5 12.6 19.0





#72
Anthracene
Concen: 69.487 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

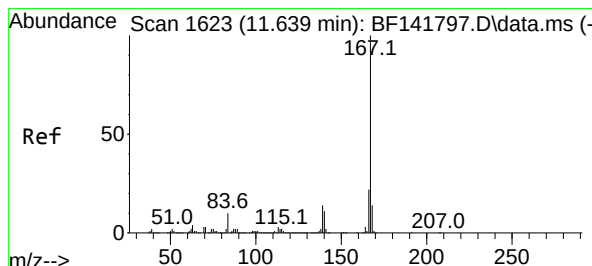
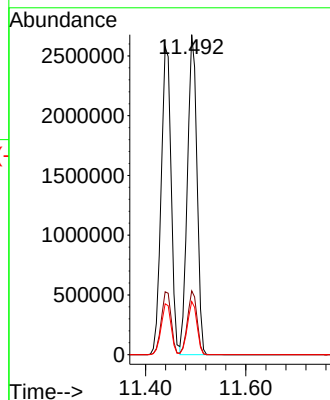
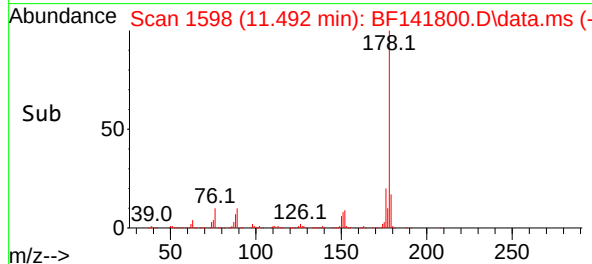
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 3550480
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 16.6 12.8 19.2

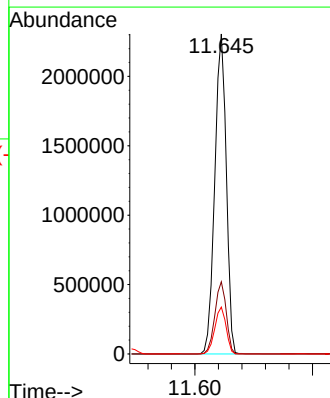
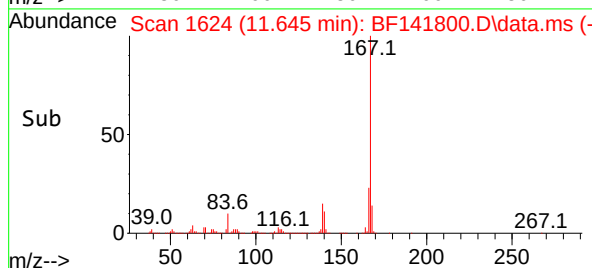
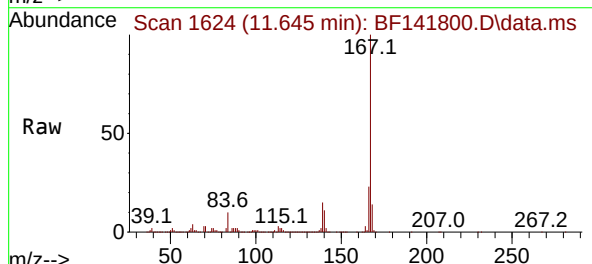
Manual Integrations
APPROVED

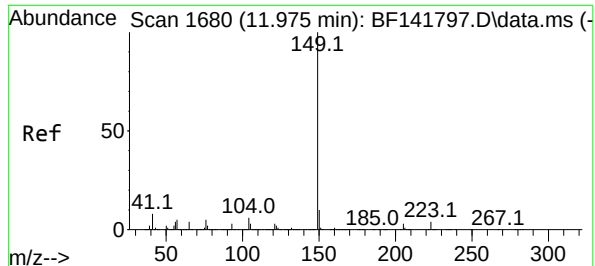
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#73
Carbazole
Concen: 69.380 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

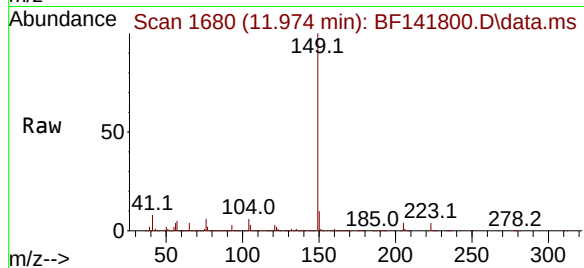
Tgt Ion:167 Resp: 3130504
Ion Ratio Lower Upper
167 100
166 22.6 17.5 26.3
139 14.7 11.3 16.9





#74
Di-n-butylphthalate
Concen: 68.971 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

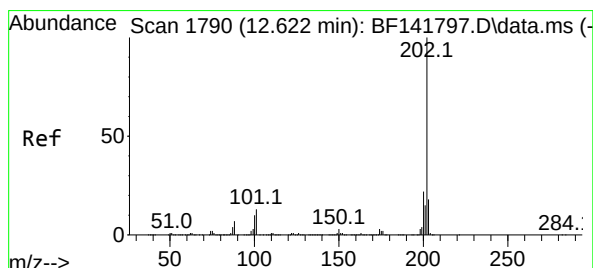
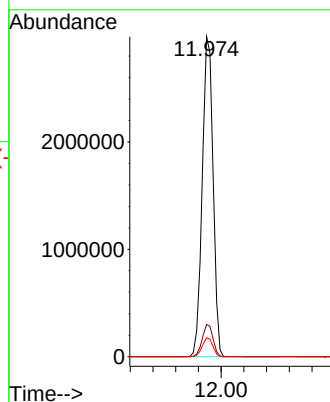
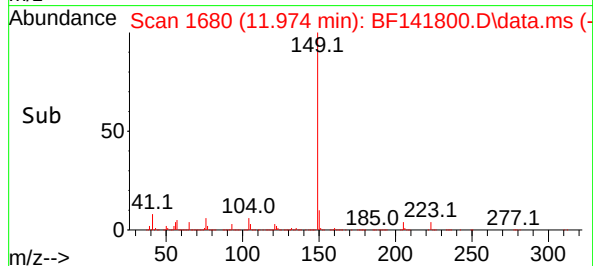
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 3944814
Ion Ratio Lower Upper
149 100
150 10.1 7.7 11.5
104 5.9 4.4 6.6

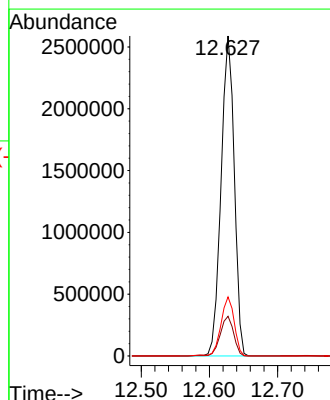
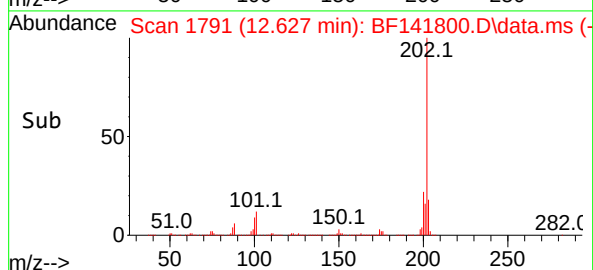
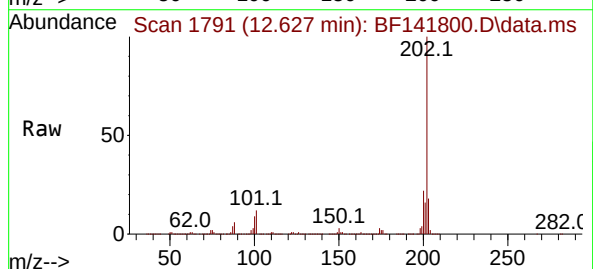
Manual Integrations
APPROVED

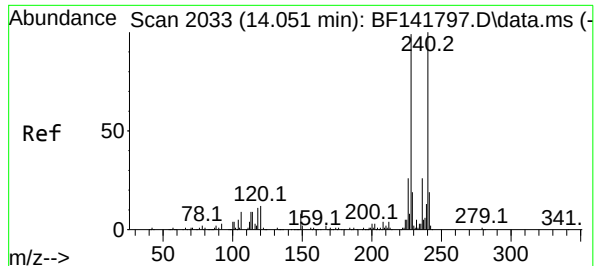
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#75
Fluoranthene
Concen: 66.922 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

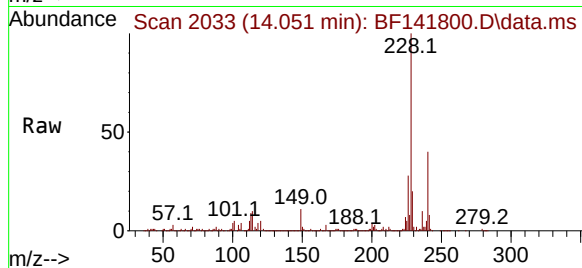
Tgt Ion:202 Resp: 3496011
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.8
203 18.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

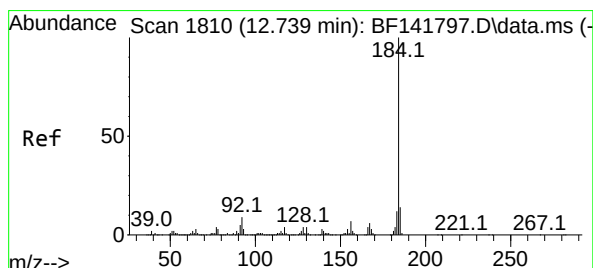
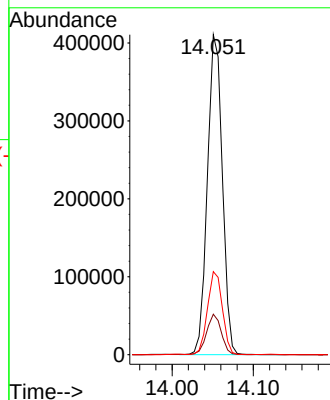
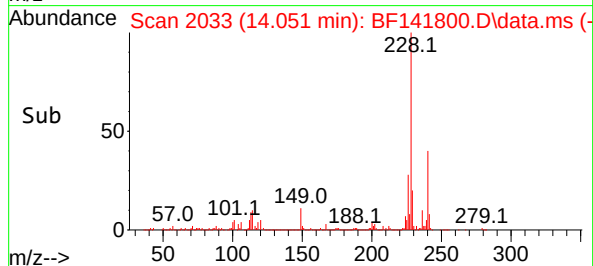
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:240 Resp: 523200
Ion Ratio Lower Upper
240 100
120 12.6 9.7 14.5
236 26.0 21.0 31.4

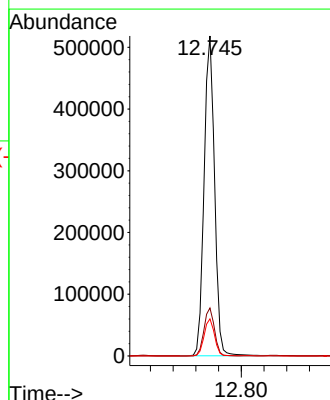
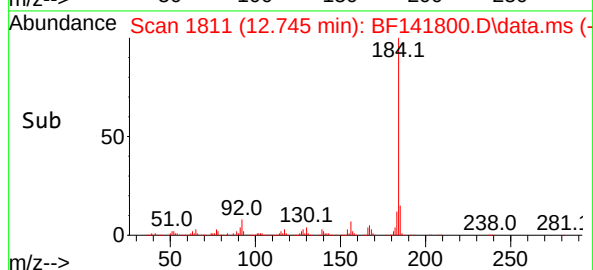
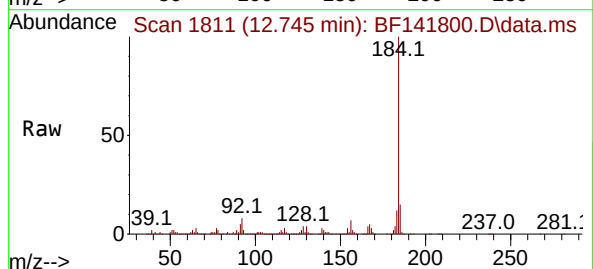
Manual Integrations
APPROVED

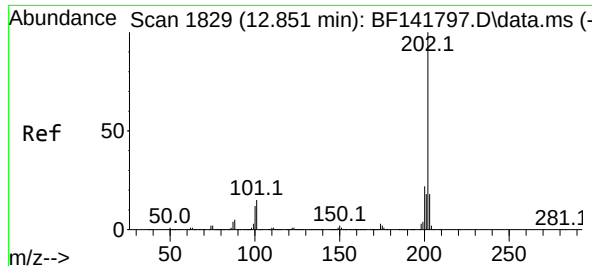
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#77
Benzidine
Concen: 100.283 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

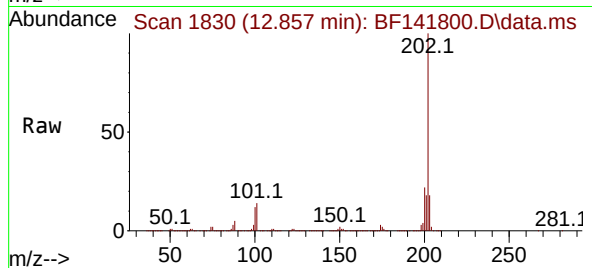
Tgt Ion:184 Resp: 660393
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 11.6 9.4 14.0





#78
Pyrene
Concen: 76.502 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

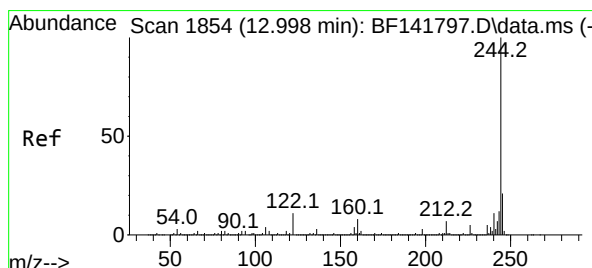
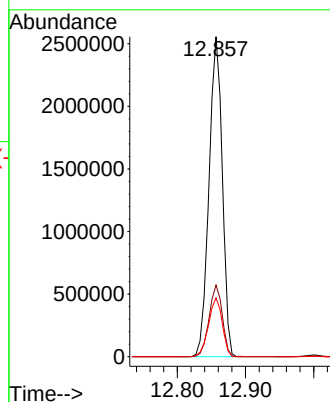
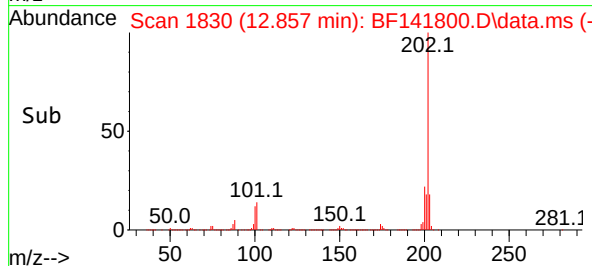
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 346603
Ion Ratio Lower Upper
202 100
200 22.4 17.4 26.0
203 18.4 14.6 22.0

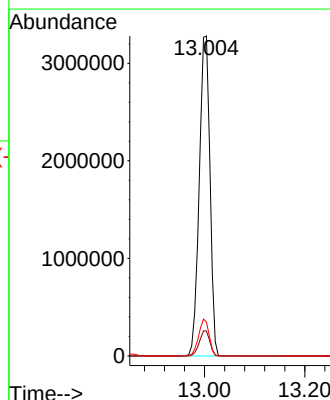
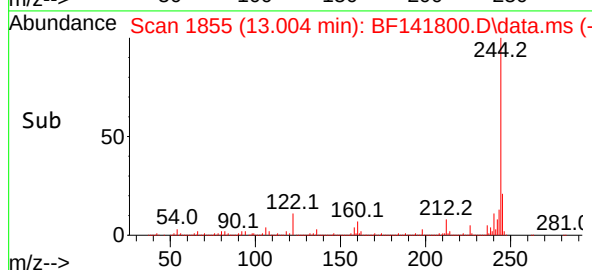
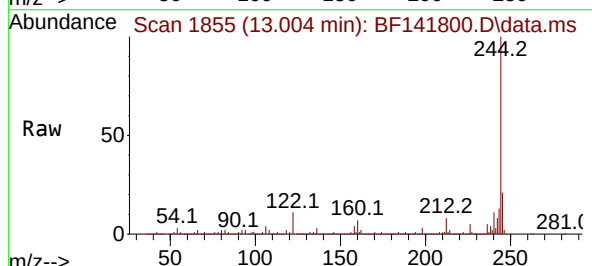
Manual Integrations
APPROVED

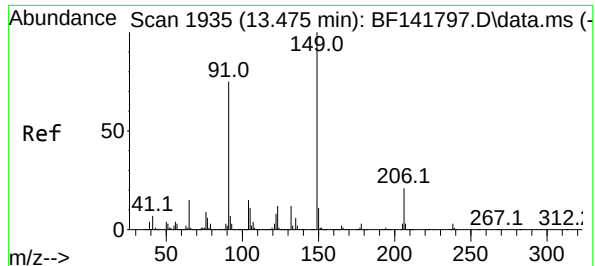
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#79
Terphenyl-d14
Concen: 149.765 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:244 Resp: 4843134
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 10.5 9.0 13.6





#80

Butylbenzylphthalate

Concen: 82.887 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:149 Resp: 1364388

Ion Ratio Lower Upper

149 100

91 75.4 60.1 90.1

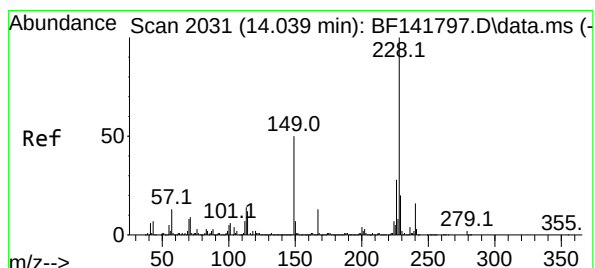
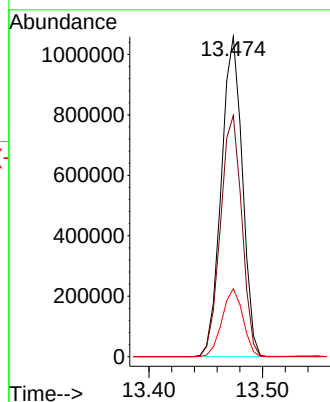
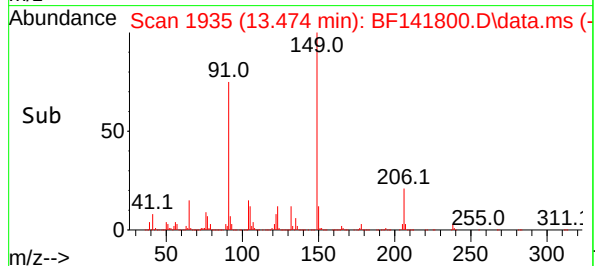
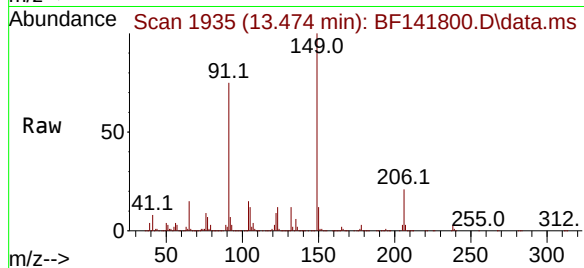
206 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#81

Benzo(a)anthracene

Concen: 78.217 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

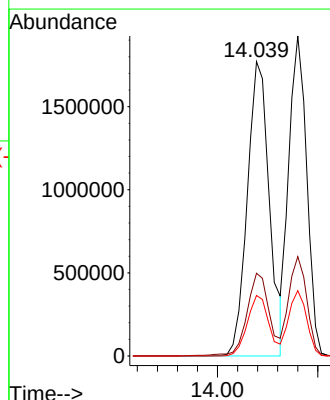
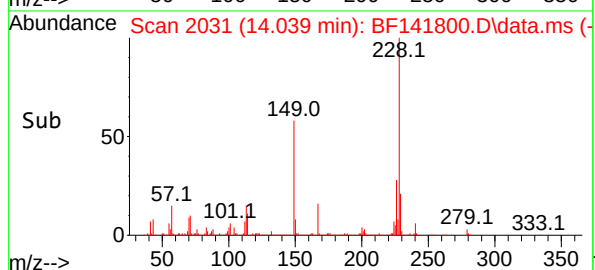
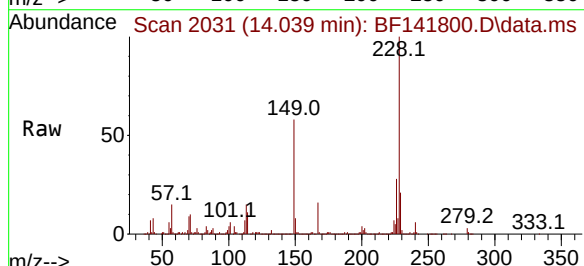
Tgt Ion:228 Resp: 2703093

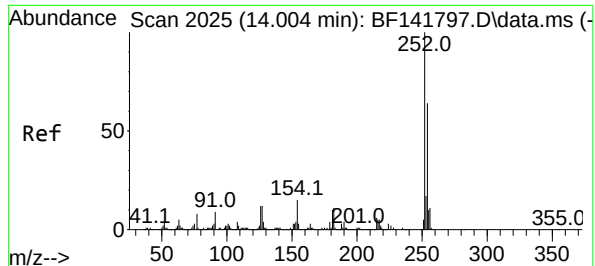
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

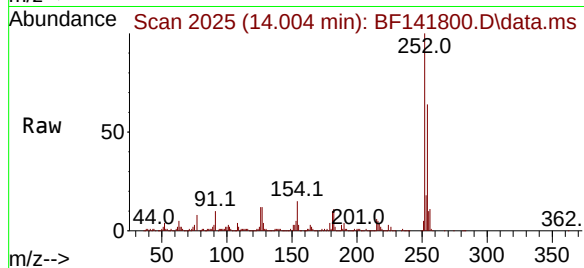
229 20.6 16.1 24.1





#82
3,3'-Dichlorobenzidine
Concen: 76.939 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

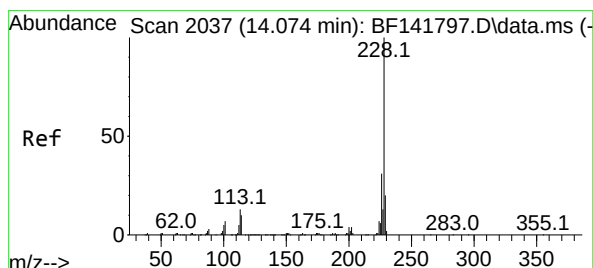
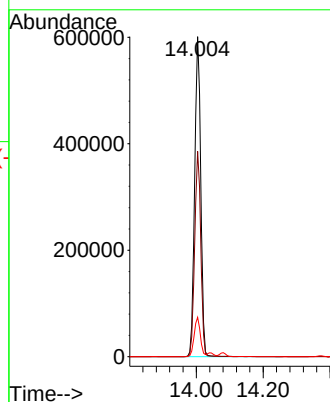
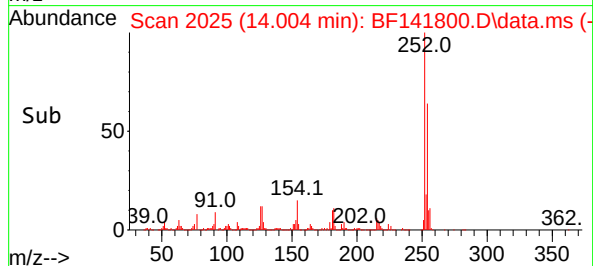
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:252 Resp: 76285
Ion Ratio Lower Upper
252 100
254 64.2 51.4 77.0
126 12.3 9.8 14.6

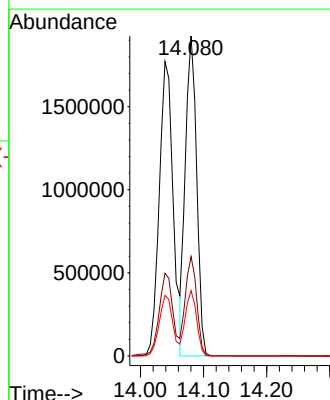
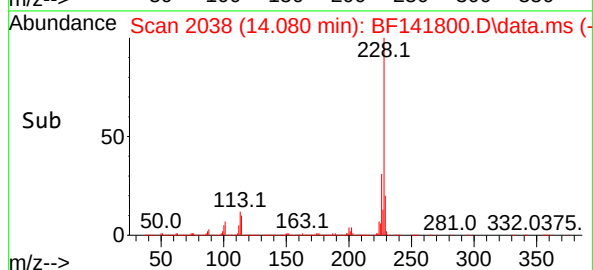
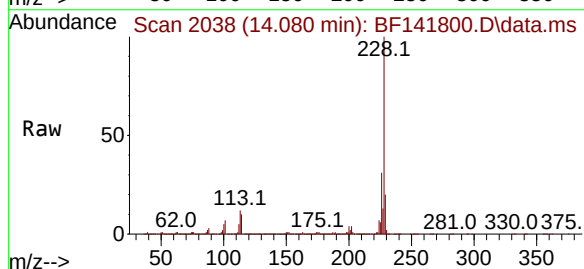
Manual Integrations
APPROVED

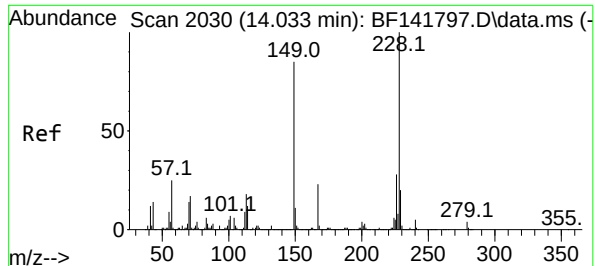
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#83
Chrysene
Concen: 75.176 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

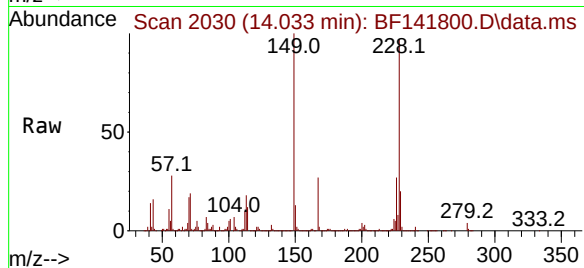
Tgt Ion:228 Resp: 2394861
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 20.4 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 84.426 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

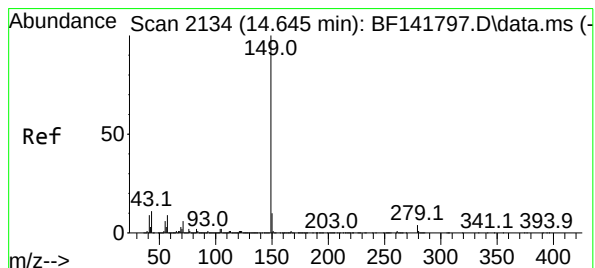
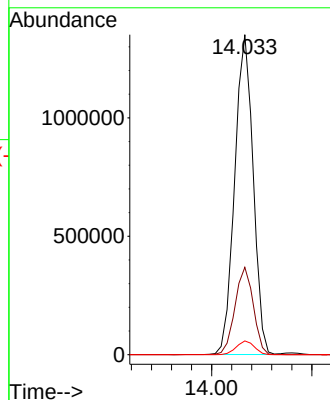
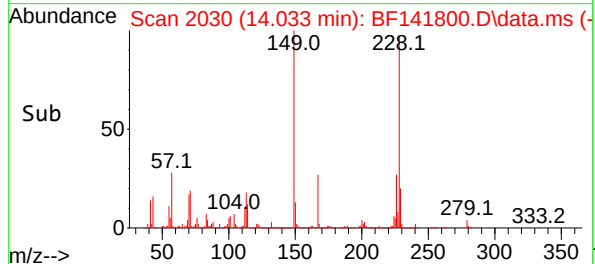
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 1730418
Ion Ratio Lower Upper
149 100
167 27.3 21.2 31.8
279 4.3 3.3 4.9

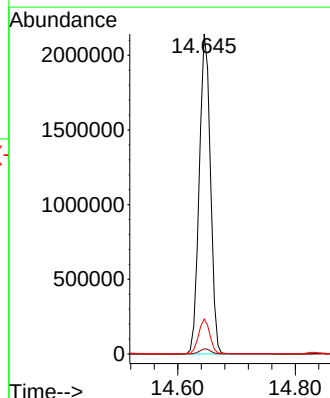
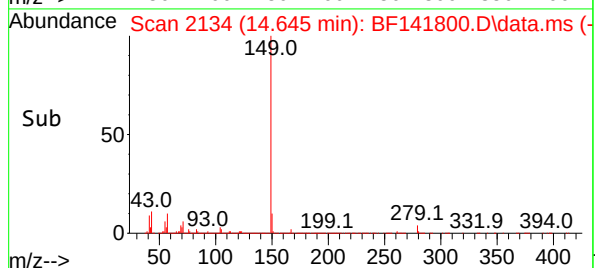
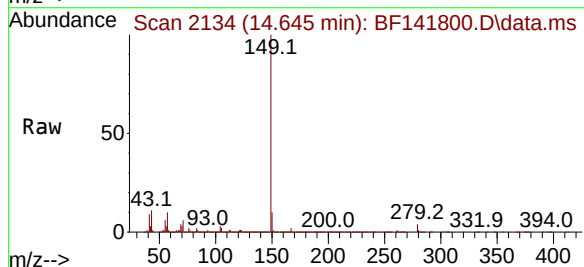
Manual Integrations
APPROVED

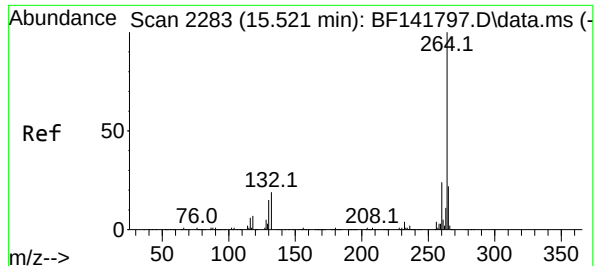
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#85
Di-n-octyl phthalate
Concen: 91.958 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 2821762
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.9 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

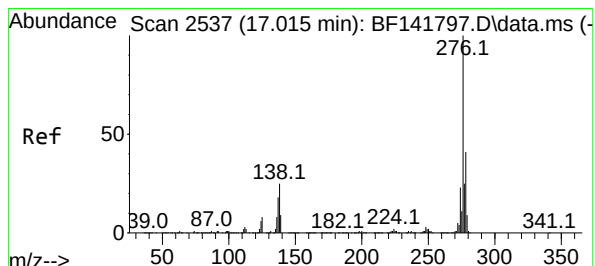
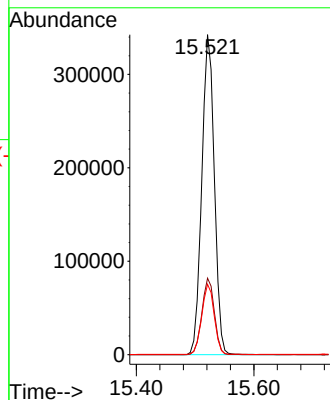
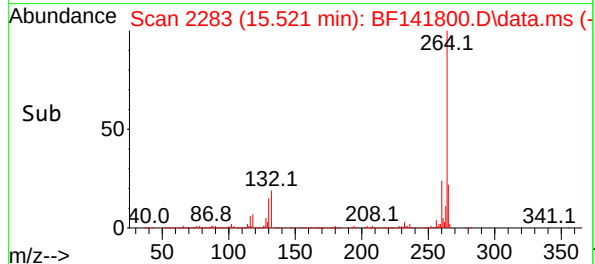
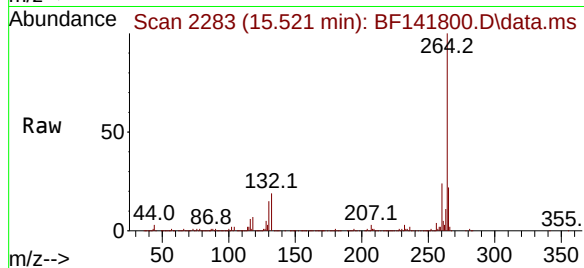
SSTDICC080

Tgt Ion:264 Resp: 508610
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.0 17.4 26.0

Manual Integrations

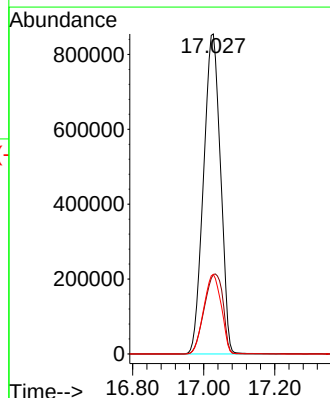
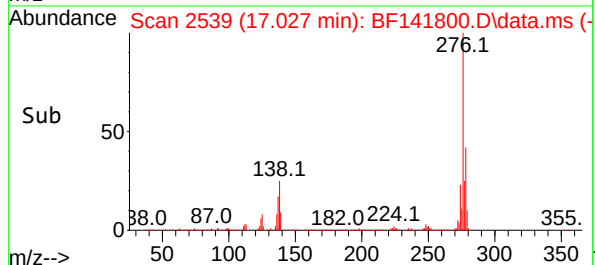
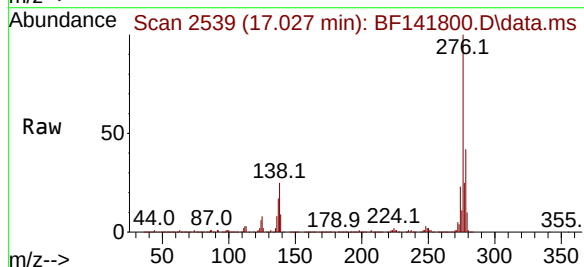
APPROVED

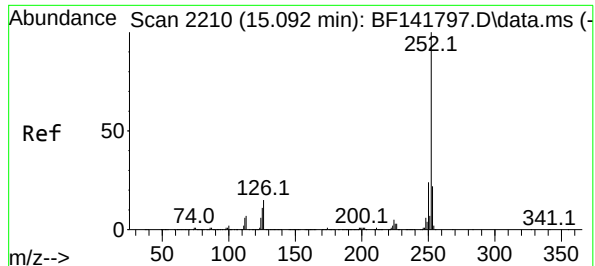
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 87.778 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:276 Resp: 2842850
Ion Ratio Lower Upper
276 100
138 27.7 22.5 33.7
277 25.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 73.777 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 255601

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

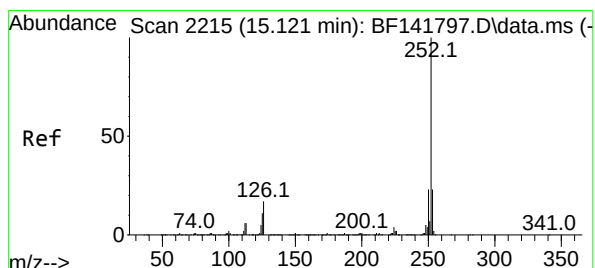
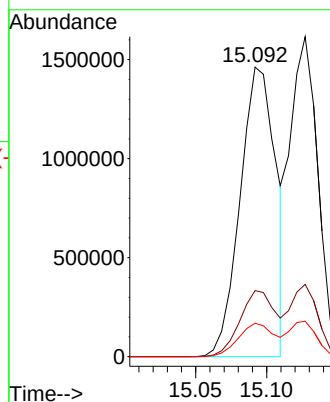
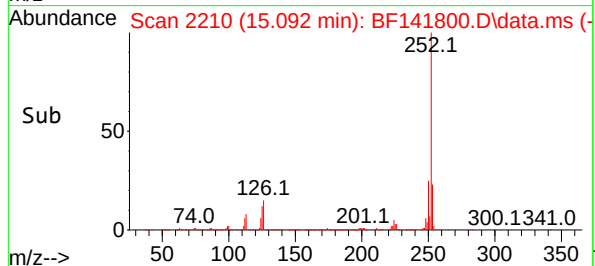
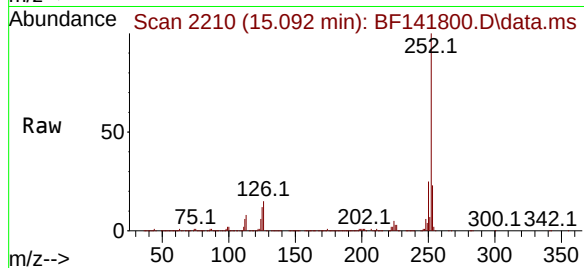
125 11.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#89

Benzo(k)fluoranthene

Concen: 74.176 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

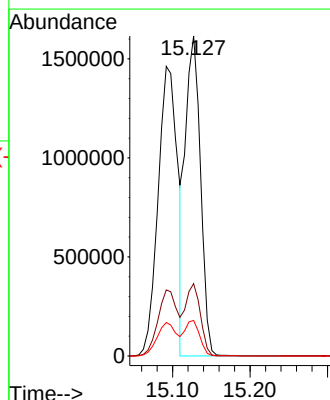
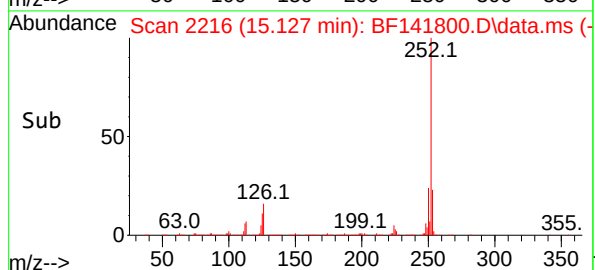
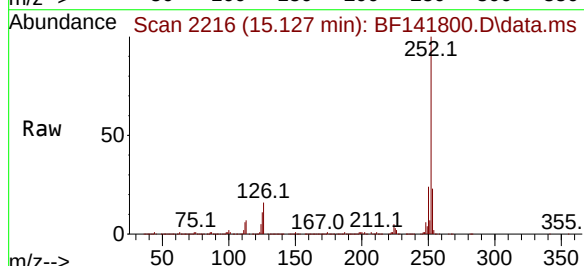
Tgt Ion:252 Resp: 2184261

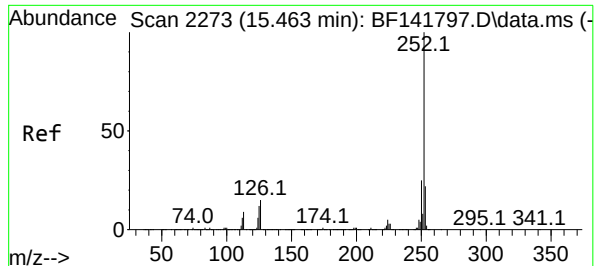
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.1 8.8 13.2





#90

Benzo(a)pyrene

Concen: 77.617 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 215658

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

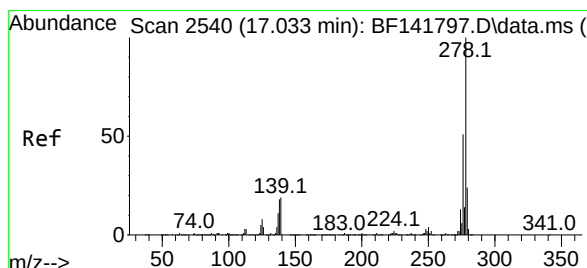
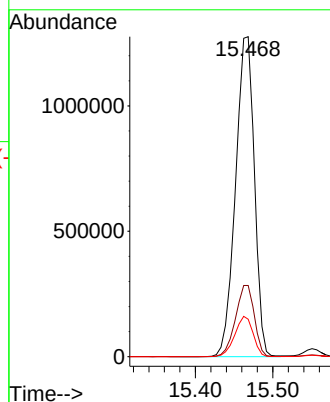
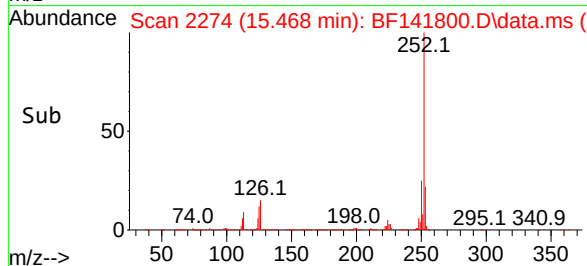
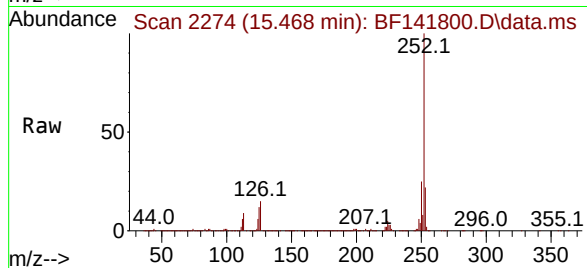
125 11.7 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#91

Dibenzo(a,h)anthracene

Concen: 85.844 ng

RT: 17.051 min Scan# 2543

Delta R.T. 0.017 min

Lab File: BF141800.D

Acq: 27 Feb 2025 18:45

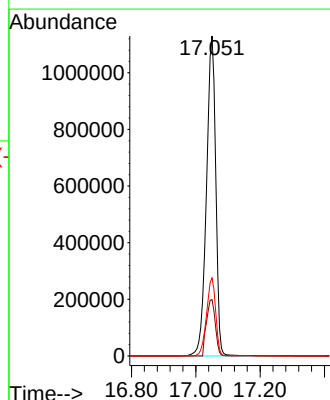
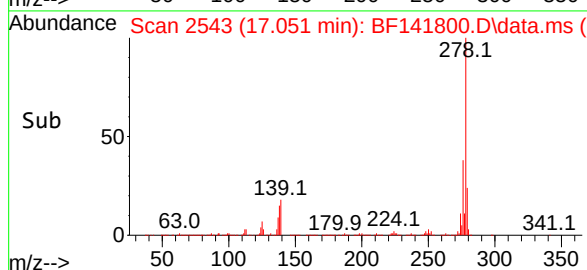
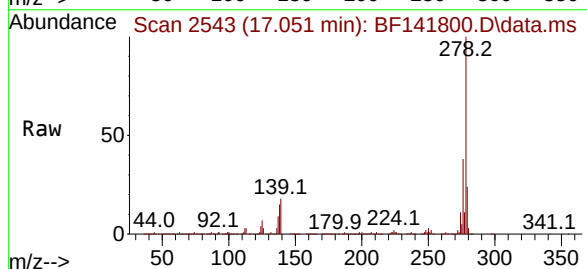
Tgt Ion:278 Resp: 2269377

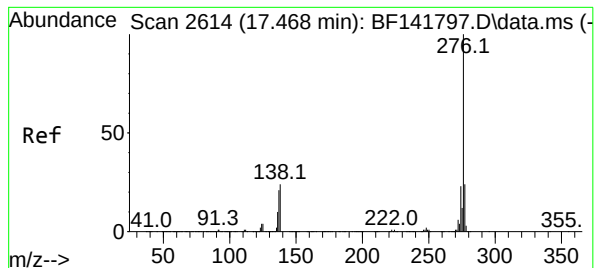
Ion Ratio Lower Upper

278 100

139 17.6 14.9 22.3

279 24.4 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 88.534 ng

RT: 17.486 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF141800.D

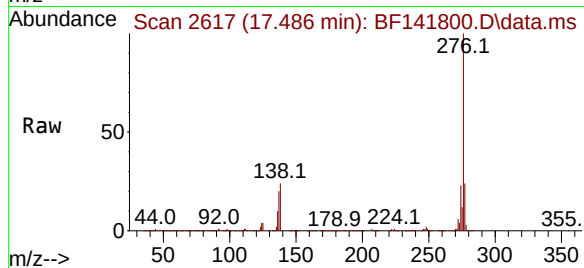
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 239775

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

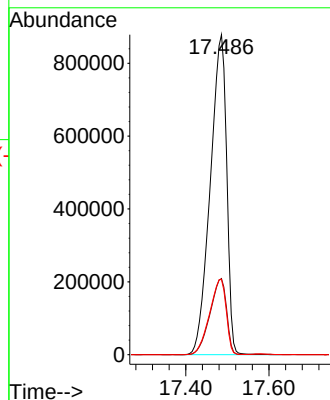
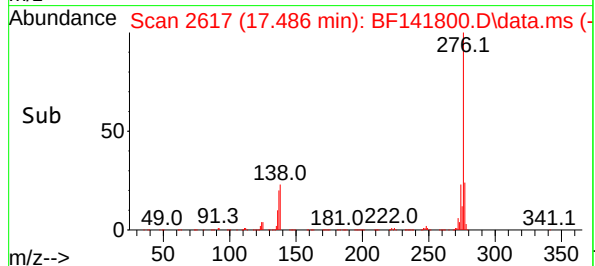
138 23.5 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141801.D
 Acq On : 27 Feb 2025 19:45
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	336406	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1367272	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	753741	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1211382	20.000	ng	0.00
76) Chrysene-d12	14.051	240	696919	20.000	ng	0.00
86) Perylene-d12	15.521	264	634238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1736670	82.443	ng	0.00
7) Phenol-d6	6.510	99	2276751	83.039	ng	0.00
23) Nitrobenzene-d5	7.457	82	2025812	94.707	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	596677	84.321	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3570541	75.957	ng	0.00
79) Terphenyl-d14	12.998	244	3534753	82.060	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	396533	41.486	ng	100
3) Pyridine	3.446	79	1012428	42.572	ng	99
4) n-Nitrosodimethylamine	3.404	42	498621	43.575	ng	99
6) Aniline	6.557	93	1221626	42.857	ng	100
8) 2-Chlorophenol	6.675	128	957321	42.011	ng	100
9) Benzaldehyde	6.440	77	696694	43.684	ng	99
10) Phenol	6.528	94	1219216	41.614	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	932690	41.763	ng	99
12) 1,3-Dichlorobenzene	6.834	146	1012705	41.498	ng	99
13) 1,4-Dichlorobenzene	6.910	146	1009763	41.066	ng	99
14) 1,2-Dichlorobenzene	7.063	146	938112	40.857	ng	100
15) Benzyl Alcohol	7.028	79	932679	42.564	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1447535	42.679	ng	99
17) 2-Methylphenol	7.134	107	796850	42.365	ng	100
18) Hexachloroethane	7.404	117	389901	42.366	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	748423	41.525	ng	99
20) 3+4-Methylphenols	7.292	107	979968	41.840	ng	# 85
22) Acetophenone	7.298	105	1345874	40.417	ng	98
24) Nitrobenzene	7.475	77	1047974	45.751	ng	100
25) Isophorone	7.710	82	1881562	40.944	ng	99
26) 2-Nitrophenol	7.787	139	462297	45.447	ng	99
27) 2,4-Dimethylphenol	7.816	122	708317	41.931	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1183035	40.357	ng	100
29) 2,4-Dichlorophenol	8.022	162	821536	42.157	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	870339	40.757	ng	100
31) Naphthalene	8.192	128	2800645	39.854	ng	100
32) Benzoic acid	7.939	122	635541	45.545	ng	99
33) 4-Chloroaniline	8.239	127	1033113	40.096	ng	99
34) Hexachlorobutadiene	8.310	225	544620	41.042	ng	99
35) Caprolactam	8.616	113	256209	42.737	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	905842	41.844	ng	100
37) 2-Methylnaphthalene	8.881	142	1830313	39.710	ng	99
38) 1-Methylnaphthalene	8.981	142	1752937	39.635	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	872629	40.086	ng	100
41) Hexachlorocyclopentadiene	9.039	237	354082	38.975	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	592786	42.156	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141801.D
 Acq On : 27 Feb 2025 19:45
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022725

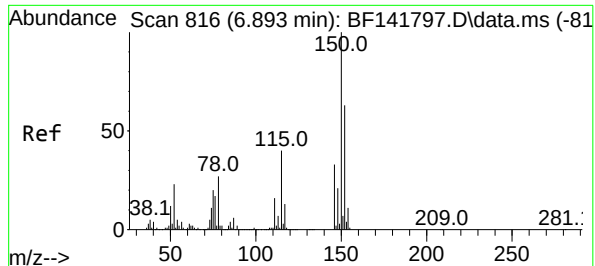
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	582125	41.806	ng	100
46) 1,1'-Biphenyl	9.351	154	2229687	38.864	ng	100
47) 2-Chloronaphthalene	9.375	162	1663643	39.288	ng	100
48) 2-Nitroaniline	9.463	65	514104	44.684	ng	99
49) Acenaphthylene	9.792	152	2533613	39.907	ng	100
50) Dimethylphthalate	9.651	163	2031698	40.250	ng	100
51) 2,6-Dinitrotoluene	9.710	165	425445	44.292	ng	97
52) Acenaphthene	9.963	154	1734464	40.488	ng	99
53) 3-Nitroaniline	9.881	138	449174	43.938	ng	95
54) 2,4-Dinitrophenol	9.981	184	176378	47.494	ng	# 1
55) Dibenzofuran	10.133	168	2456099	39.391	ng	100
56) 4-Nitrophenol	10.022	139	370704	49.725	ng	99
57) 2,4-Dinitrotoluene	10.110	165	536914	45.704	ng	99
58) Fluorene	10.475	166	1800318	38.547	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	515976	42.607	ng	100
60) Diethylphthalate	10.351	149	2018830	39.896	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	901998	38.546	ng	99
62) 4-Nitroaniline	10.492	138	421232	48.866	ng	99
63) Azobenzene	10.628	77	2141198	40.188	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	256241	45.441	ng	99
66) n-Nitrosodiphenylamine	10.586	169	1608263	40.431	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	574667	40.614	ng	99
68) Hexachlorobenzene	11.022	284	608067	40.697	ng	99
69) Atrazine	11.110	200	420733	38.463	ng	99
70) Pentachlorophenol	11.210	266	417260	44.032	ng	100
71) Phenanthrene	11.439	178	2557877	39.475	ng	100
72) Anthracene	11.486	178	2540876	39.126	ng	99
73) Carbazole	11.639	167	2254761	39.317	ng	100
74) Di-n-butylphthalate	11.975	149	2874276	39.540	ng	100
75) Fluoranthene	12.622	202	2552790	38.448	ng	100
77) Benzidine	12.739	184	657519	74.959	ng	99
78) Pyrene	12.851	202	2553211	42.307	ng	100
80) Butylbenzylphthalate	13.469	149	957186	43.655	ng	98
81) Benzo(a)anthracene	14.039	228	1852195	40.236	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	573075	43.392	ng	100
83) Chrysene	14.074	228	1718188	40.491	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1183508	43.350	ng	99
85) Di-n-octyl phthalate	14.645	149	1881499	46.033	ng	99
87) Indeno(1,2,3-cd)pyrene	17.015	276	1767077	43.754	ng	100
88) Benzo(b)fluoranthene	15.086	252	1710890	39.602	ng	99
89) Benzo(k)fluoranthene	15.121	252	1454422	39.608	ng	99
90) Benzo(a)pyrene	15.457	252	1416788	40.891	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	1440368	43.693	ng	100
92) Benzo(g,h,i)perylene	17.468	276	1484943	43.969	ng	99

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

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

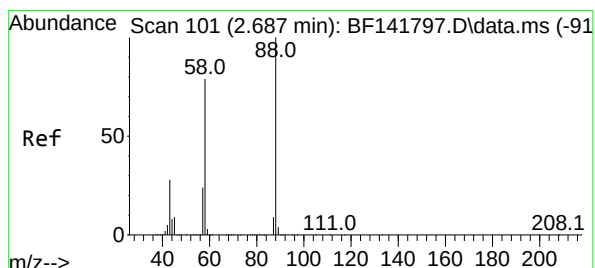
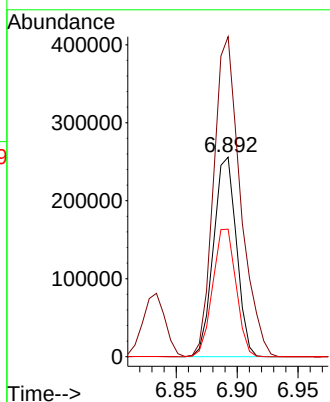
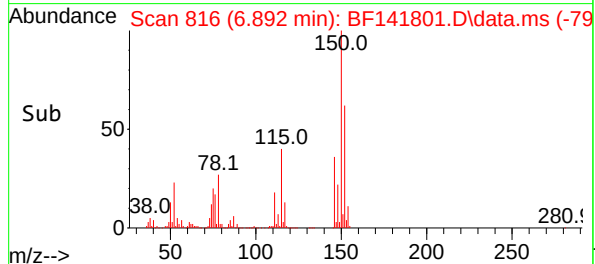
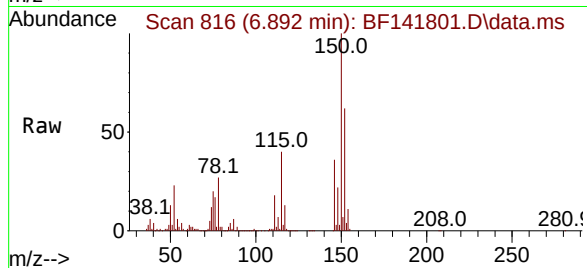
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

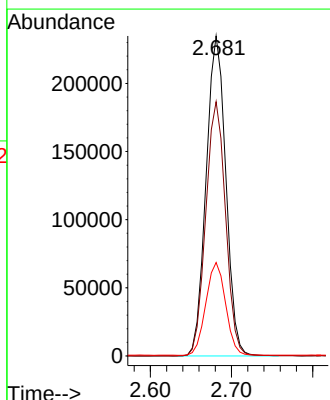
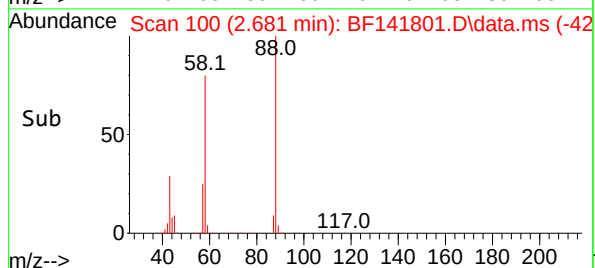
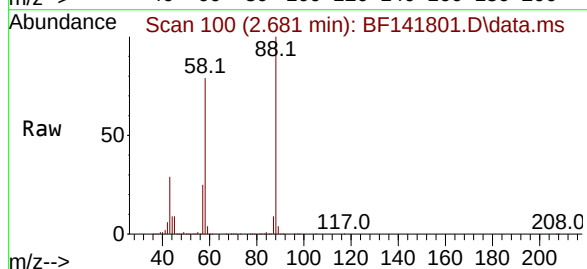
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

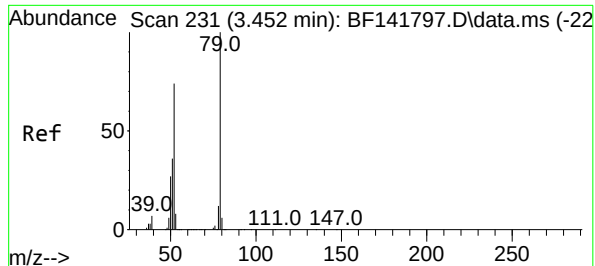
Tgt Ion:152 Resp: 336406
Ion Ratio Lower Upper
152 100
150 160.3 127.5 191.3
115 63.9 51.4 77.2



#2
1,4-Dioxane
Concen: 41.486 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 88 Resp: 396533
Ion Ratio Lower Upper
88 100
58 79.7 63.9 95.9
43 29.0 23.0 34.6





#3

Pyridine

Concen: 42.572 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

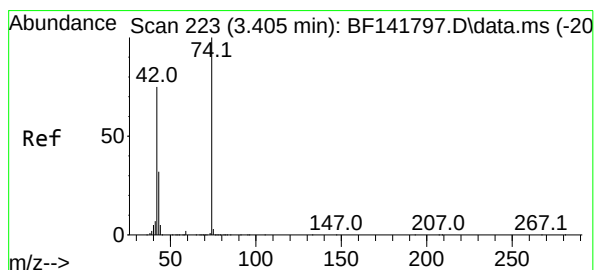
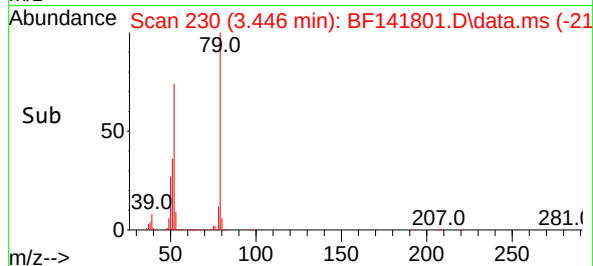
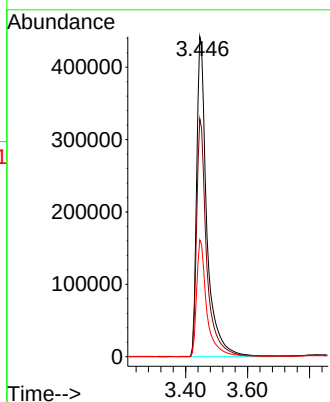
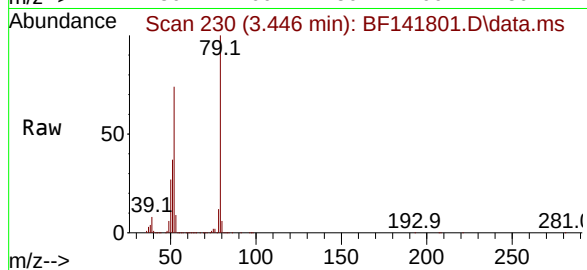
BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion: 79 Resp: 1012428

Ion	Ratio	Lower	Upper
79	100		
52	74.3	59.0	88.4
51	36.5	29.0	43.4



#4

n-Nitrosodimethylamine

Concen: 43.575 ng

RT: 3.404 min Scan# 223

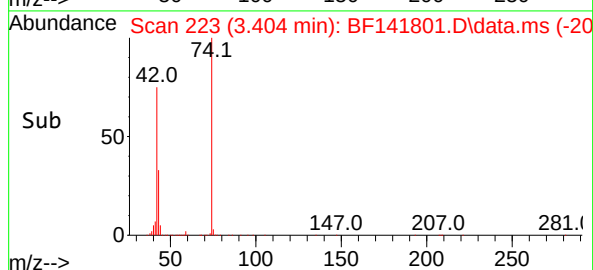
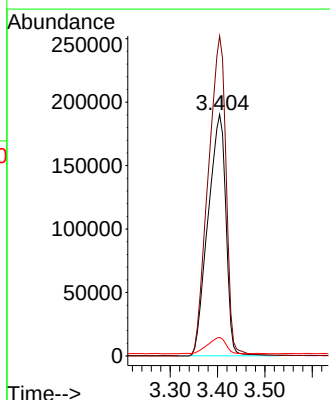
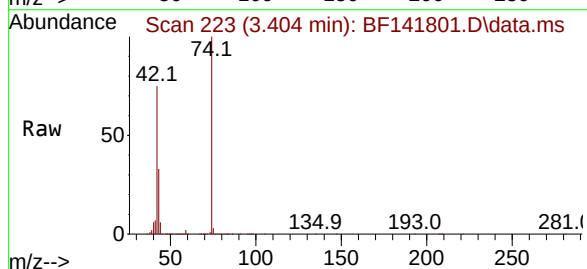
Delta R.T. -0.000 min

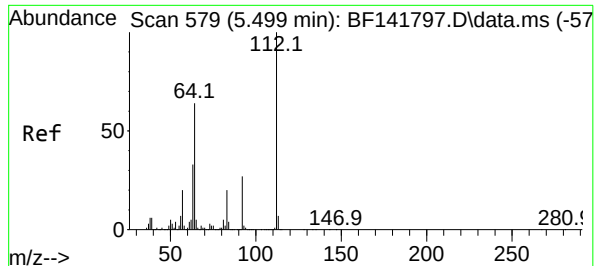
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 42 Resp: 498621

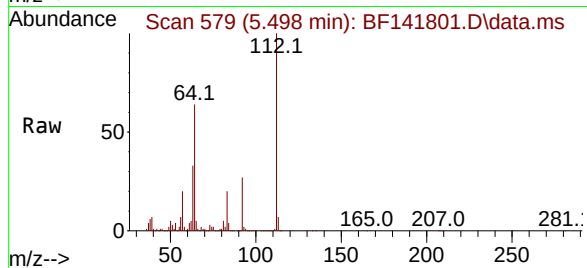
Ion	Ratio	Lower	Upper
42	100		
74	132.5	107.1	160.7
44	7.7	6.6	9.8



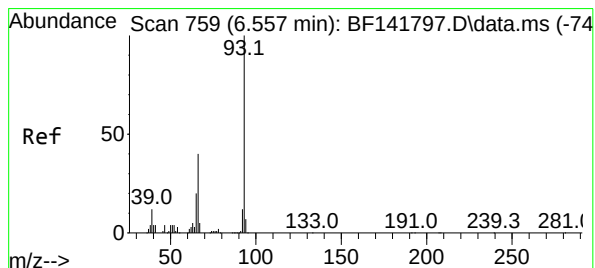
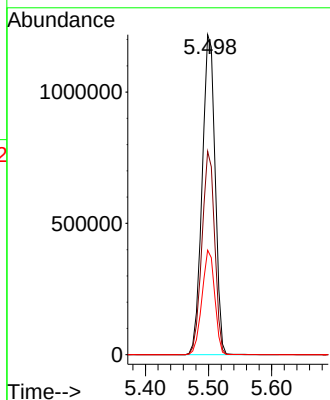
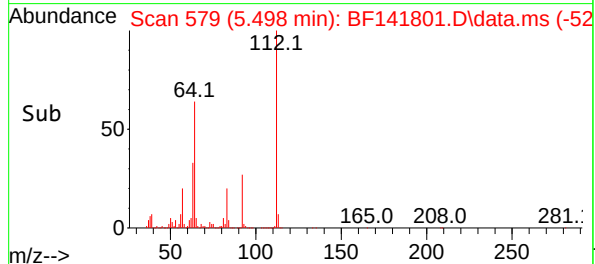


#5
2-Fluorophenol
Concen: 82.443 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

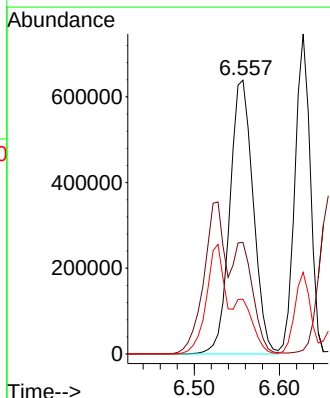
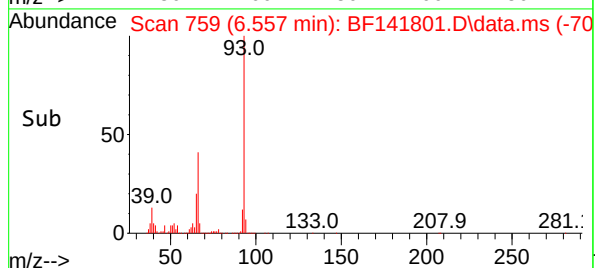
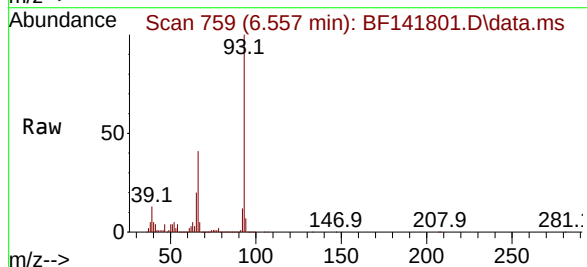


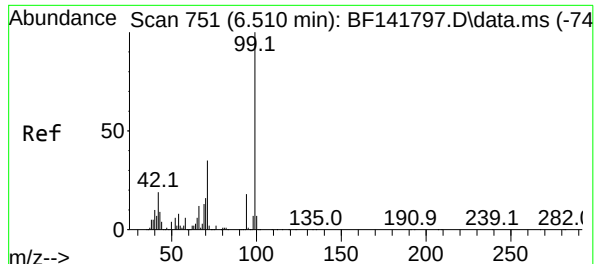
Tgt Ion:112 Resp: 1736670
Ion Ratio Lower Upper
112 100
64 63.5 51.3 76.9
63 32.6 26.2 39.4



#6
Aniline
Concen: 42.857 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 93 Resp: 1221626
Ion Ratio Lower Upper
93 100
66 40.7 32.3 48.5
65 20.0 15.9 23.9





#7

Phenol-d6

Concen: 83.039 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

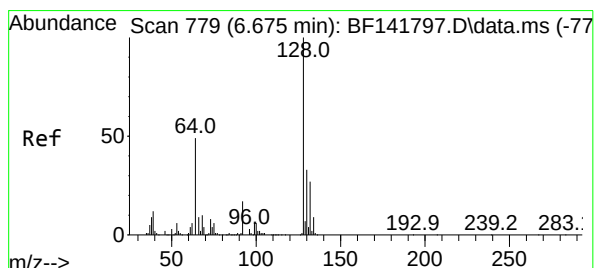
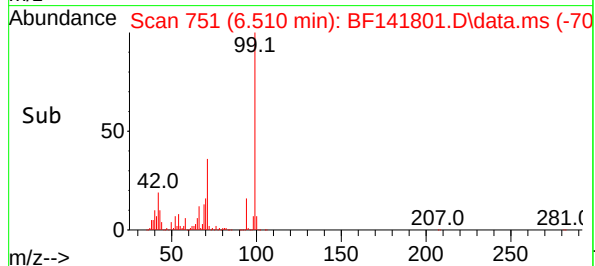
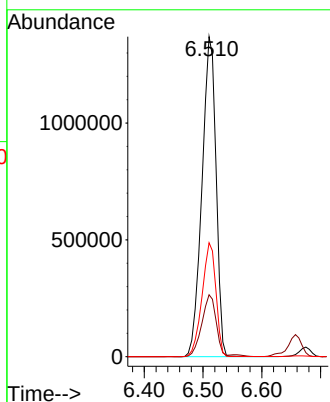
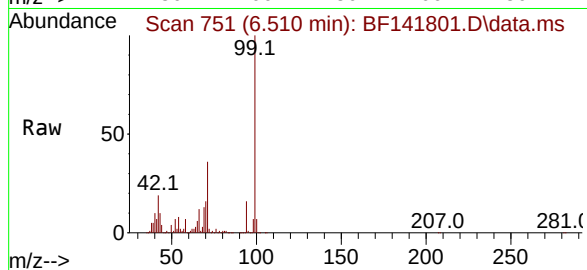
BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion: 99 Resp: 2276751

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.2	22.8
71	35.6	28.2	42.2



#8

2-Chlorophenol

Concen: 42.011 ng

RT: 6.675 min Scan# 779

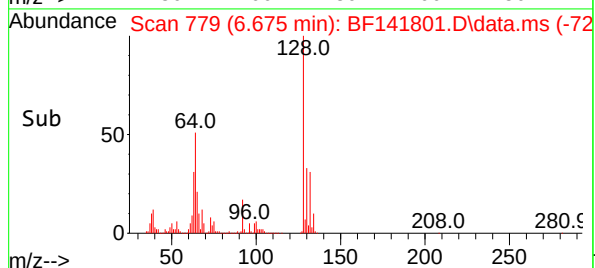
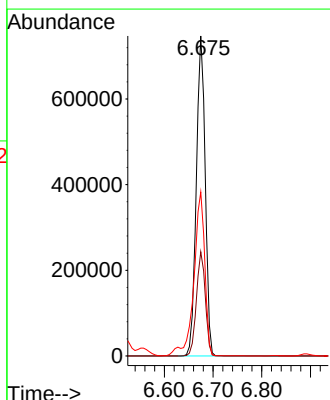
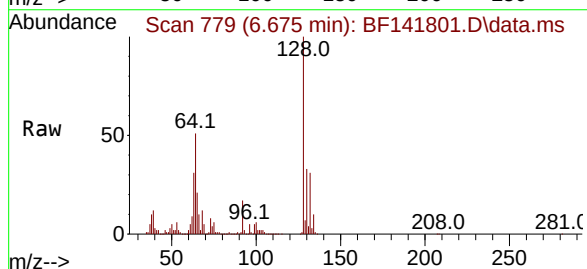
Delta R.T. -0.000 min

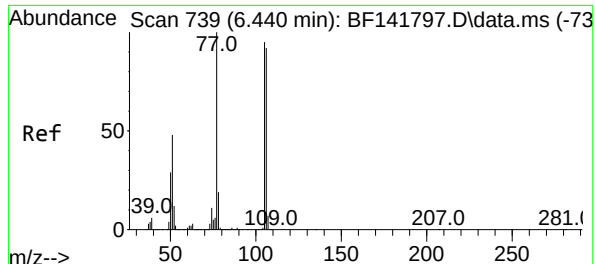
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 128 Resp: 957321

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	51.2	31.1	71.1





#9

Benzaldehyde

Concen: 43.684 ng

RT: 6.440 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

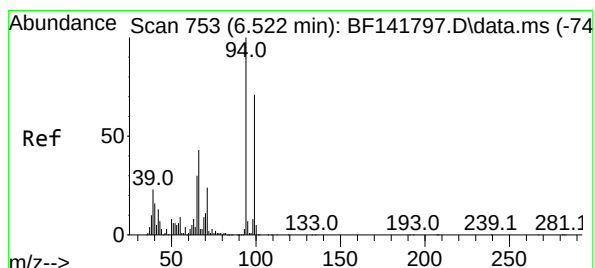
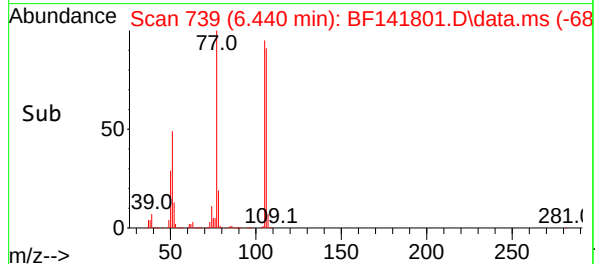
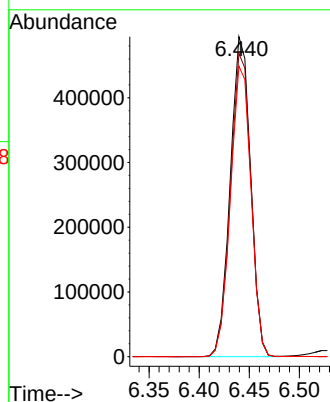
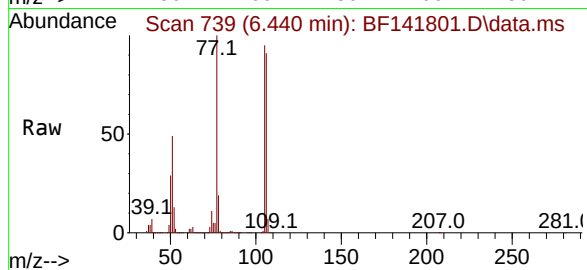
Tgt Ion: 77 Resp: 696694

Ion Ratio Lower Upper

77 100

105 94.8 75.3 115.3

106 90.8 72.3 112.3



#10

Phenol

Concen: 41.614 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

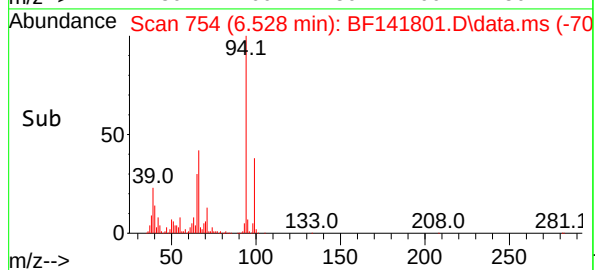
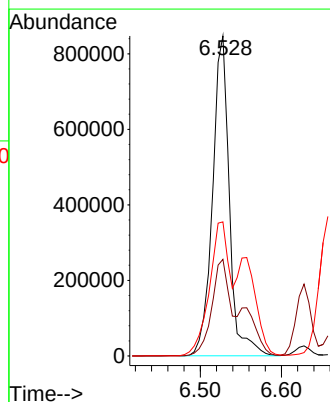
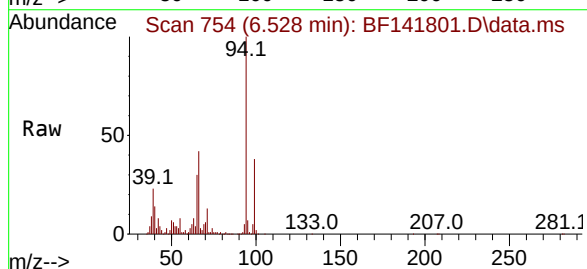
Tgt Ion: 94 Resp: 1219216

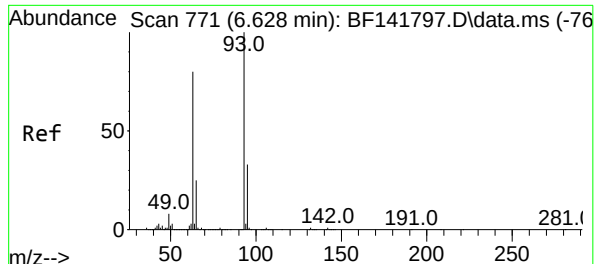
Ion Ratio Lower Upper

94 100

65 30.2 10.2 50.2

66 41.9 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 41.763 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

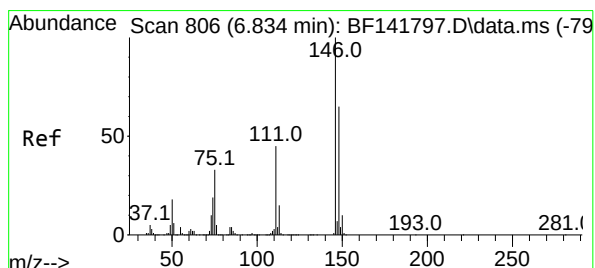
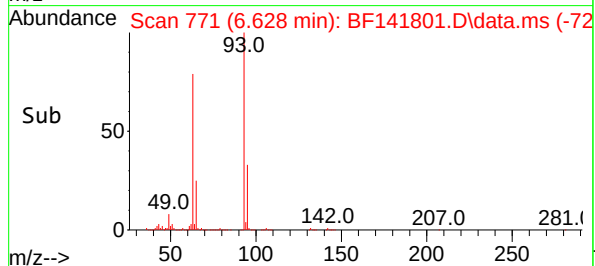
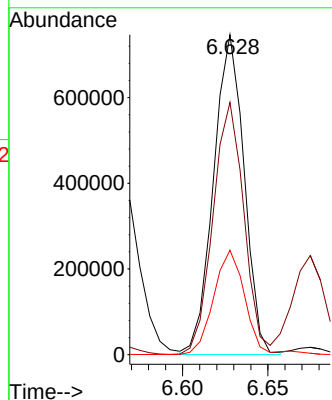
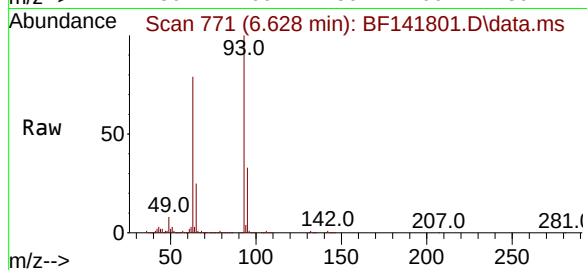
Tgt Ion: 93 Resp: 932690

Ion Ratio Lower Upper

93 100

63 78.9 59.3 99.3

95 32.6 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 41.498 ng

RT: 6.834 min Scan# 806

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

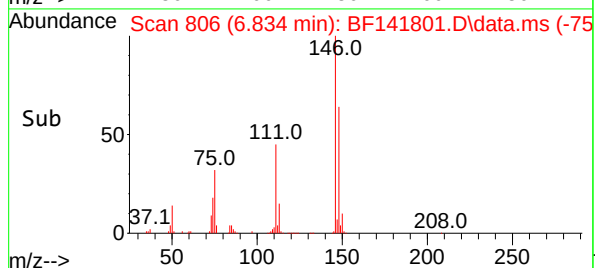
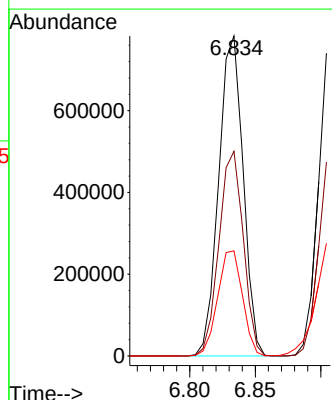
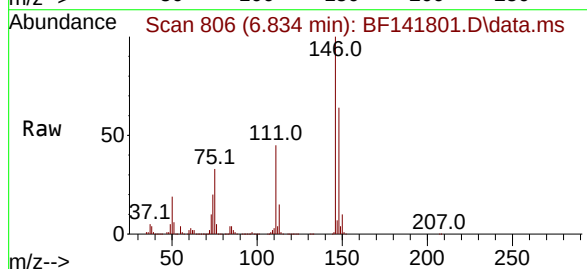
Tgt Ion: 146 Resp: 1012705

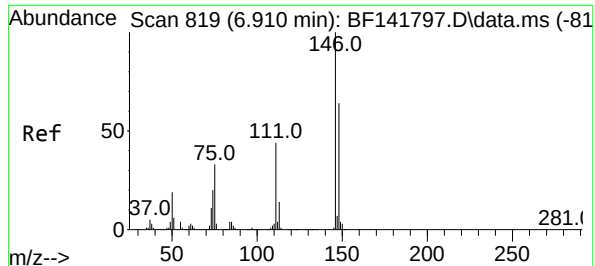
Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.6

75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 41.066 ng

RT: 6.910 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

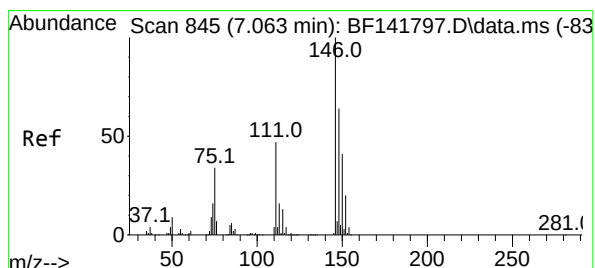
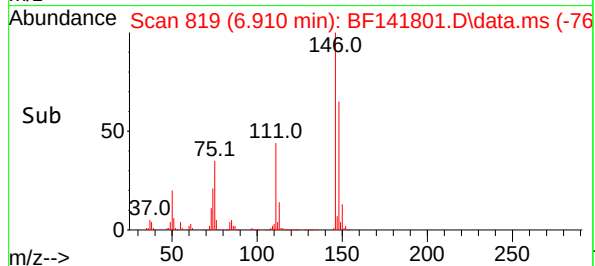
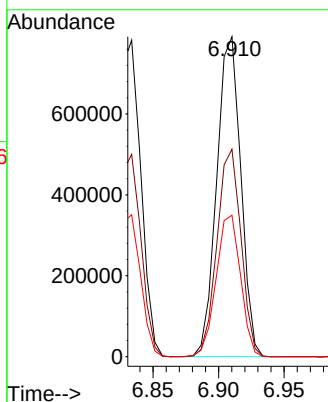
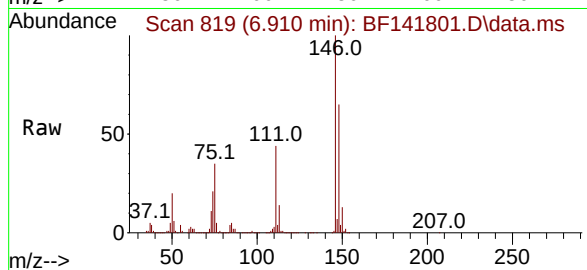
Tgt Ion:146 Resp: 1009763

Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.2

111 44.2 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 40.857 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

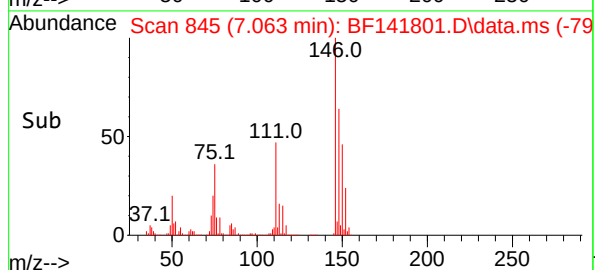
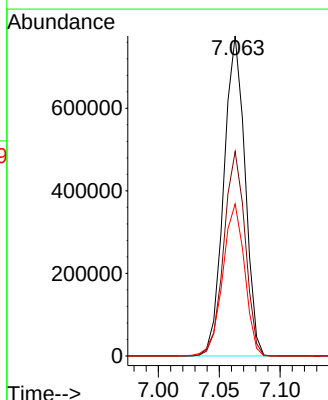
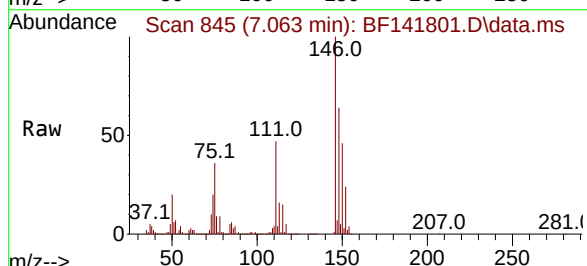
Tgt Ion:146 Resp: 938112

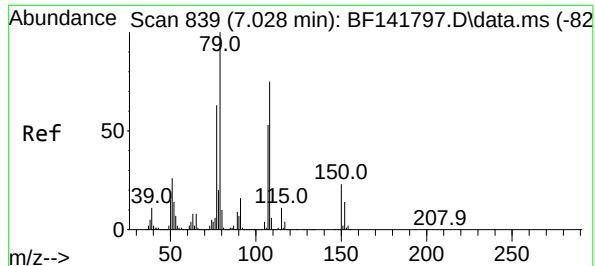
Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

111 47.5 37.8 56.6





#15

Benzyl Alcohol

Concen: 42.564 ng

RT: 7.028 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

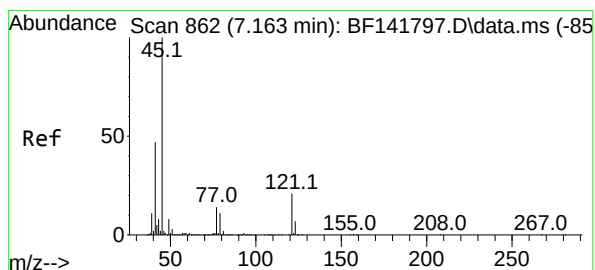
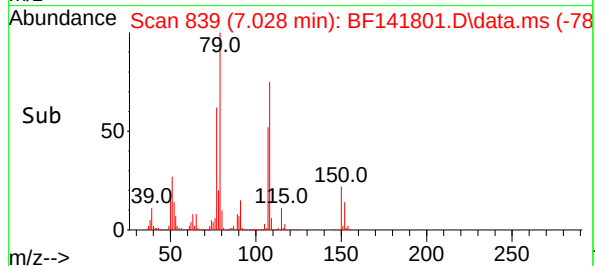
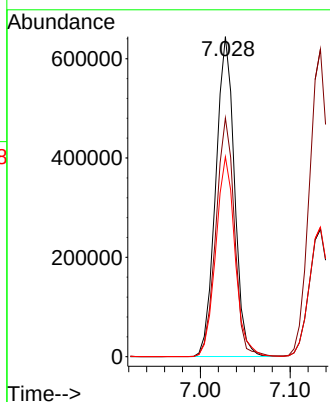
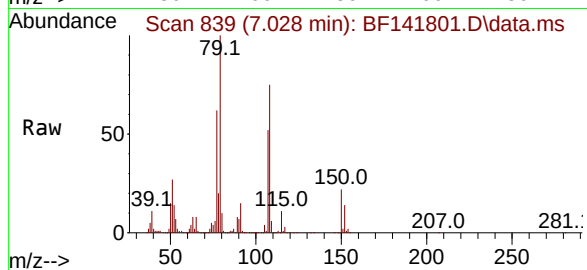
Tgt Ion: 79 Resp: 932679

Ion Ratio Lower Upper

79 100

108 74.6 60.2 90.2

77 62.5 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.679 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

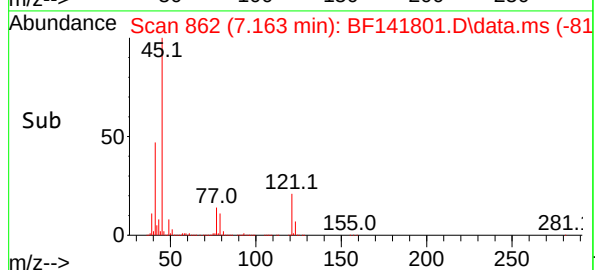
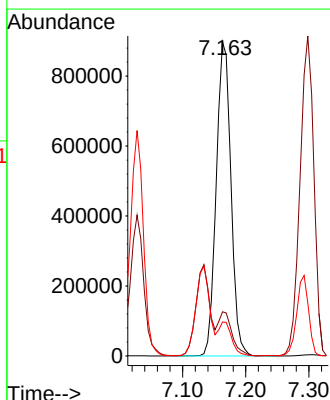
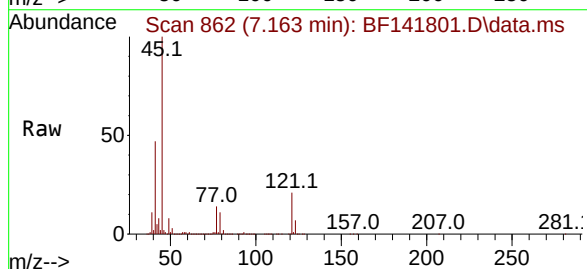
Tgt Ion: 45 Resp: 1447535

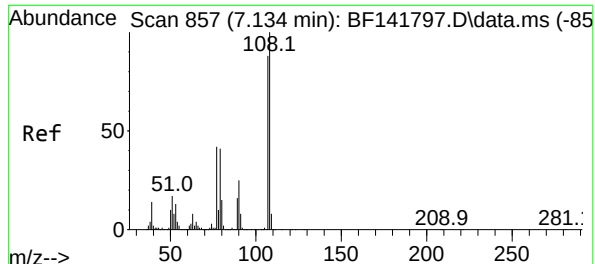
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.4

79 10.8 0.0 30.9

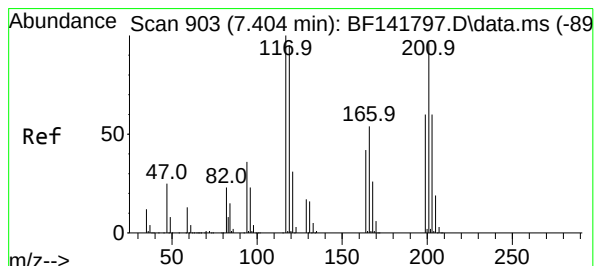
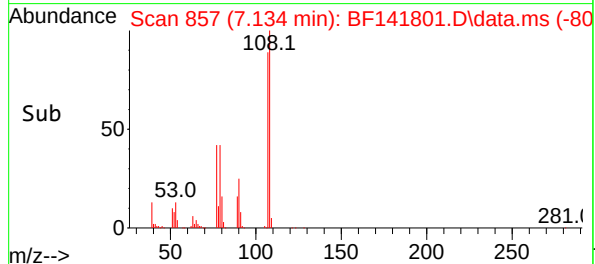
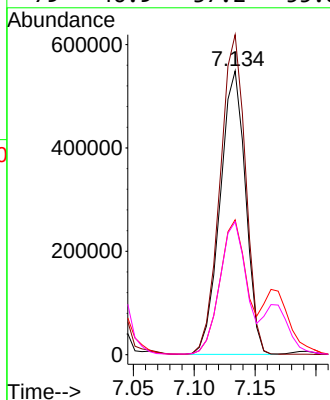
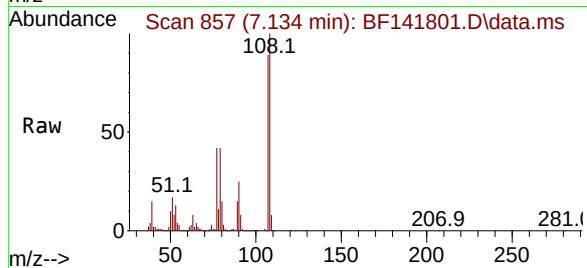




#17
2-Methylphenol
Concen: 42.365 ng
RT: 7.134 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

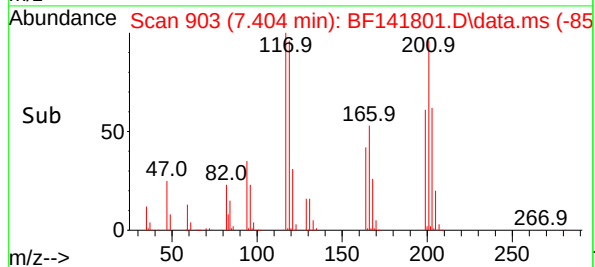
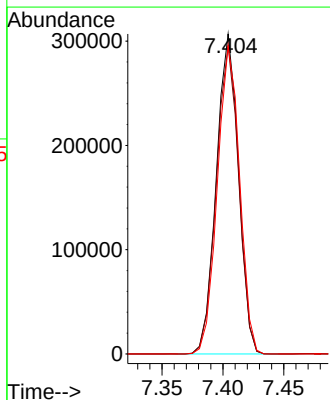
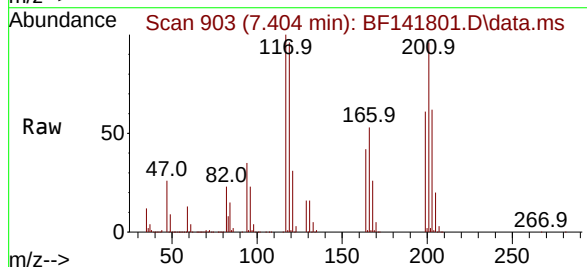
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

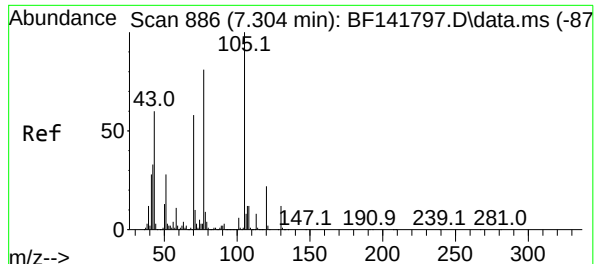
Tgt Ion:107 Resp: 796850
Ion Ratio Lower Upper
107 100
108 112.8 90.6 135.8
77 47.6 37.7 56.5
79 46.9 37.2 55.8



#18
Hexachloroethane
Concen: 42.366 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:117 Resp: 389901
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8
201 96.2 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 41.525 ng

RT: 7.310 min Scan# 887

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion: 70 Resp: 748423

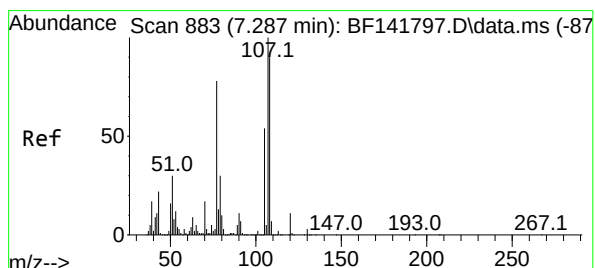
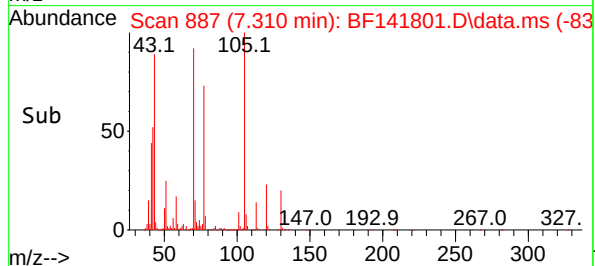
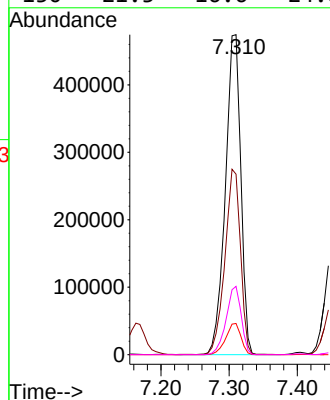
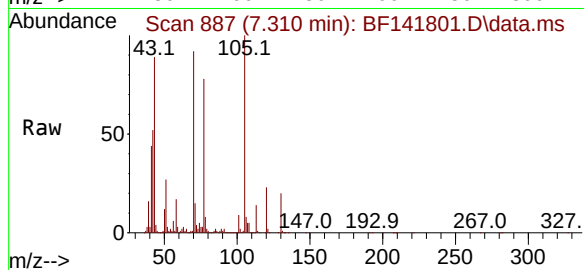
Ion Ratio Lower Upper

70 100

42 56.4 45.4 68.0

101 9.8 7.8 11.8

130 21.3 16.6 24.8



#20

3+4-Methylphenols

Concen: 41.840 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 107 Resp: 979968

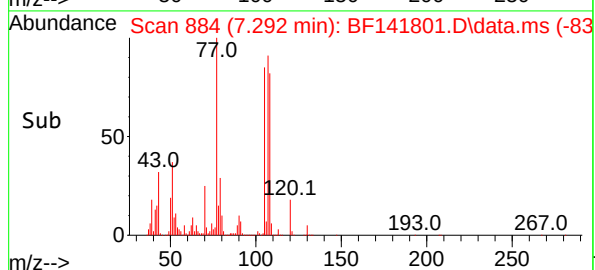
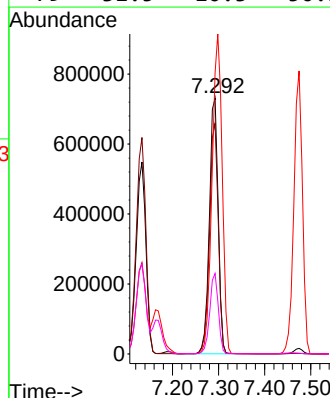
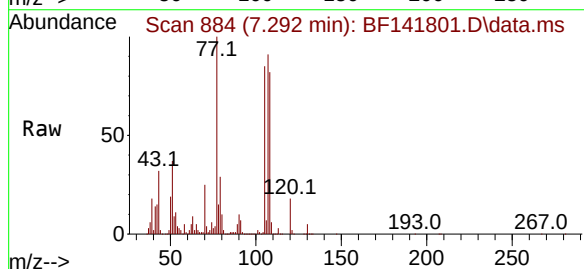
Ion Ratio Lower Upper

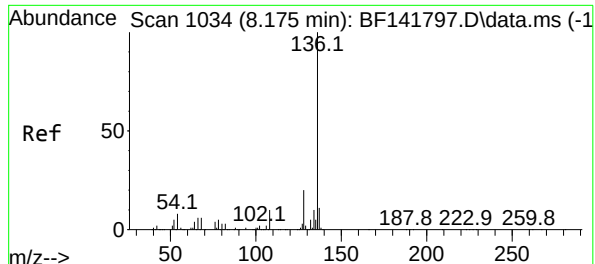
107 100

108 90.2 69.7 109.7

77 109.8 58.3 98.3#

79 31.5 10.3 50.3

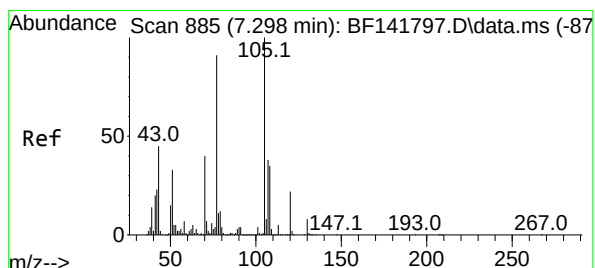
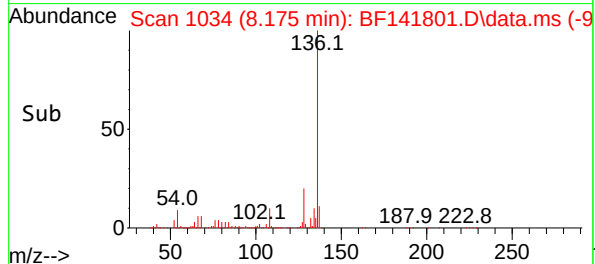
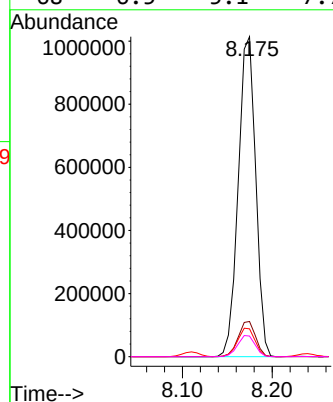
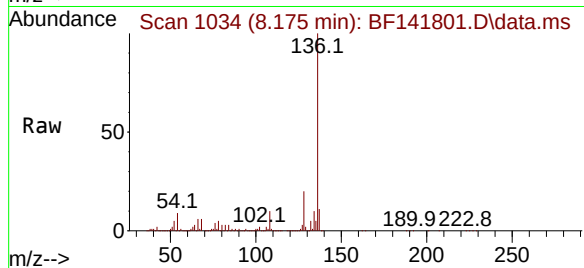




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

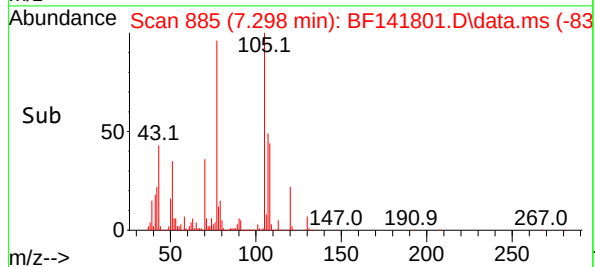
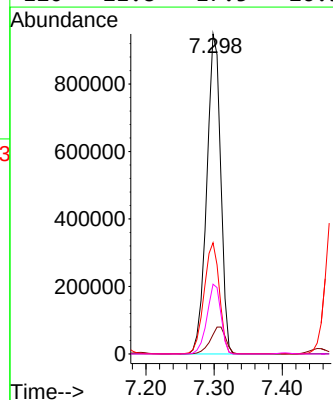
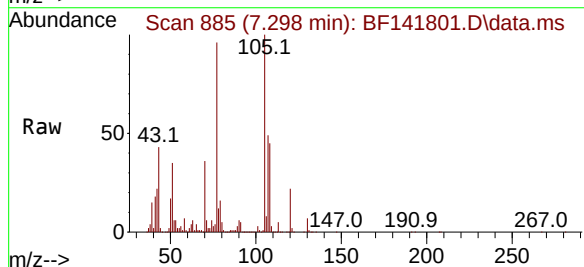
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

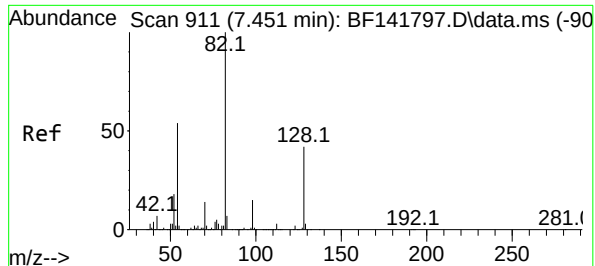
Tgt Ion:136 Resp: 1367272
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 6.9 10.3
68 6.5 5.1 7.7



#22
Acetophenone
Concen: 40.417 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:105 Resp: 1345874
Ion Ratio Lower Upper
105 100
71 6.1 5.4 8.0
51 34.8 26.1 39.1
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 94.707 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

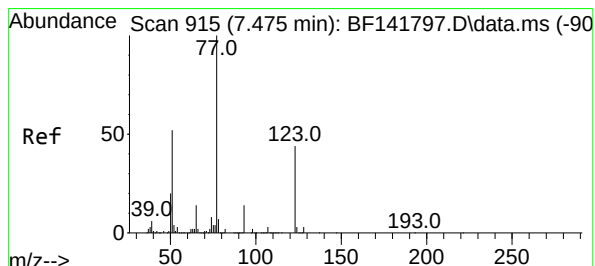
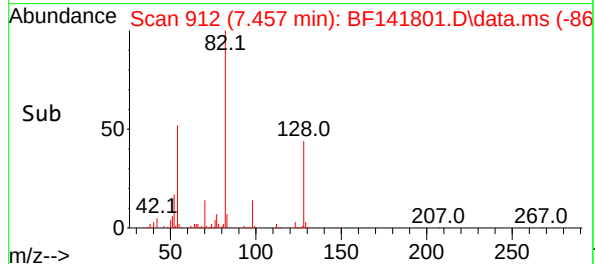
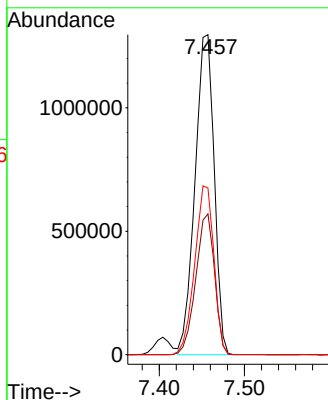
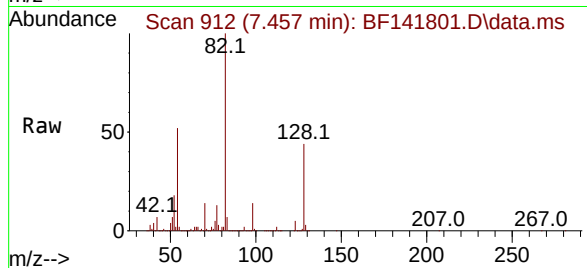
BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion: 82 Resp: 2025812

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	52.1	42.7	64.1



#24

Nitrobenzene

Concen: 45.751 ng

RT: 7.475 min Scan# 915

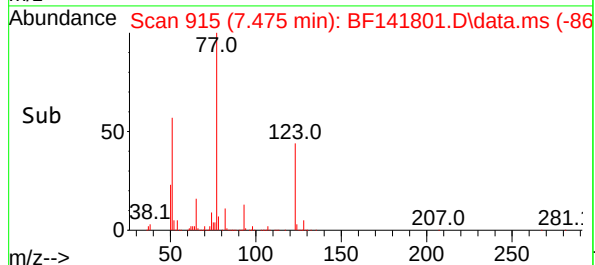
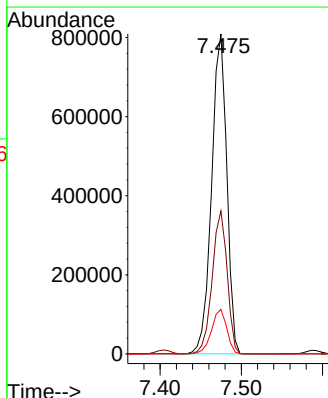
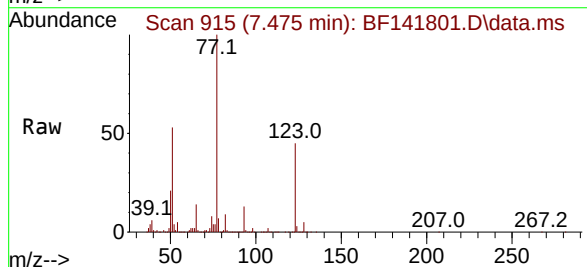
Delta R.T. -0.000 min

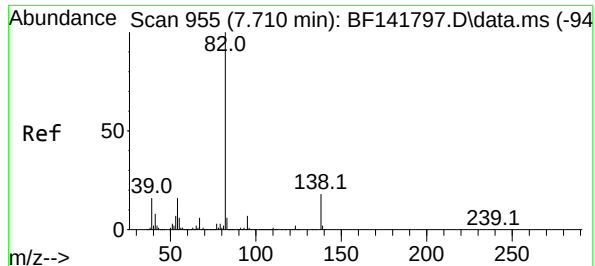
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion: 77 Resp: 1047974

Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.8	53.8
65	13.9	11.2	16.8

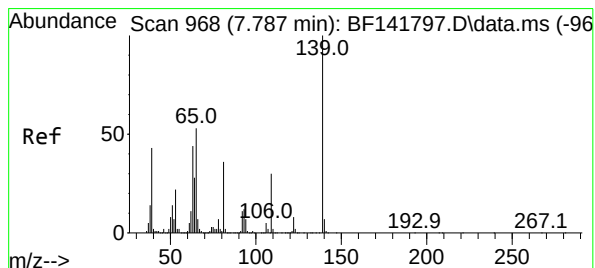
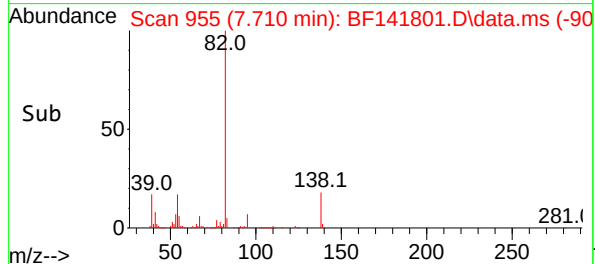
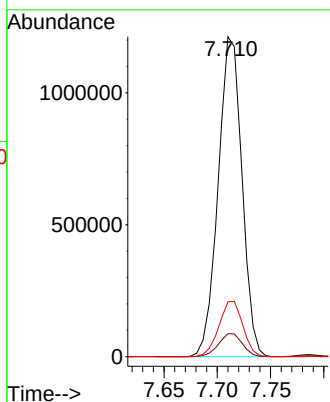
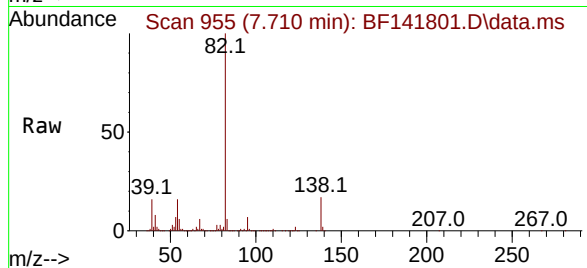




#25
Isophorone
Concen: 40.944 ng
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

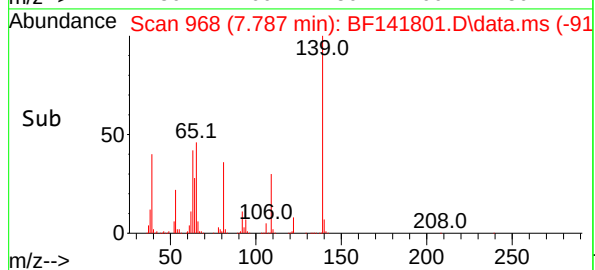
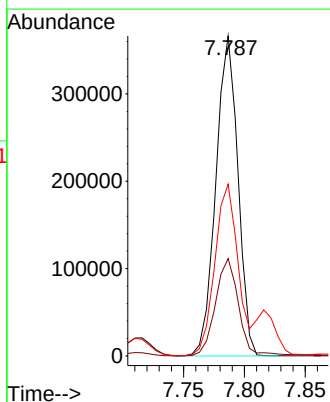
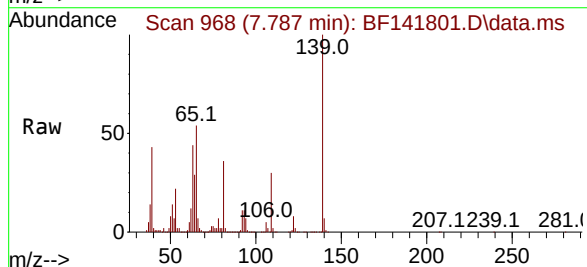
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

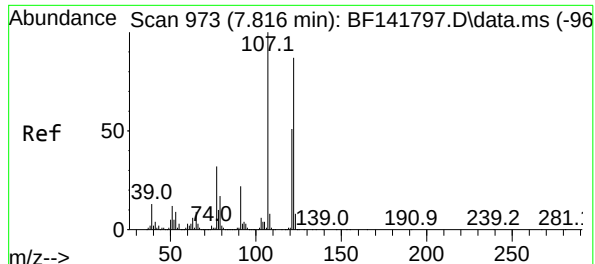
Tgt Ion: 82 Resp: 1881562
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 17.2 14.0 21.0



#26
2-Nitrophenol
Concen: 45.447 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 462297
Ion Ratio Lower Upper
139 100
109 30.5 24.1 36.1
65 53.7 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 41.931 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

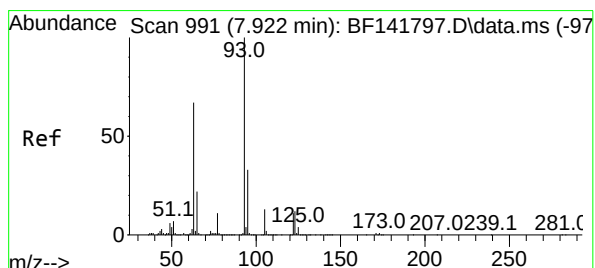
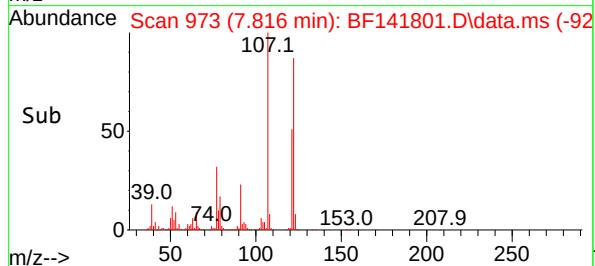
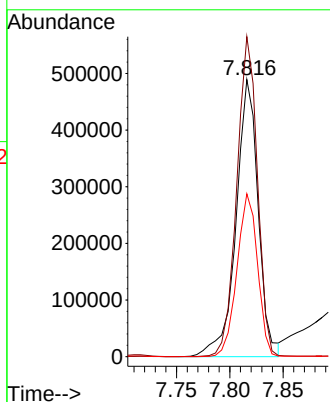
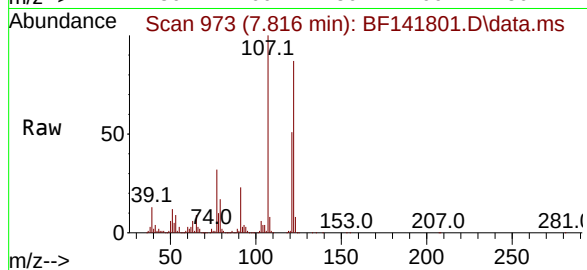
Tgt Ion:122 Resp: 708317

Ion Ratio Lower Upper

122 100

107 115.5 92.5 138.7

121 58.8 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 40.357 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

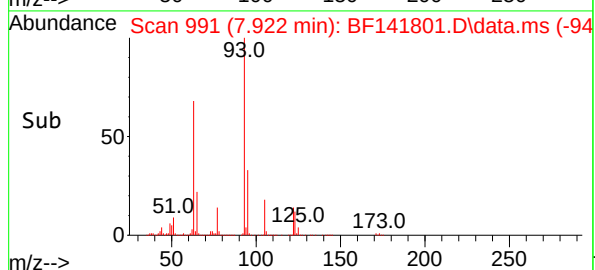
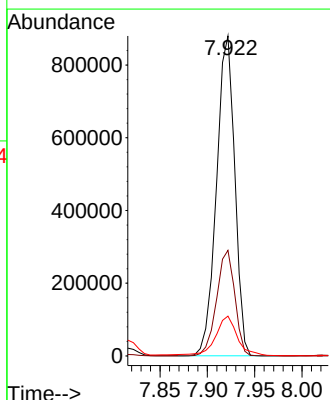
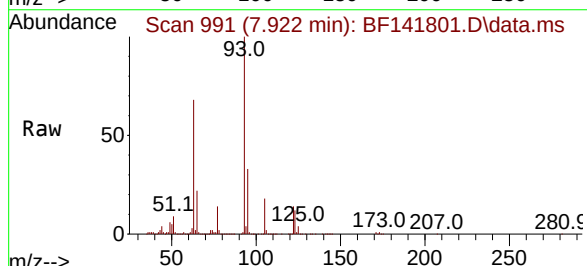
Tgt Ion: 93 Resp: 1183035

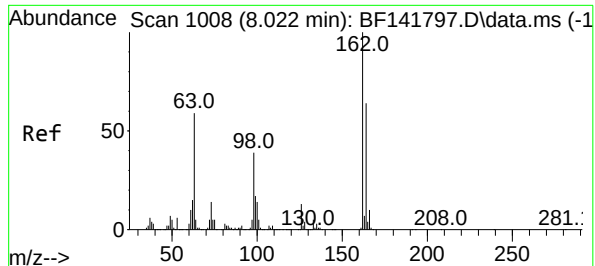
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.4 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.157 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

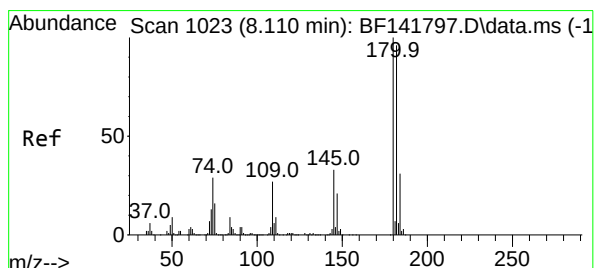
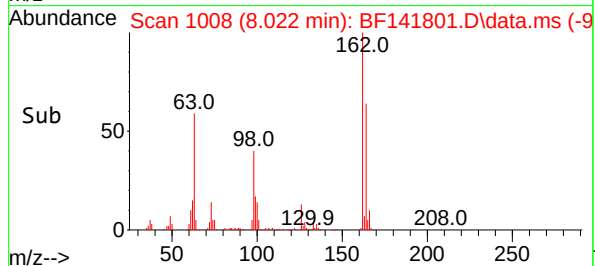
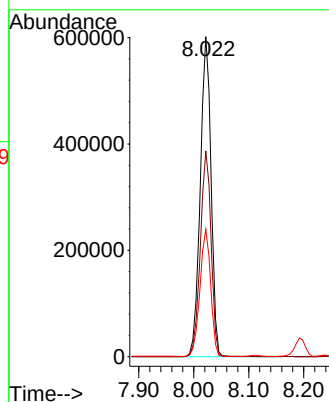
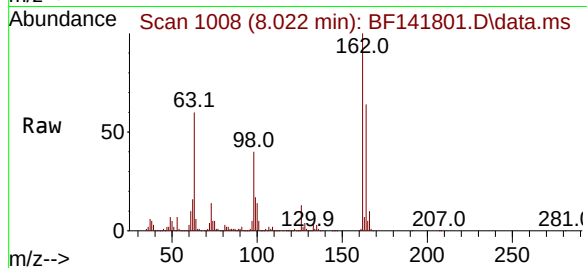
Tgt Ion:162 Resp: 821536

Ion Ratio Lower Upper

162 100

164 64.3 44.3 84.3

98 39.8 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 40.757 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

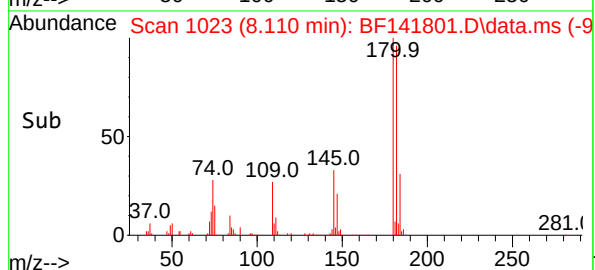
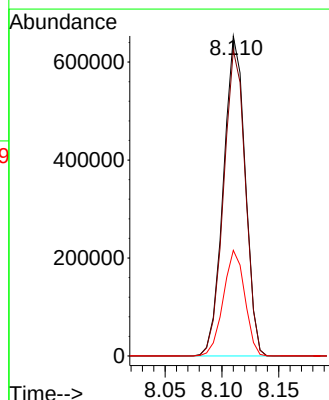
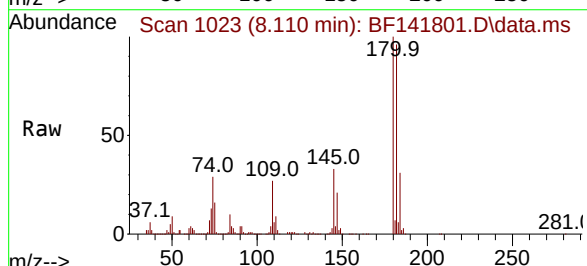
Tgt Ion:180 Resp: 870339

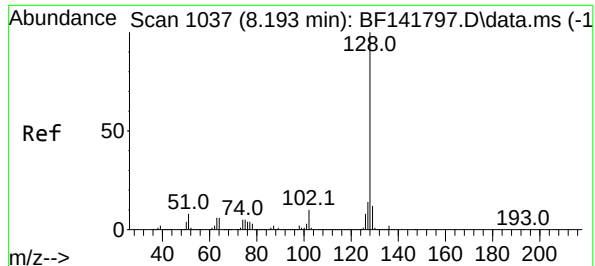
Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 33.0 26.4 39.6





#31

Naphthalene

Concen: 39.854 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

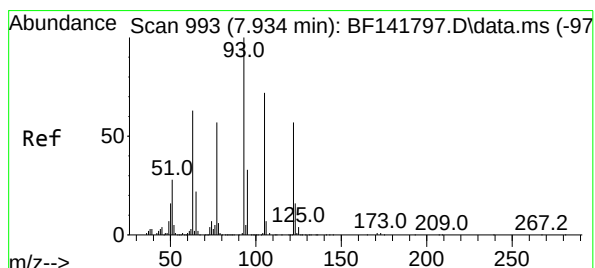
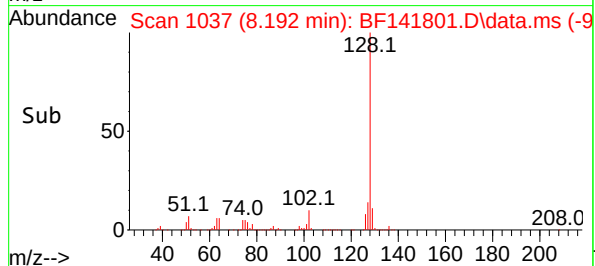
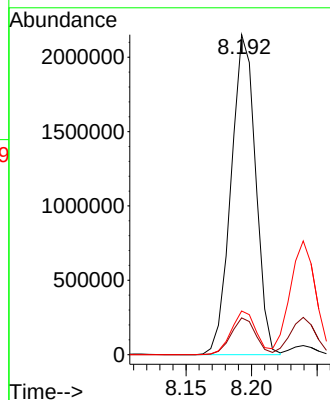
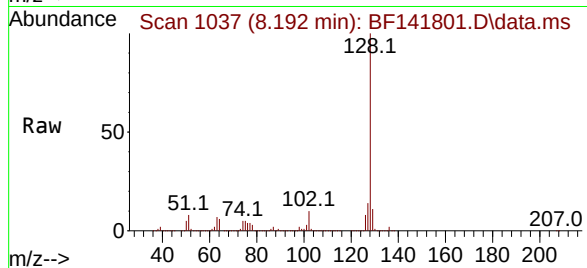
Tgt Ion:128 Resp: 2800645

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.7 11.0 16.4



#32

Benzoic acid

Concen: 45.545 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.005 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

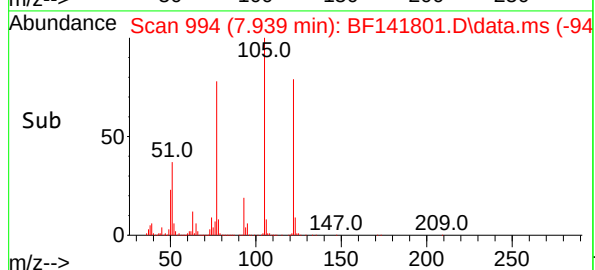
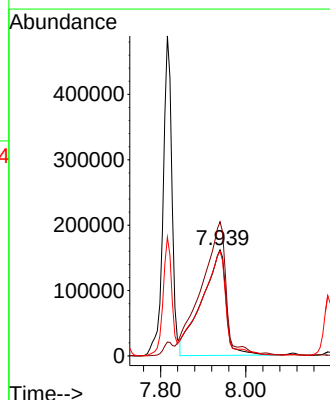
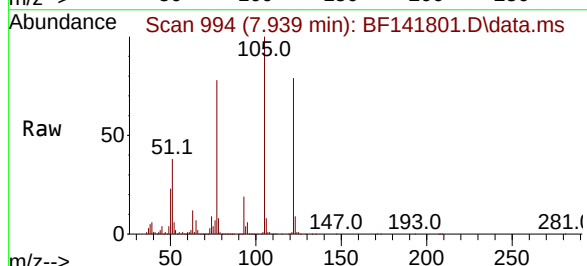
Tgt Ion:122 Resp: 635541

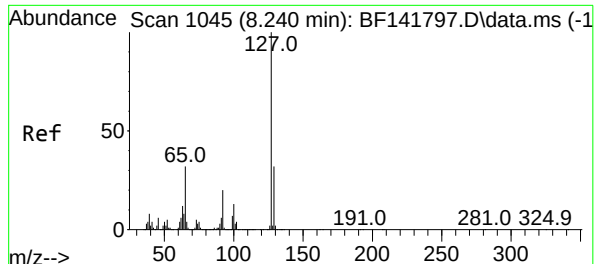
Ion Ratio Lower Upper

122 100

105 126.6 105.8 145.8

77 98.8 79.9 119.9



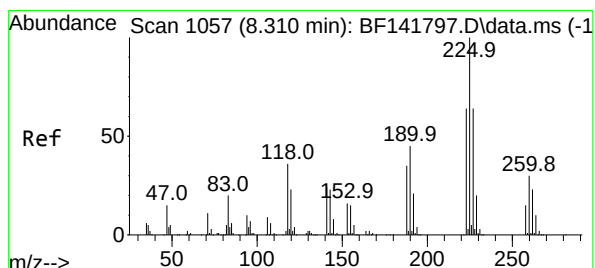
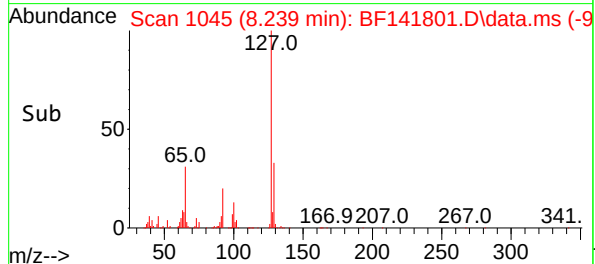
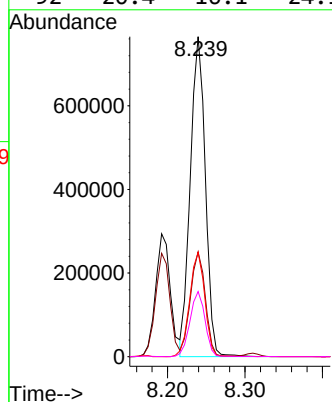
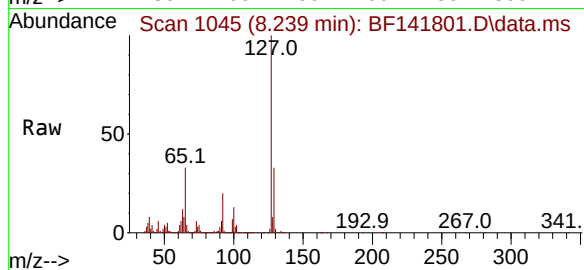


#33
4-Chloroaniline
Concen: 40.096 ng
RT: 8.239 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:127 Resp: 1033113

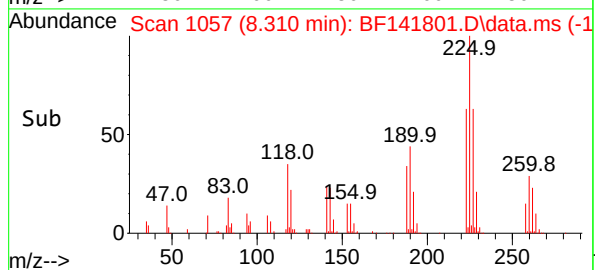
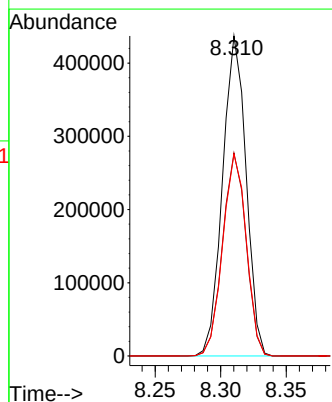
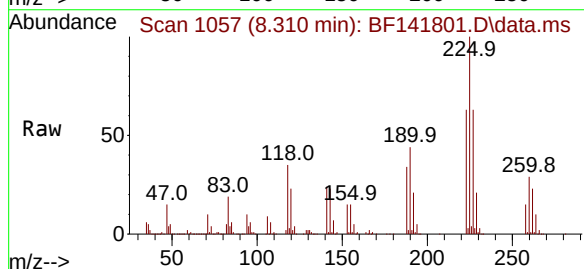
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.6	25.7	38.5
92	20.4	16.1	24.1

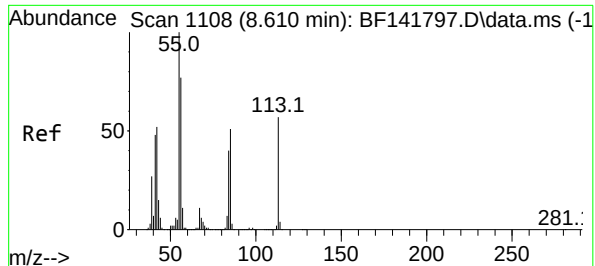


#34
Hexachlorobutadiene
Concen: 41.042 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:225 Resp: 544620

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.4	77.2
227	63.0	51.6	77.4

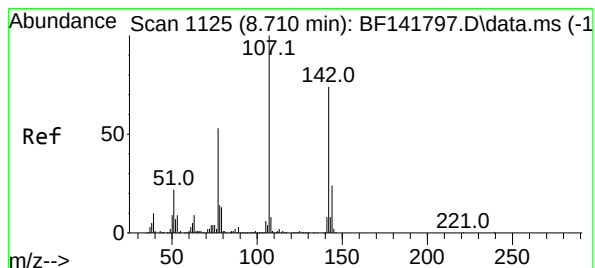
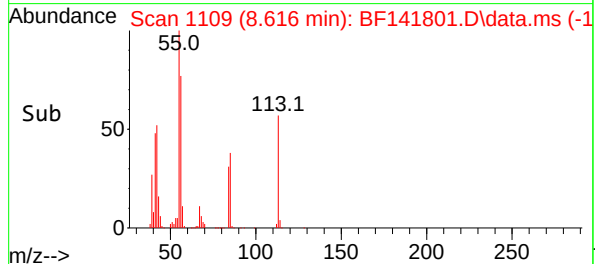
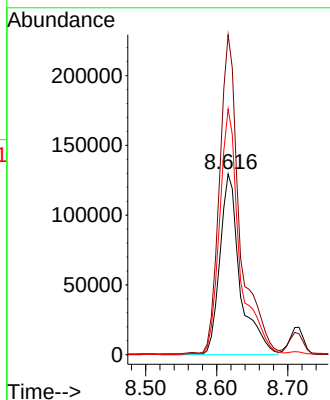
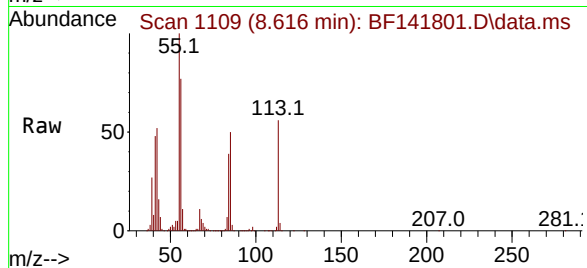




#35
Caprolactam
Concen: 42.737 ng
RT: 8.616 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

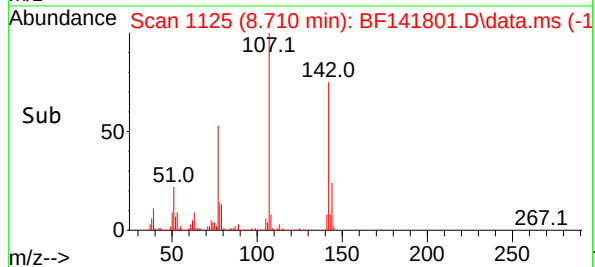
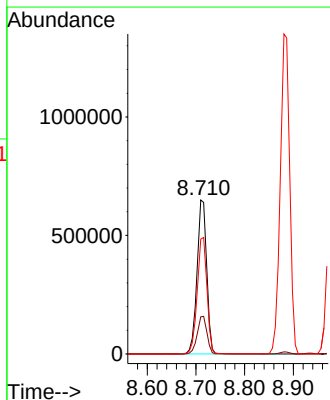
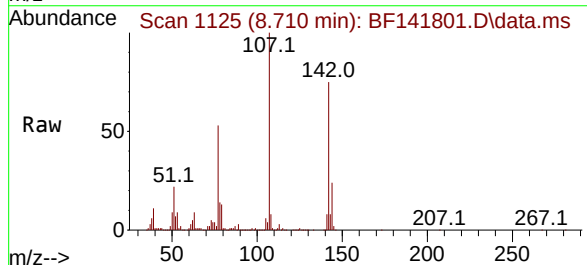
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

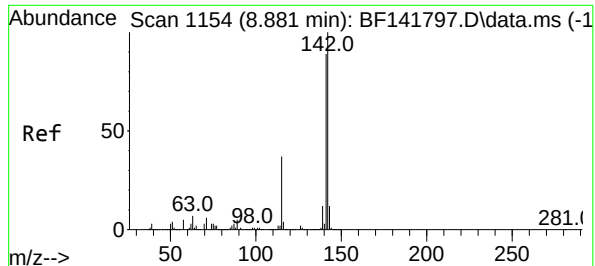
Tgt Ion:113 Resp: 256209
Ion Ratio Lower Upper
113 100
55 177.0 155.6 195.6
56 135.9 114.6 154.6



#36
4-Chloro-3-methylphenol
Concen: 41.844 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:107 Resp: 905842
Ion Ratio Lower Upper
107 100
144 24.1 19.4 29.0
142 74.6 59.4 89.0

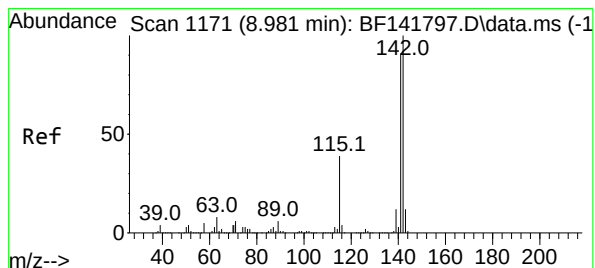
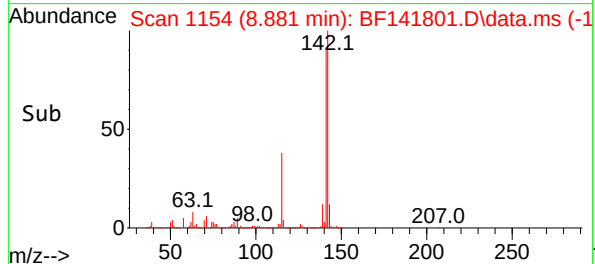
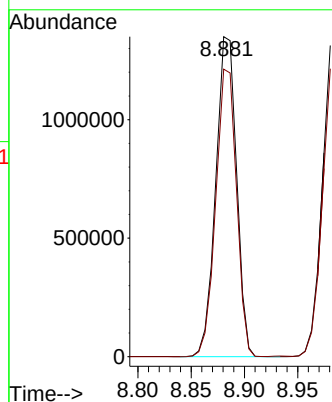
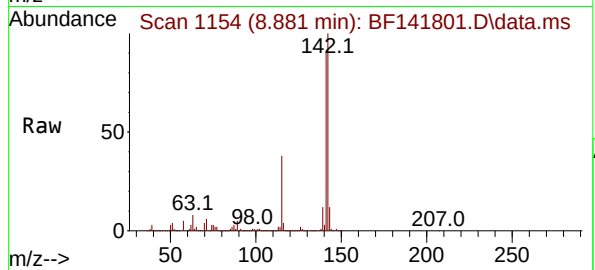




#37
2-Methylnaphthalene
Concen: 39.710 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

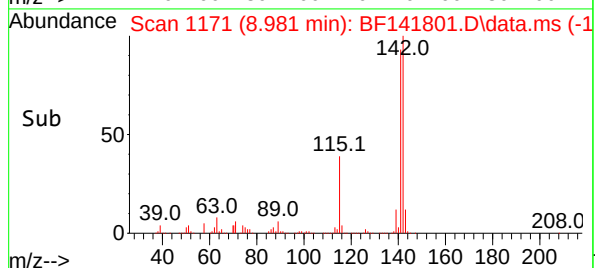
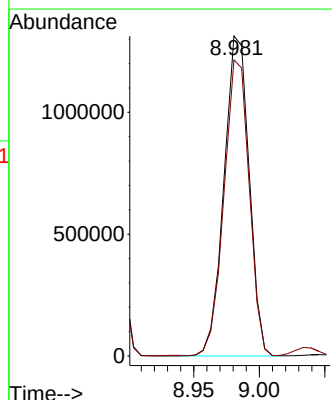
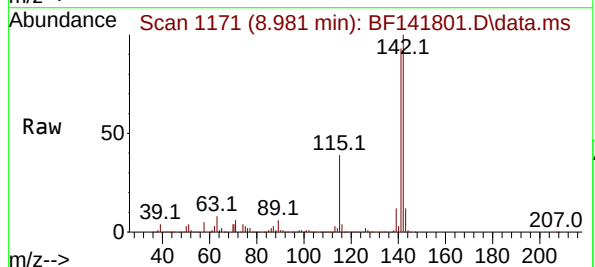
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

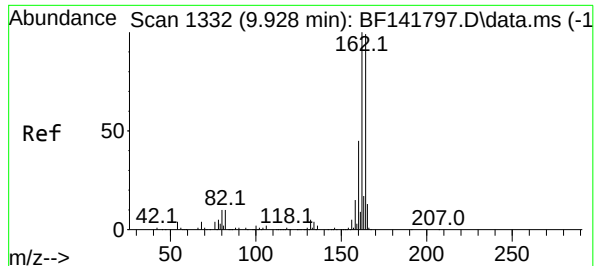
Tgt Ion:142 Resp: 1830313
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7



#38
1-Methylnaphthalene
Concen: 39.635 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:142 Resp: 1752937
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

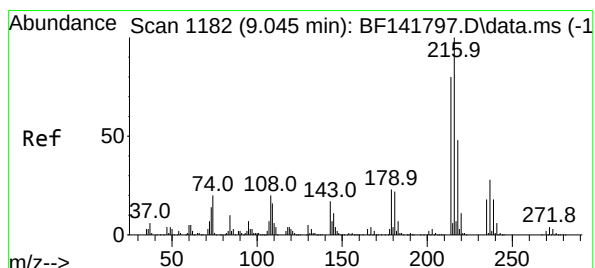
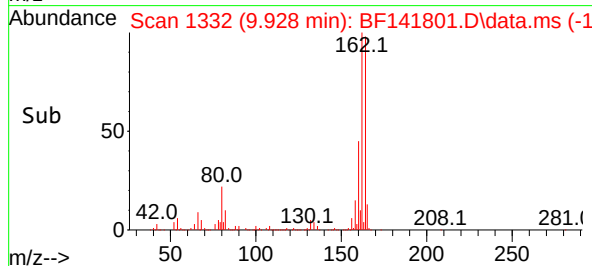
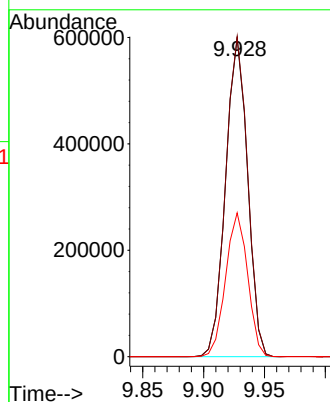
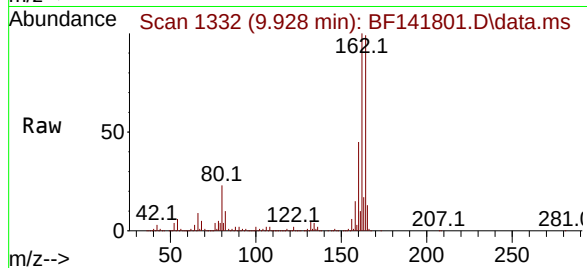
Tgt Ion:164 Resp: 753741

Ion Ratio Lower Upper

164 100

162 100.6 80.6 120.8

160 45.2 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.086 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:216 Resp: 872629

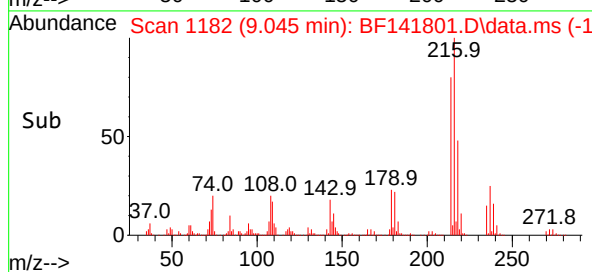
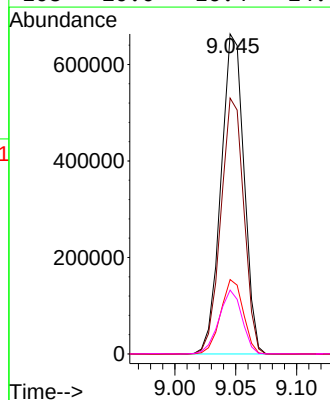
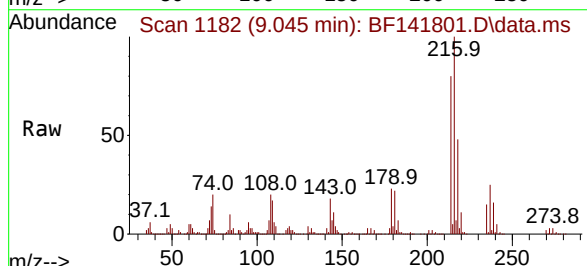
Ion Ratio Lower Upper

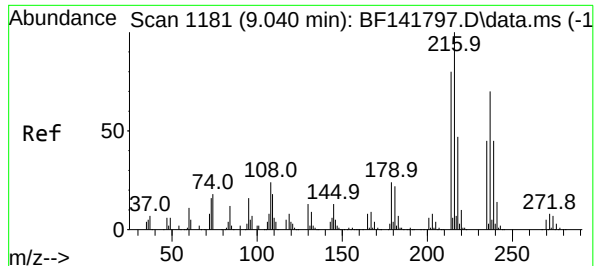
216 100

214 79.7 63.5 95.3

179 22.8 18.1 27.1

108 20.0 16.4 24.6

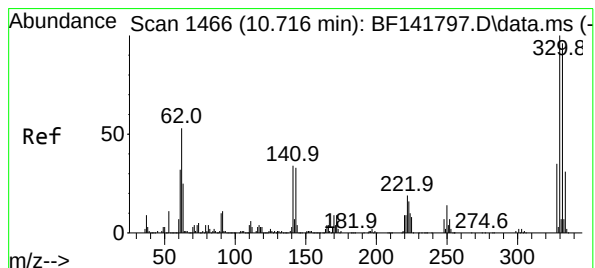
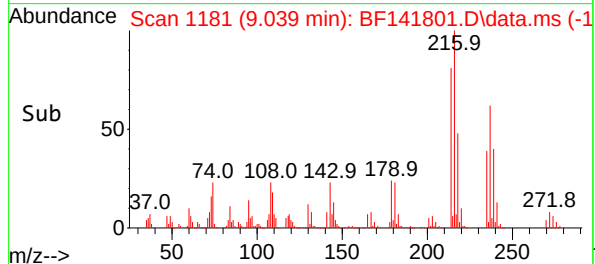
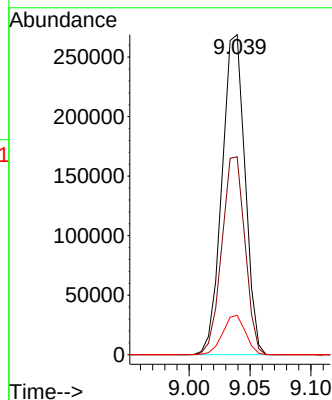
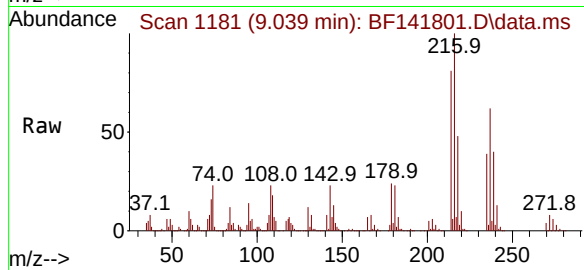




#41
Hexachlorocyclopentadiene
Concen: 38.975 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

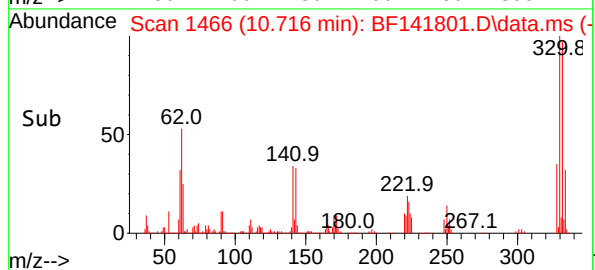
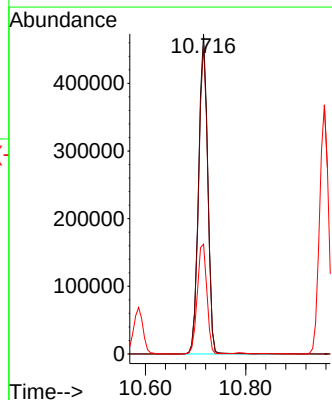
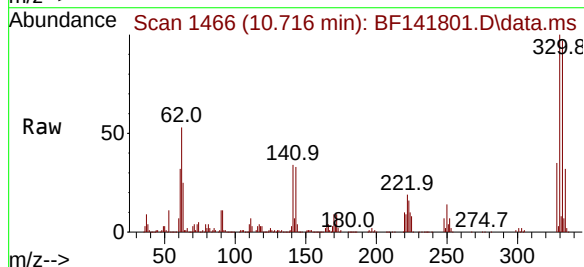
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

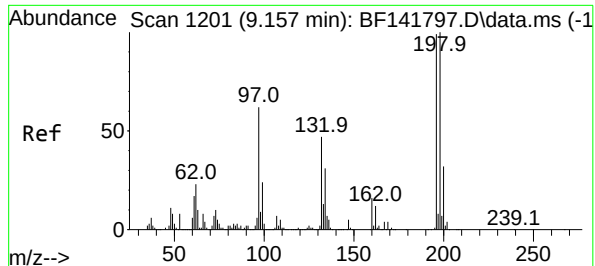
Tgt Ion:237 Resp: 354082
Ion Ratio Lower Upper
237 100
235 61.8 43.3 83.3
272 12.3 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 84.321 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:330 Resp: 596677
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 36.1 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 42.156 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

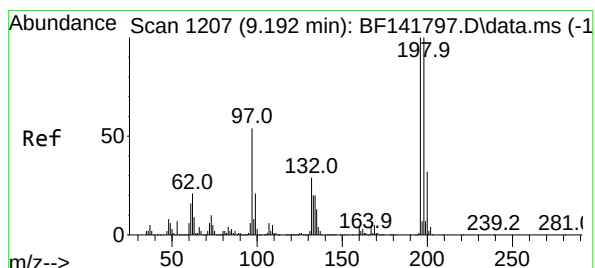
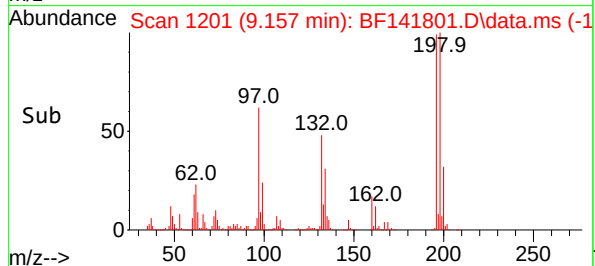
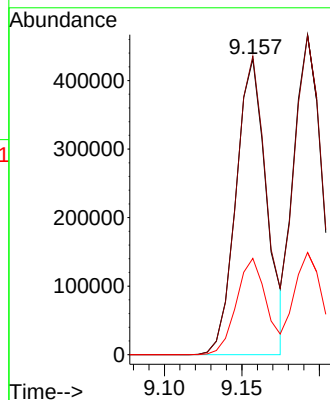
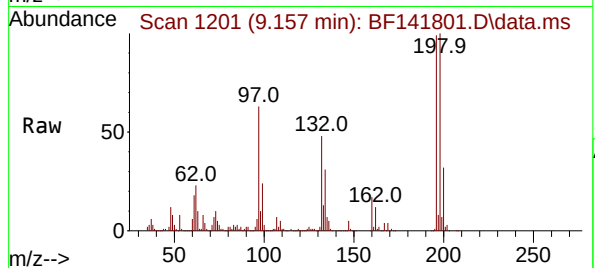
Tgt Ion:196 Resp: 592786

Ion Ratio Lower Upper

196 100

198 101.0 80.4 120.6

200 32.6 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 41.806 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:196 Resp: 582125

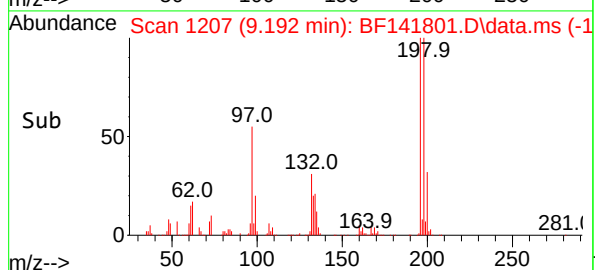
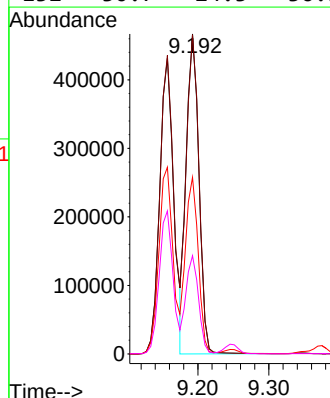
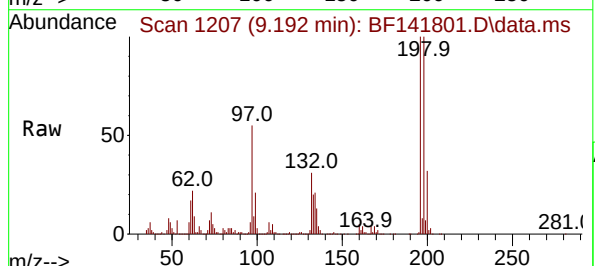
Ion Ratio Lower Upper

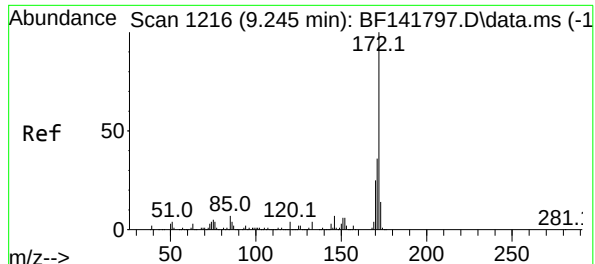
196 100

198 99.8 79.7 119.5

97 55.2 44.2 66.2

132 30.7 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 75.957 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

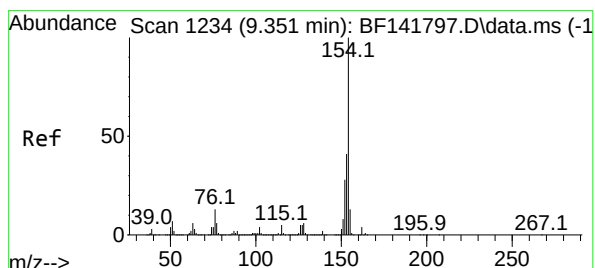
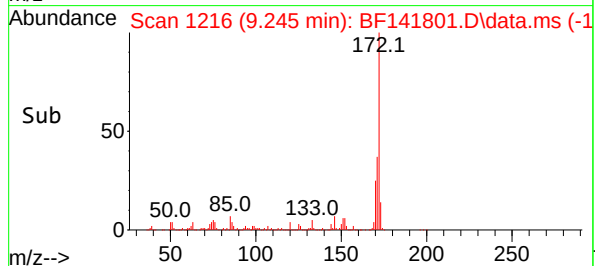
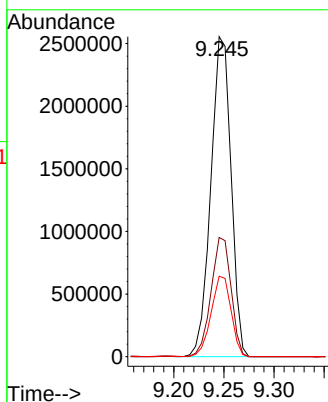
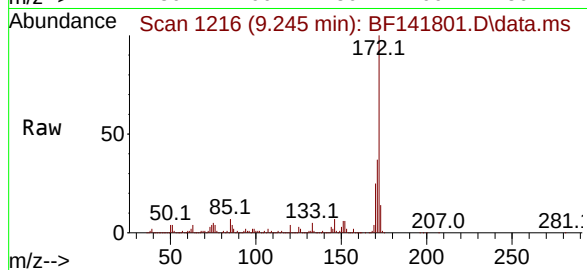
BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion:172 Resp: 3570541

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.2	43.8
170	25.1	19.7	29.5



#46

1,1'-Biphenyl

Concen: 38.864 ng

RT: 9.351 min Scan# 1234

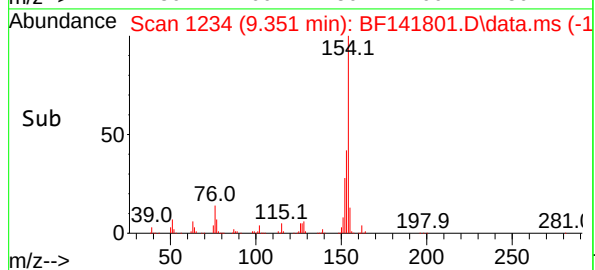
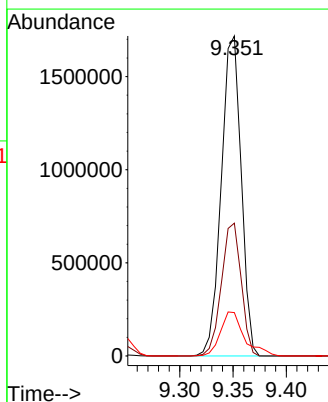
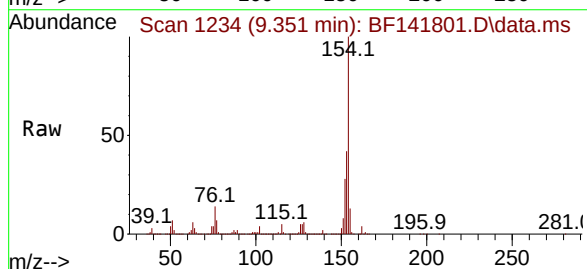
Delta R.T. -0.000 min

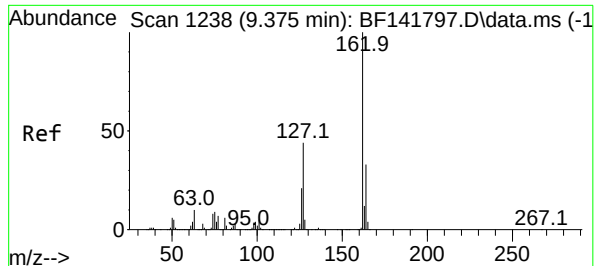
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:154 Resp: 2229687

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.4	61.4
76	13.6	0.0	33.4





#47

2-Chloronaphthalene

Concen: 39.288 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

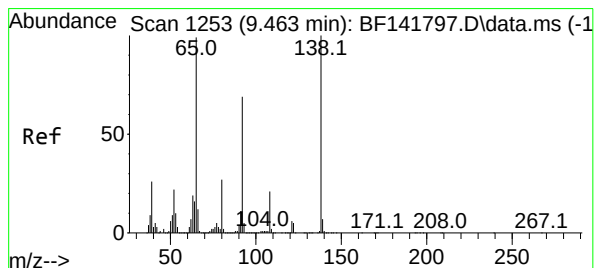
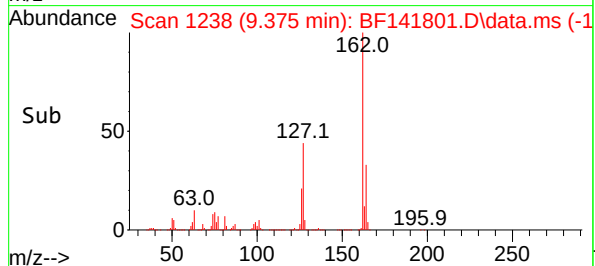
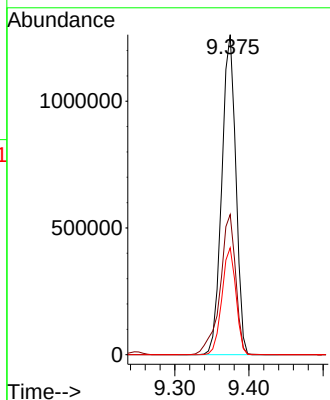
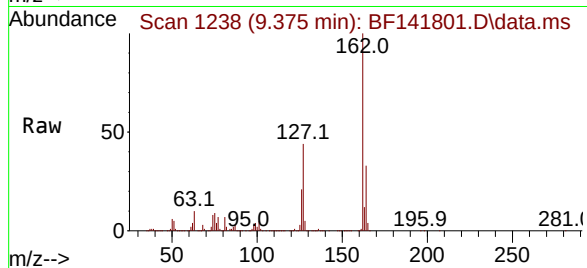
Tgt Ion:162 Resp: 1663643

Ion Ratio Lower Upper

162 100

127 43.8 35.0 52.6

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 44.684 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

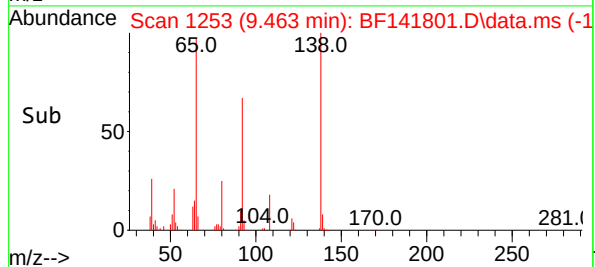
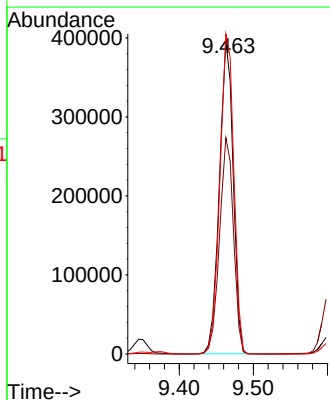
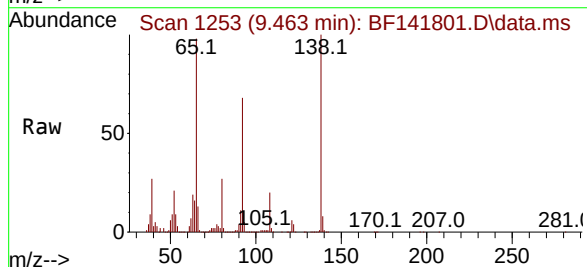
Tgt Ion: 65 Resp: 514104

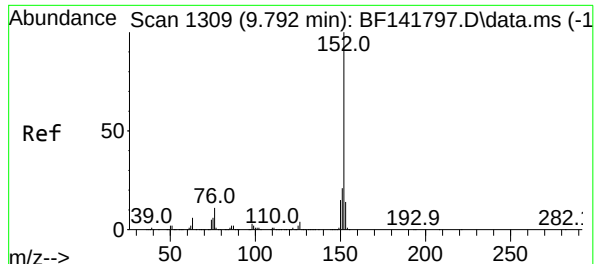
Ion Ratio Lower Upper

65 100

92 69.1 55.7 83.5

138 102.2 80.6 121.0





#49

Acenaphthylene

Concen: 39.907 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.000 min

Lab File: BF141801.D

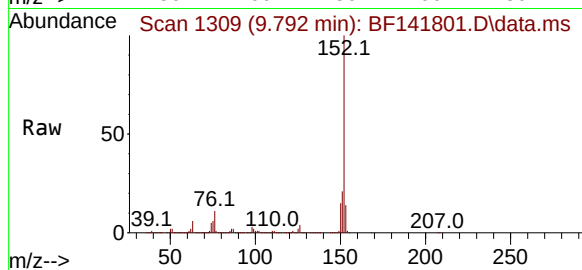
Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

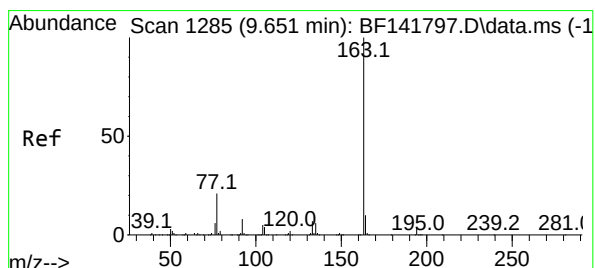
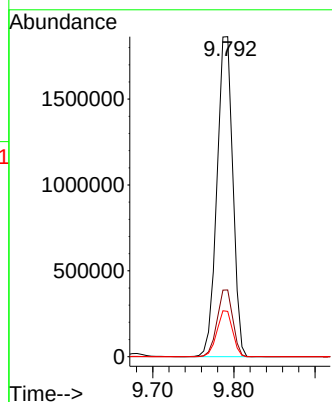
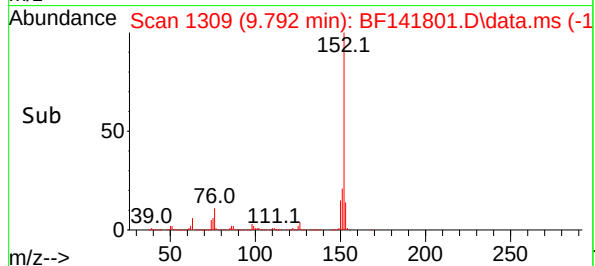
ClientSampleId :

ICVBF022725



Tgt Ion:152 Resp: 2533613

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8
153	14.1	11.2	16.8



#50

Dimethylphthalate

Concen: 40.250 ng

RT: 9.651 min Scan# 1285

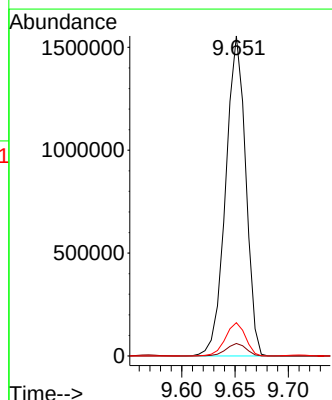
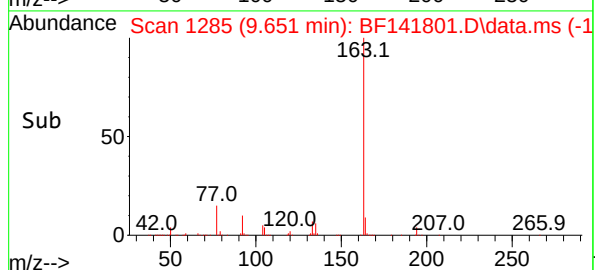
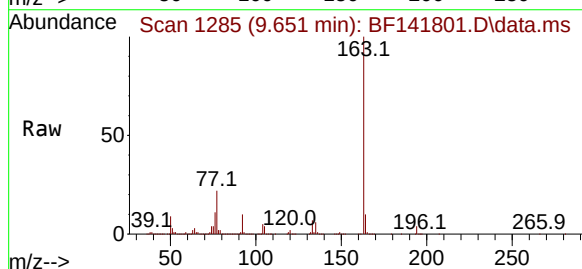
Delta R.T. -0.000 min

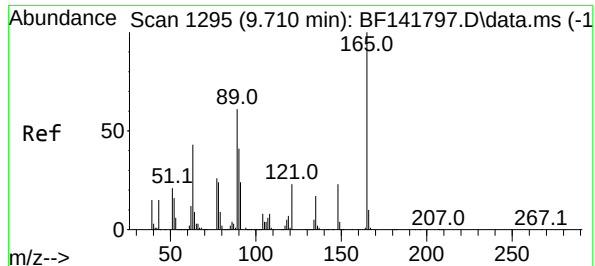
Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Tgt Ion:163 Resp: 2031698

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.4	12.6

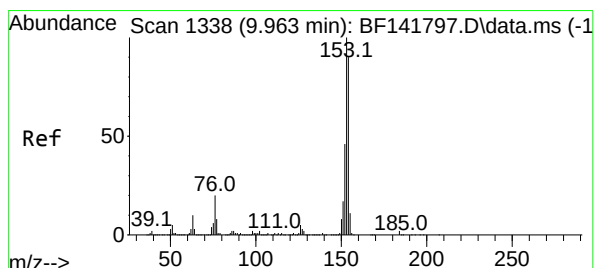
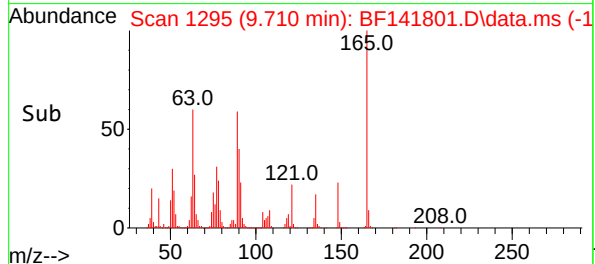
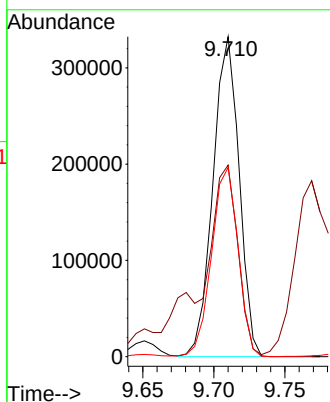
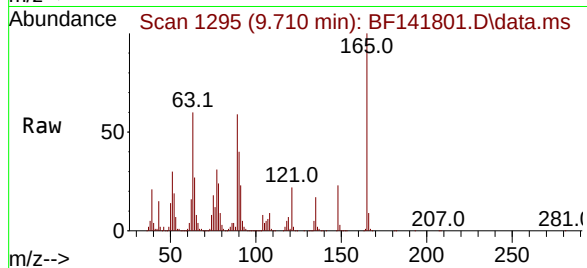




#51
2,6-Dinitrotoluene
Concen: 44.292 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

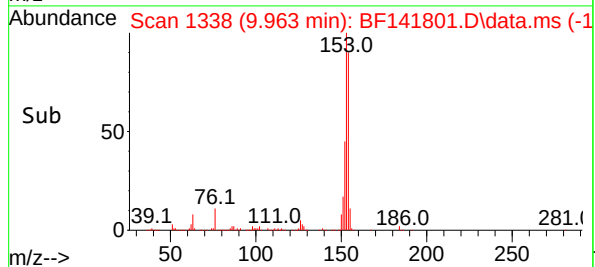
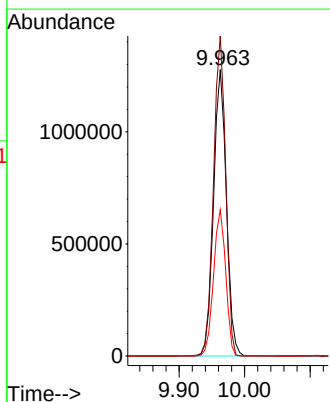
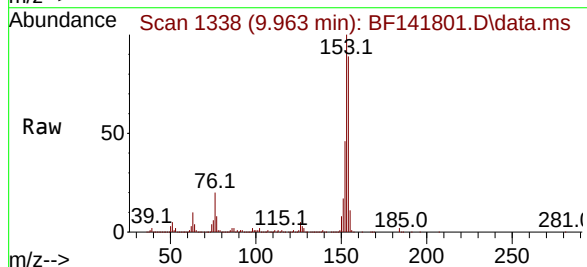
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

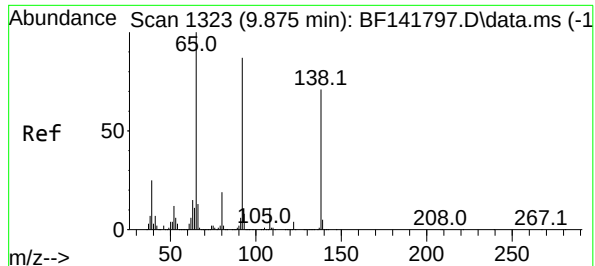
Tgt Ion:165 Resp: 425445
Ion Ratio Lower Upper
165 100
63 59.8 49.5 74.3
89 59.1 49.0 73.4



#52
Acenaphthene
Concen: 40.488 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:154 Resp: 1734464
Ion Ratio Lower Upper
154 100
153 111.7 88.7 133.1
152 51.0 40.9 61.3

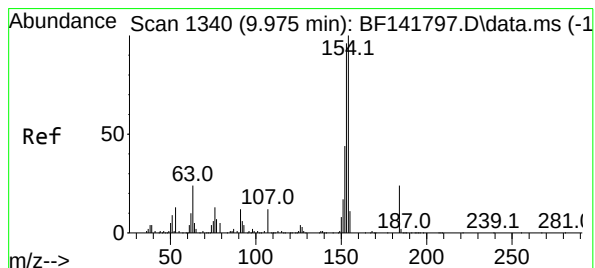
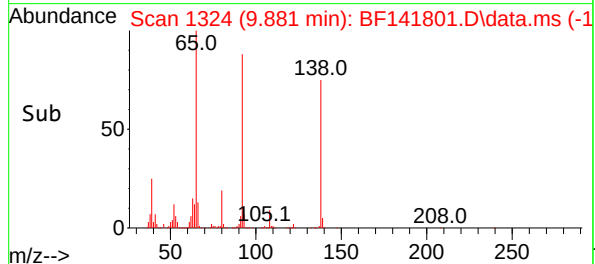
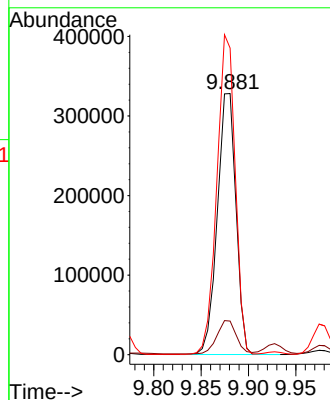
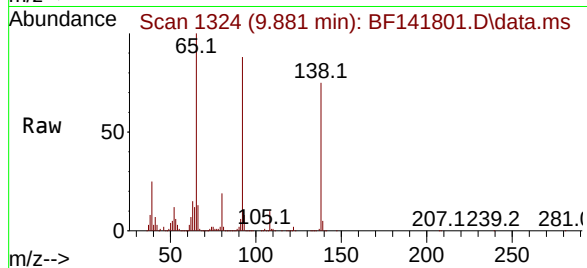




#53
3-Nitroaniline
Concen: 43.938 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

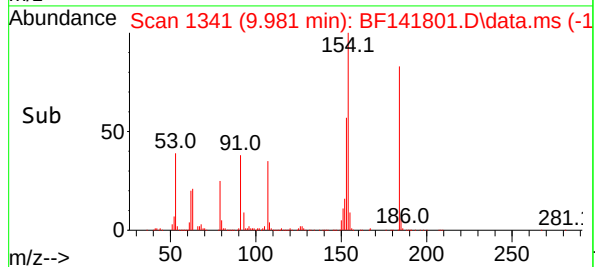
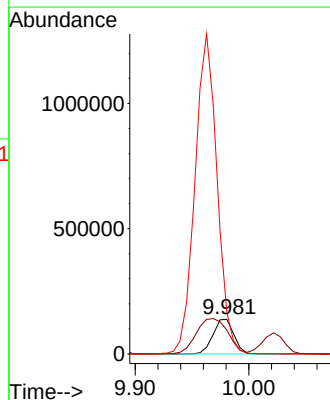
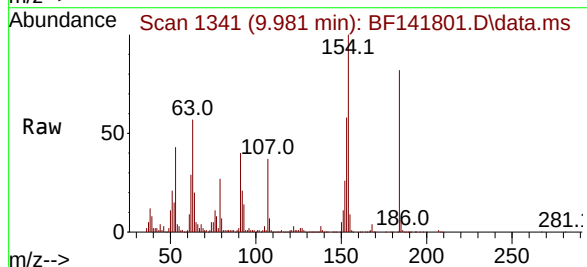
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

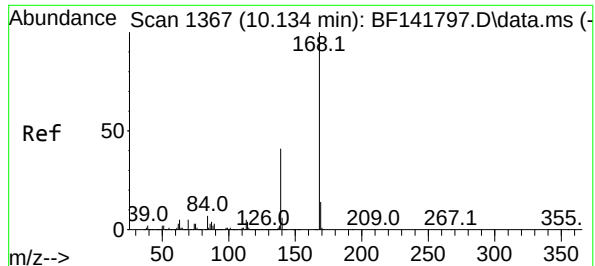
Tgt Ion:138 Resp: 449174
Ion Ratio Lower Upper
138 100
108 12.9 12.7 19.1
92 117.4 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 47.494 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:184 Resp: 176378
Ion Ratio Lower Upper
184 100
63 69.1 79.0 118.6#
154 121.2 335.8 503.8#

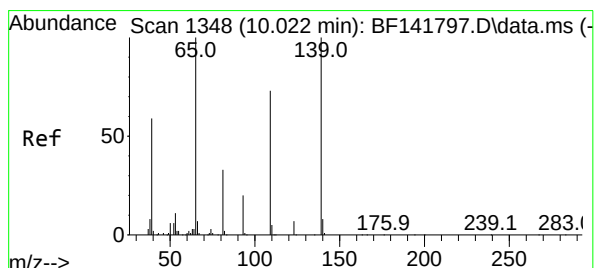
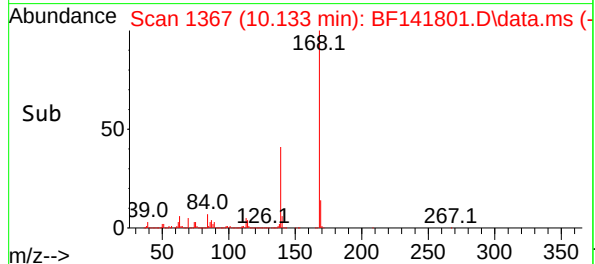
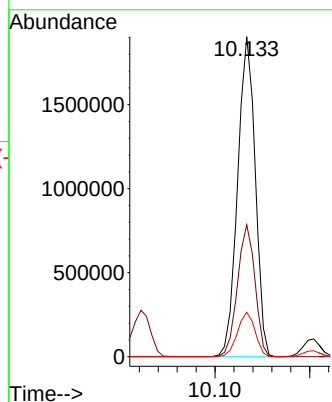
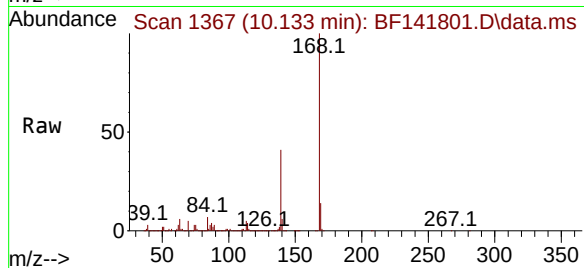




#55
Dibenzenofuran
Concen: 39.391 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

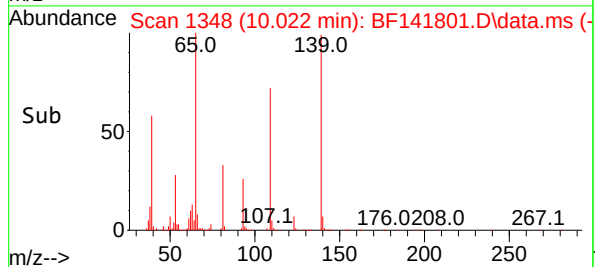
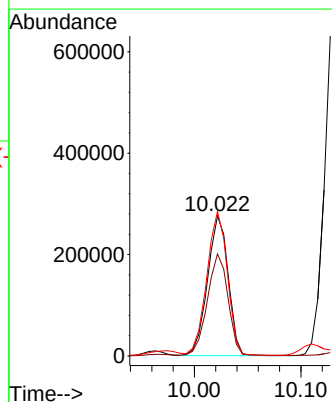
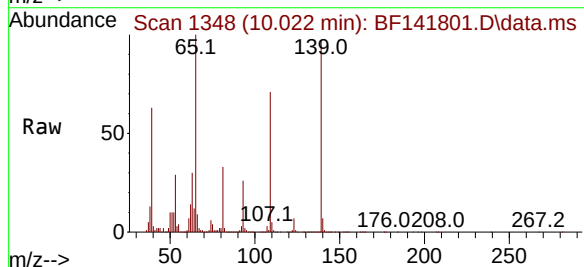
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

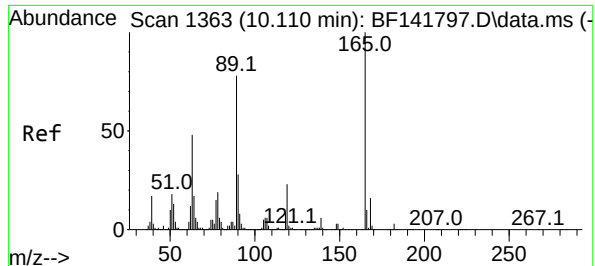
Tgt Ion:168 Resp: 2456099
Ion Ratio Lower Upper
168 100
139 41.2 32.9 49.3
169 13.9 11.1 16.7



#56
4-Nitrophenol
Concen: 49.725 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 370704
Ion Ratio Lower Upper
139 100
109 72.9 53.4 93.4
65 103.3 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 45.704 ng

RT: 10.110 min Scan# 1363

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion:165 Resp: 536914

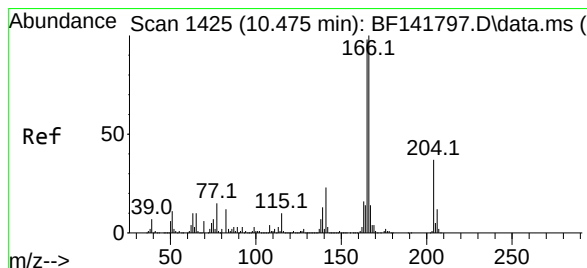
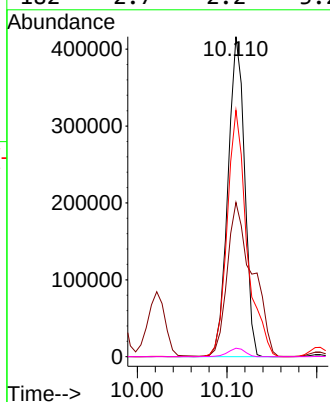
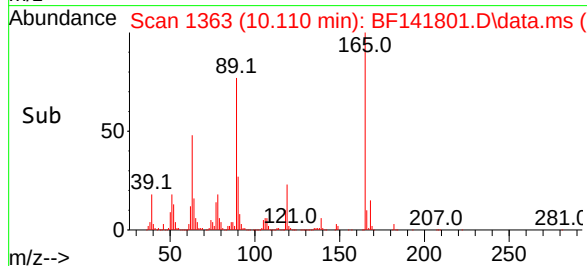
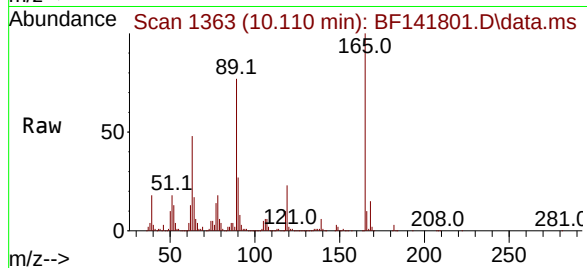
Ion Ratio Lower Upper

165 100

63 48.2 38.8 58.2

89 77.0 62.6 94.0

182 2.7 2.2 3.2



#58

Fluorene

Concen: 38.547 ng

RT: 10.475 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

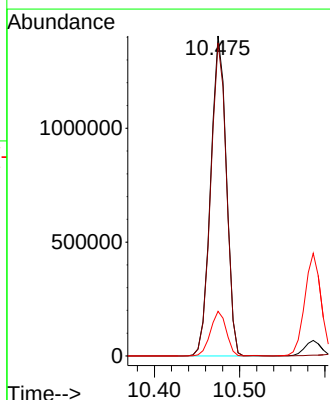
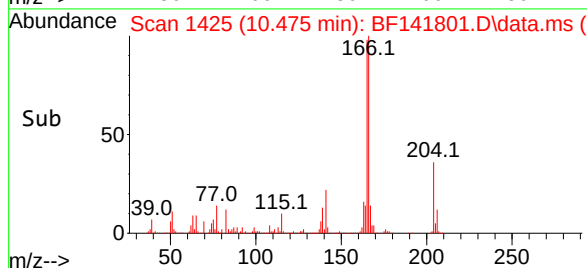
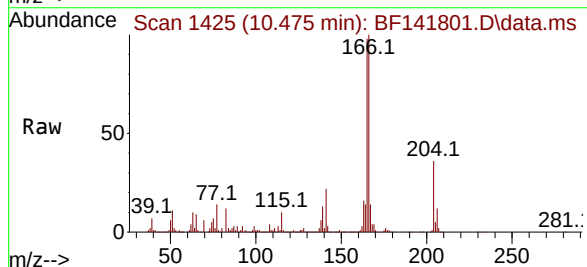
Tgt Ion:166 Resp: 1800318

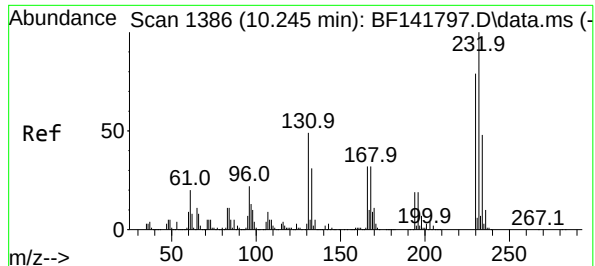
Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

167 14.0 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.607 ng

RT: 10.245 min Scan# 1386

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

Tgt Ion:232 Resp: 515976

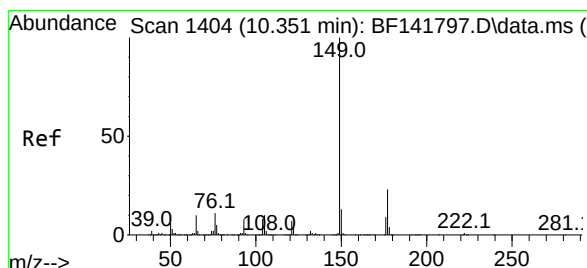
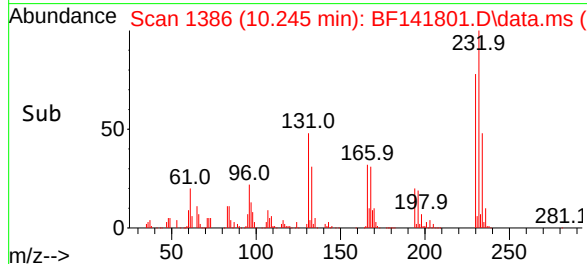
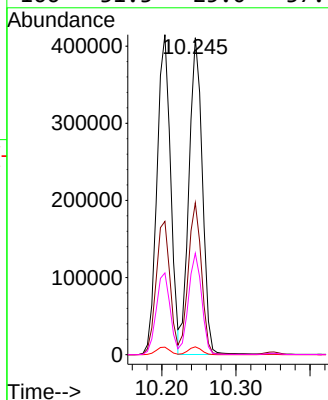
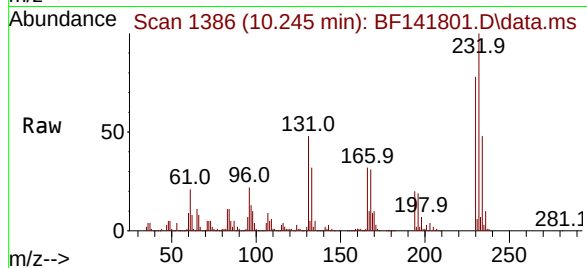
Ion Ratio Lower Upper

232 100

131 47.1 37.8 56.8

130 2.5 2.0 3.0

166 31.3 25.0 37.4



#60

Diethylphthalate

Concen: 39.896 ng

RT: 10.351 min Scan# 1404

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

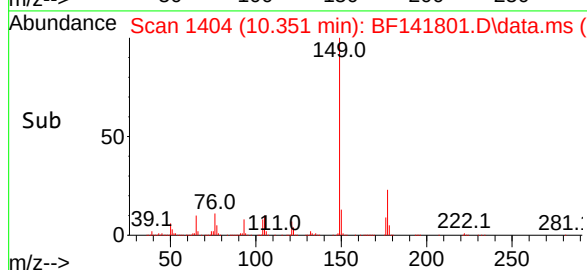
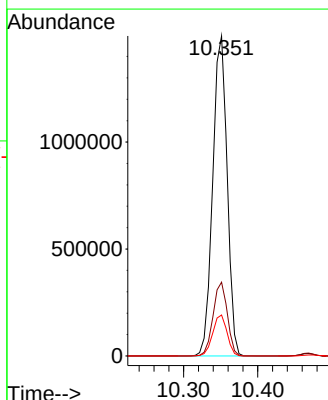
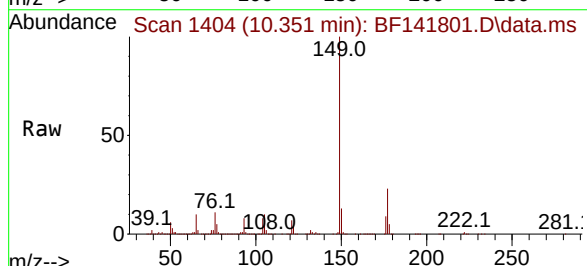
Tgt Ion:149 Resp: 2018830

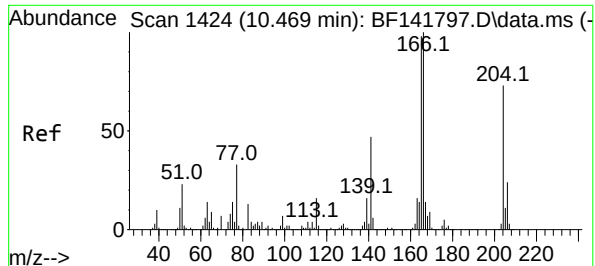
Ion Ratio Lower Upper

149 100

177 23.1 18.3 27.5

150 12.8 10.3 15.5

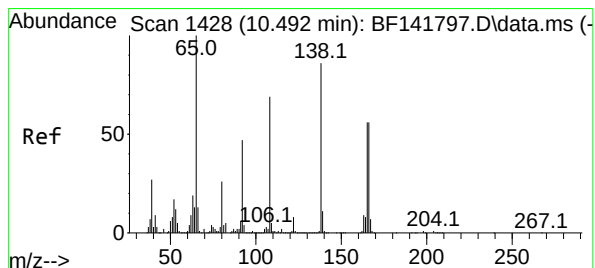
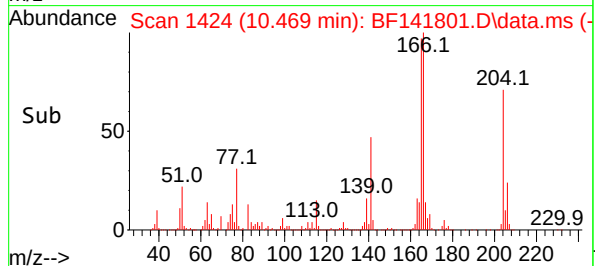
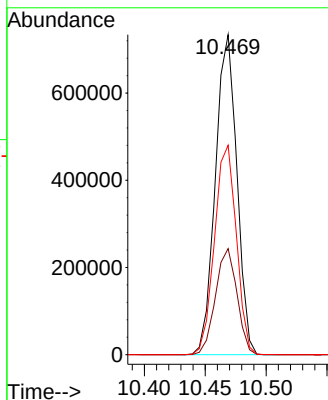
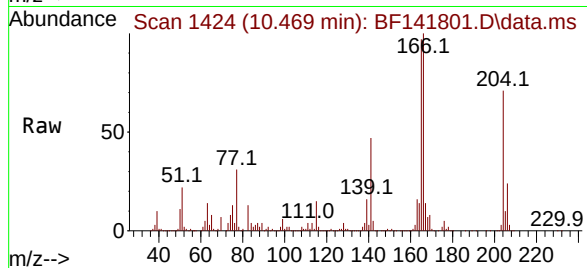




#61
4-Chlorophenyl-phenylether
Concen: 38.546 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

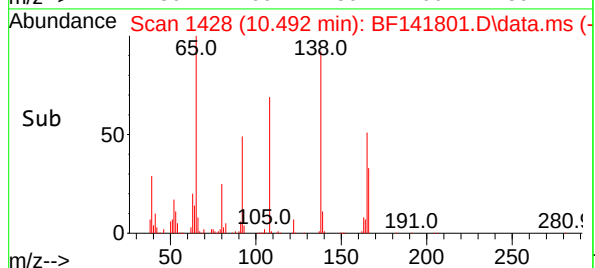
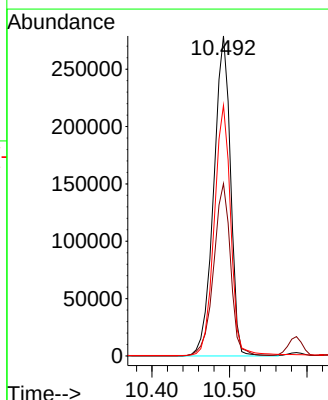
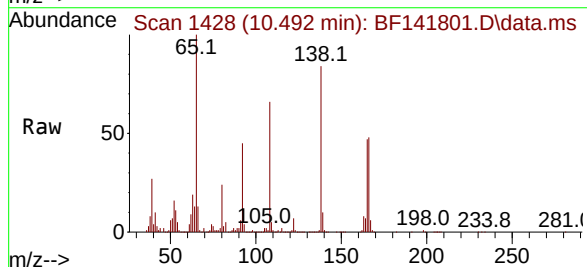
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

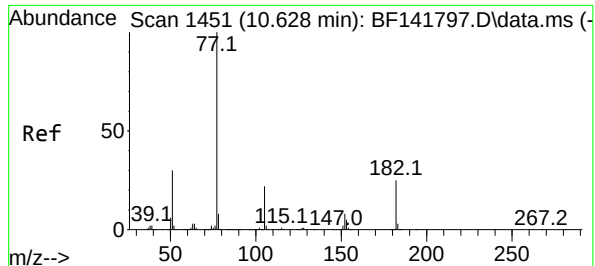
Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.4
141	65.4	51.7	77.5



#62
4-Nitroaniline
Concen: 48.866 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.9	34.9	74.9
108	78.3	59.6	99.6

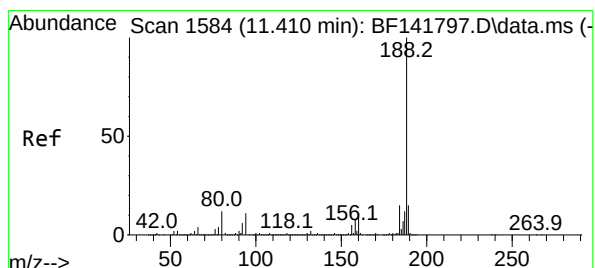
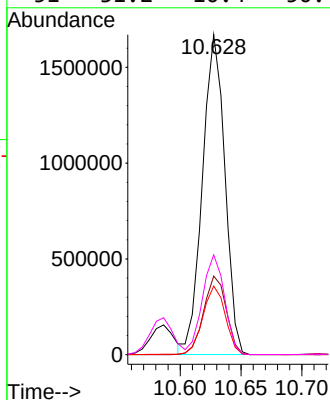
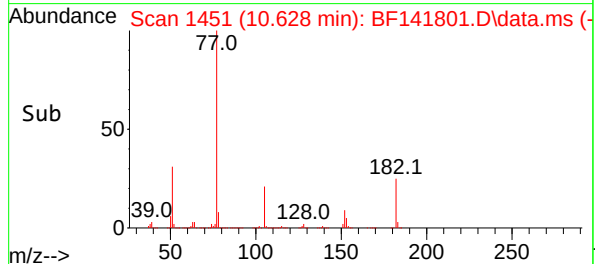
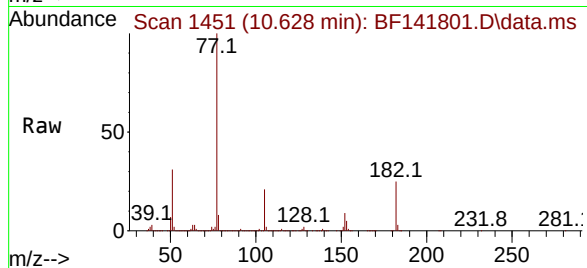




#63
Azobenzene
Concen: 40.188 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

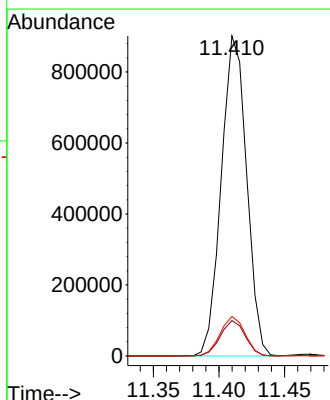
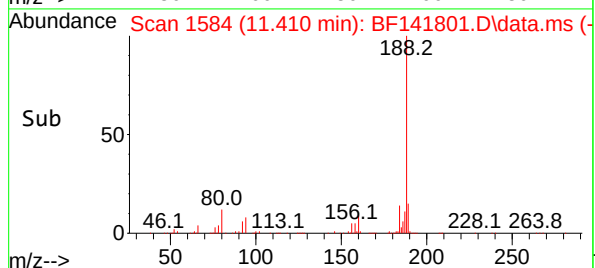
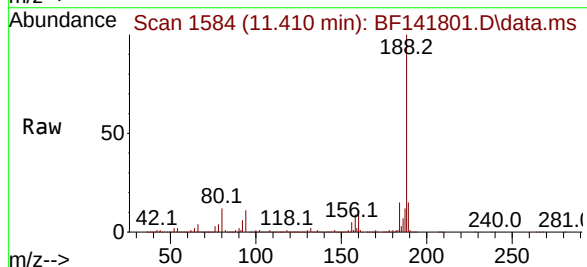
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

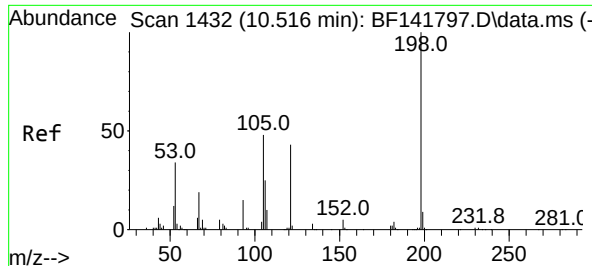
Tgt Ion: 77 Resp: 2141198
Ion Ratio Lower Upper
77 100
182 24.5 4.2 44.2
105 21.4 1.5 41.5
51 31.2 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 188 Resp: 1211382
Ion Ratio Lower Upper
188 100
94 11.1 8.9 13.3
80 12.3 9.7 14.5

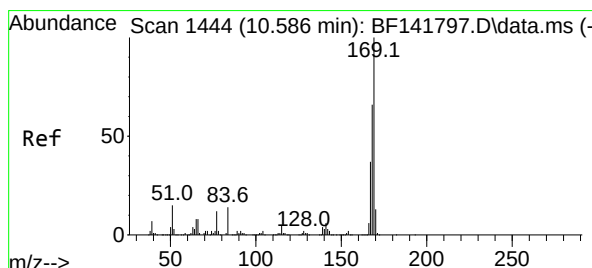
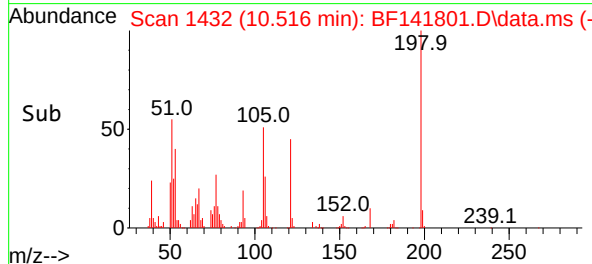
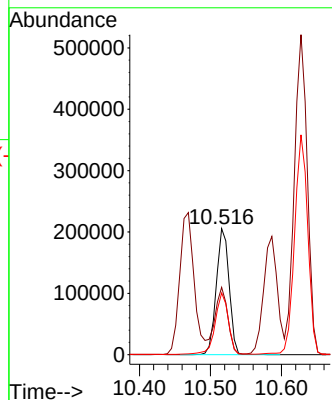
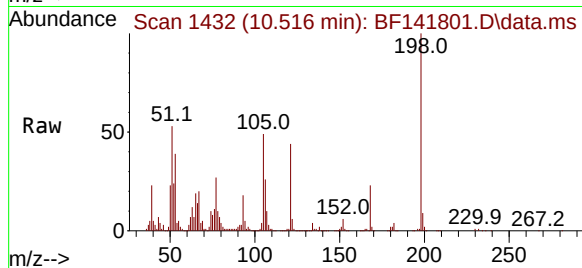




#65
4,6-Dinitro-2-methylphenol
Concen: 45.441 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

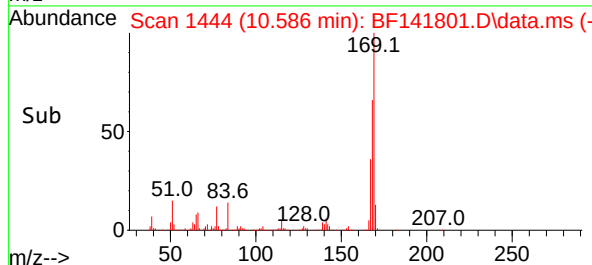
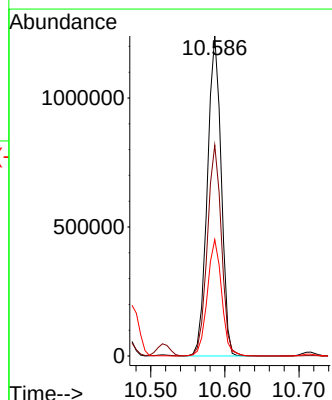
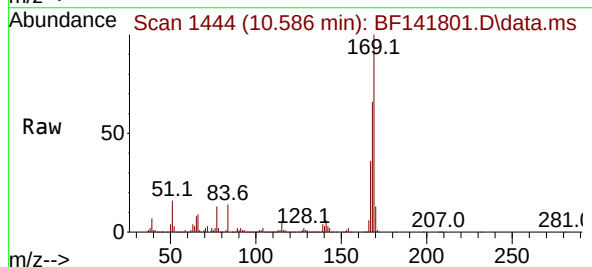
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

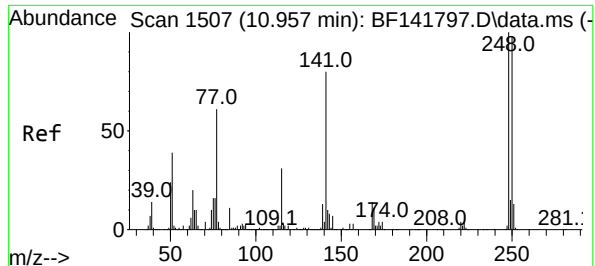
Tgt Ion:198 Resp: 256241
Ion Ratio Lower Upper
198 100
51 53.4 32.1 72.1
105 49.0 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 40.431 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:169 Resp: 1608263
Ion Ratio Lower Upper
169 100
168 65.9 53.0 79.6
167 36.4 29.3 43.9

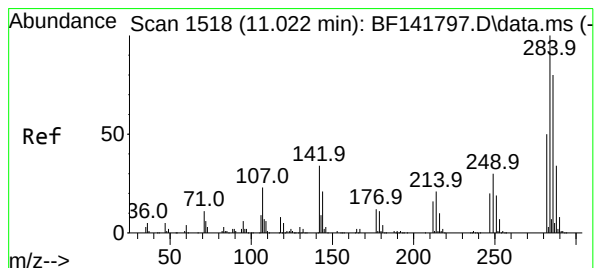
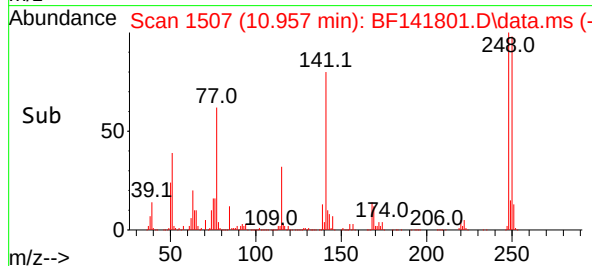
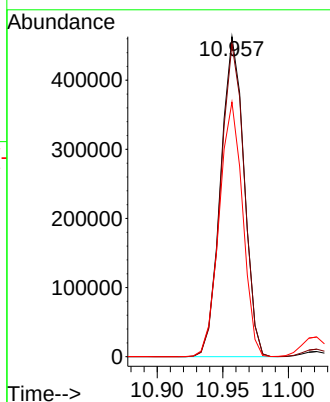
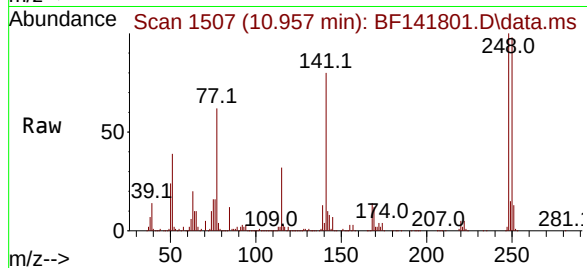




#67
4-Bromophenyl-phenylether
Concen: 40.614 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

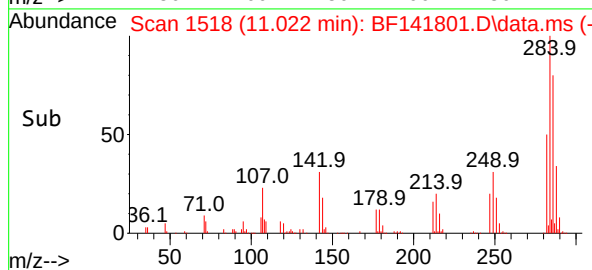
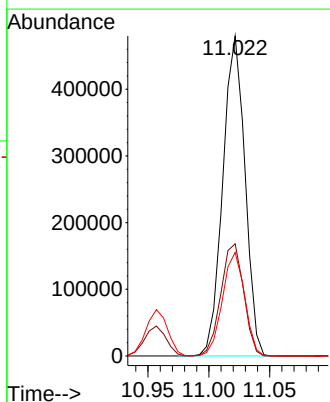
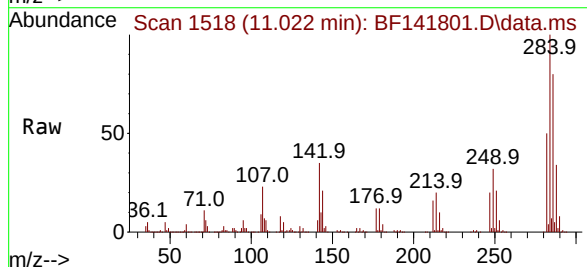
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

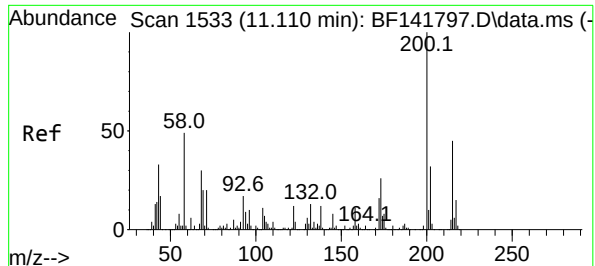
Tgt Ion:248 Resp: 574667
Ion Ratio Lower Upper
248 100
250 97.7 78.1 117.1
141 79.5 64.3 96.5



#68
Hexachlorobenzene
Concen: 40.697 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:284 Resp: 608067
Ion Ratio Lower Upper
284 100
142 35.0 28.2 42.2
249 32.4 25.5 38.3





#69

Atrazine

Concen: 38.463 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

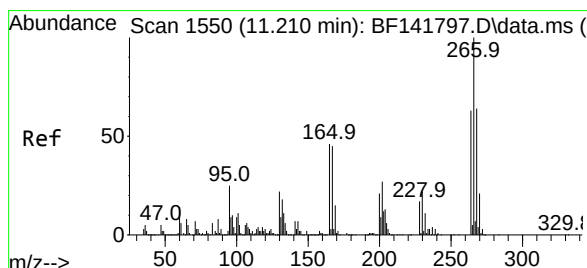
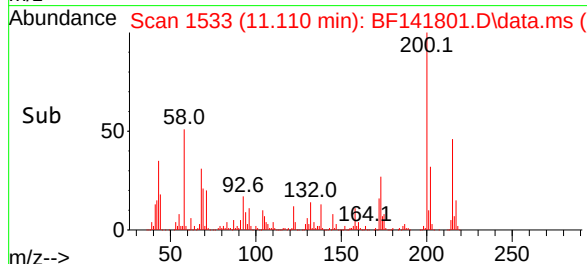
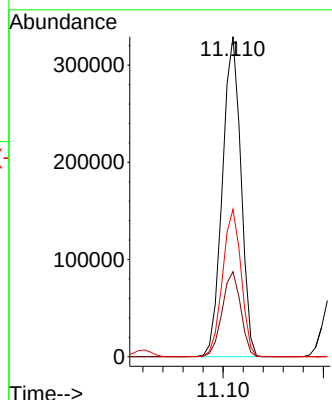
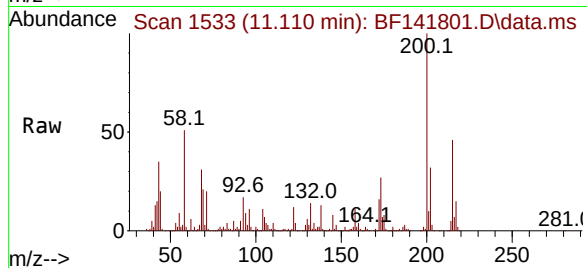
Tgt Ion:200 Resp: 420733

Ion Ratio Lower Upper

200 100

173 26.5 5.6 45.6

215 46.1 25.3 65.3



#70

Pentachlorophenol

Concen: 44.032 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

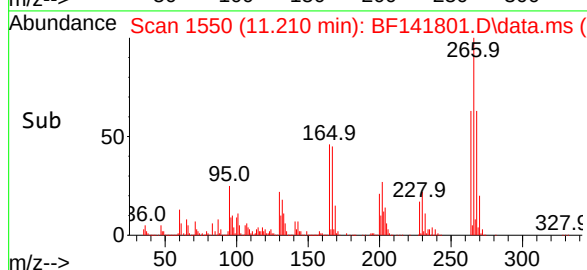
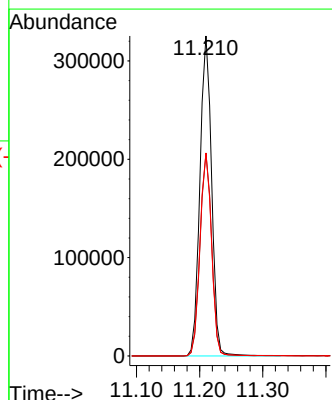
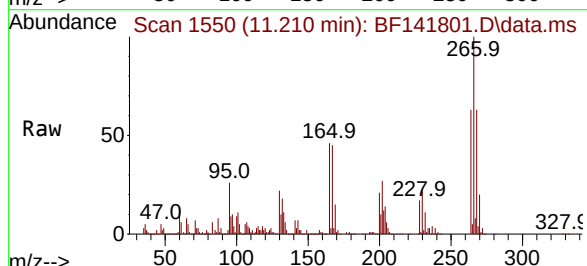
Tgt Ion:266 Resp: 417260

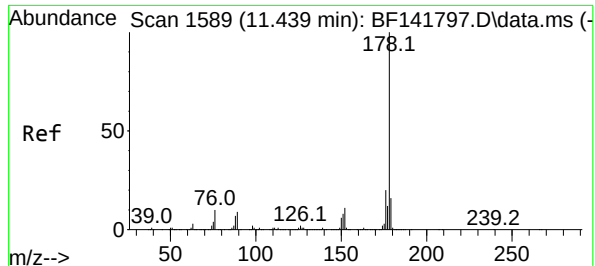
Ion Ratio Lower Upper

266 100

268 63.5 50.9 76.3

264 63.4 50.2 75.4

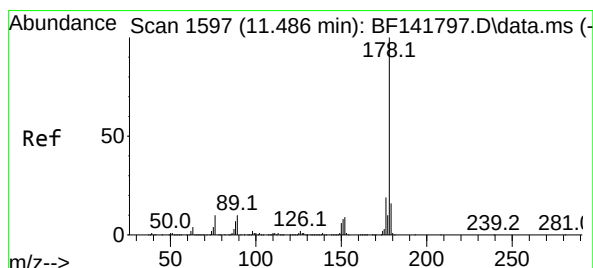
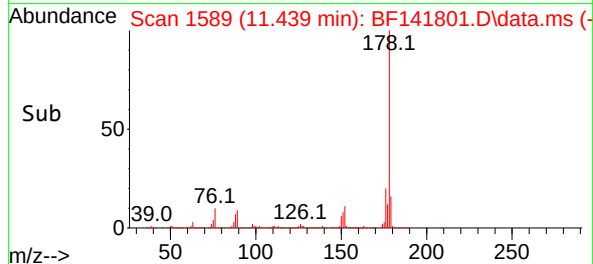
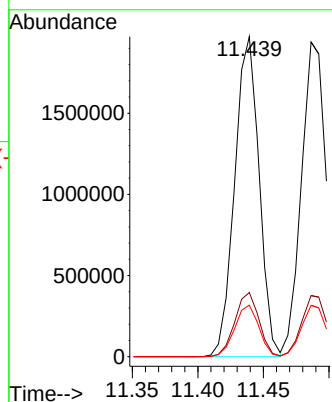
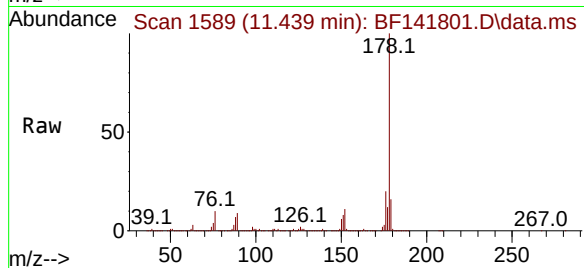




#71
Phenanthrene
Concen: 39.475 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

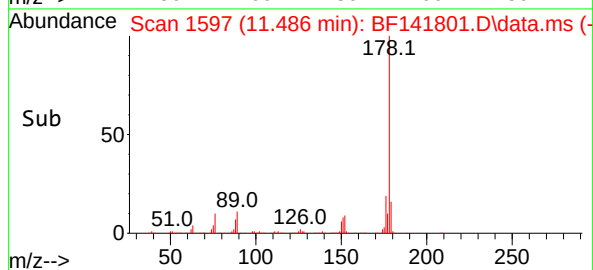
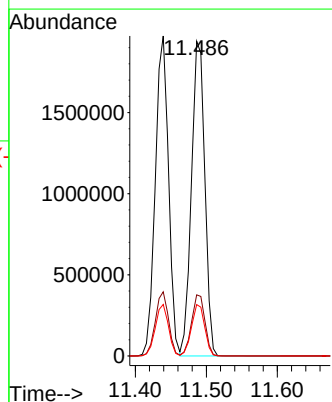
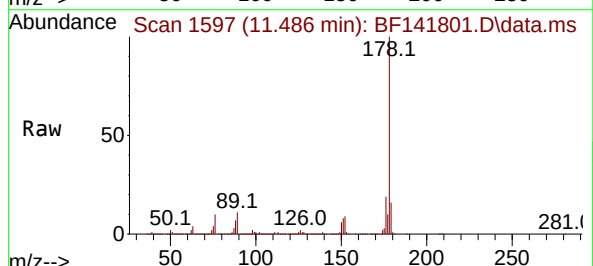
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

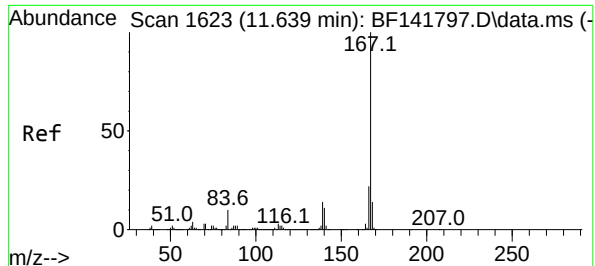
Tgt Ion:178 Resp: 2557877
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.1 12.6 19.0



#72
Anthracene
Concen: 39.126 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:178 Resp: 2540876
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 16.3 12.8 19.2

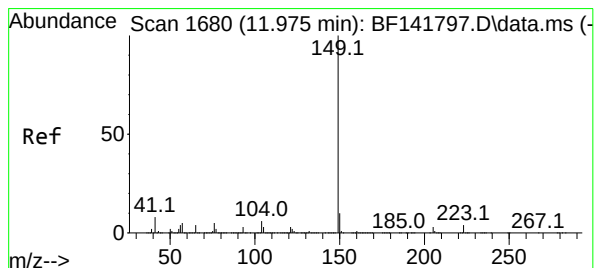
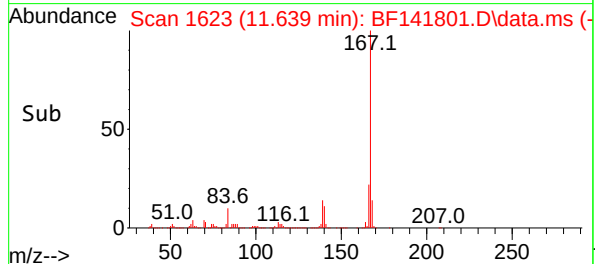
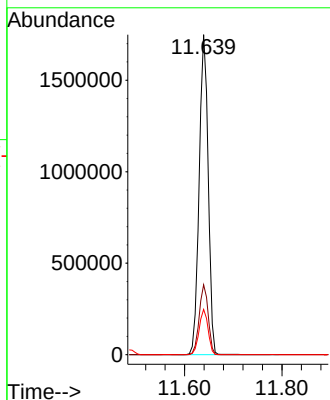
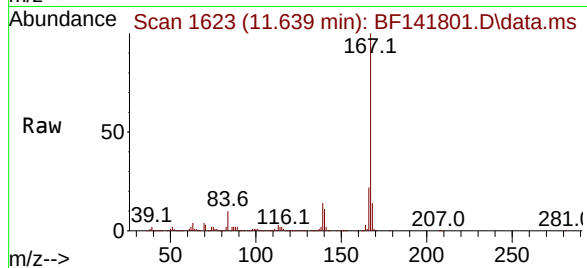




#73
Carbazole
Concen: 39.317 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

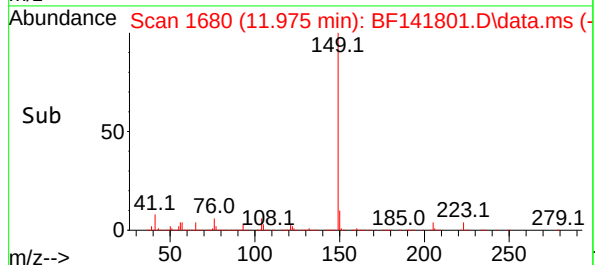
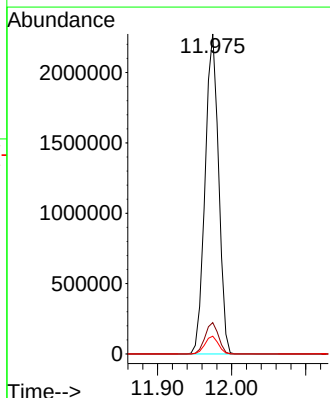
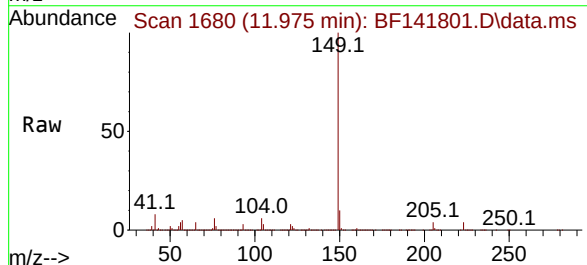
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

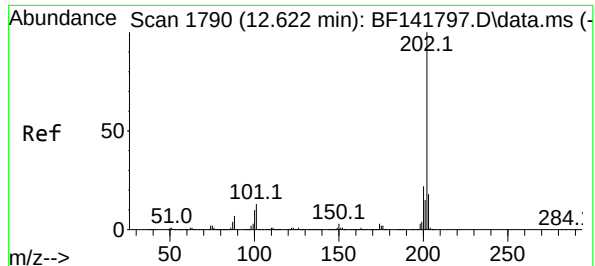
Tgt Ion:167 Resp: 2254761
Ion Ratio Lower Upper
167 100
166 21.9 17.5 26.3
139 14.2 11.3 16.9



#74
Di-n-butylphthalate
Concen: 39.540 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2874276
Ion Ratio Lower Upper
149 100
150 9.8 7.7 11.5
104 5.5 4.4 6.6

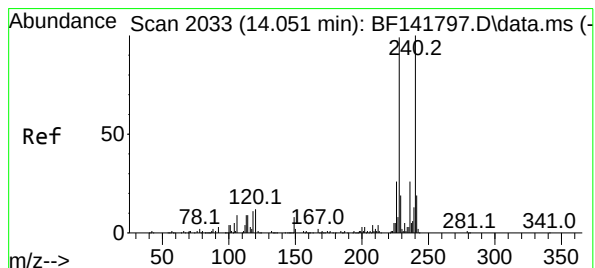
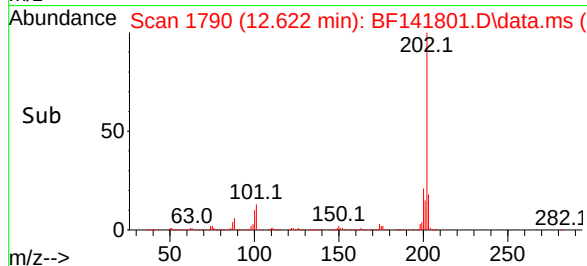
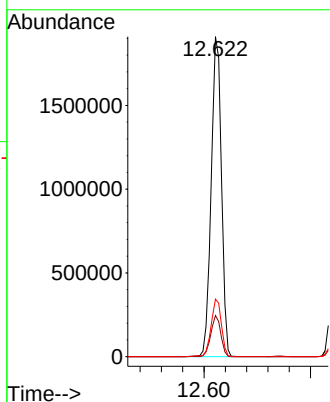
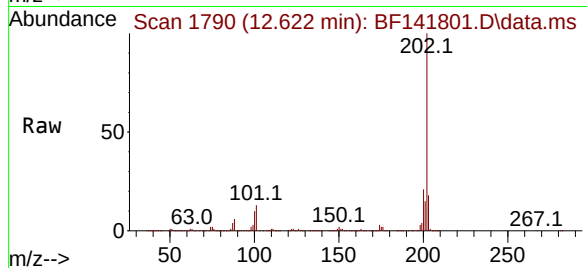




#75
Fluoranthene
Concen: 38.448 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

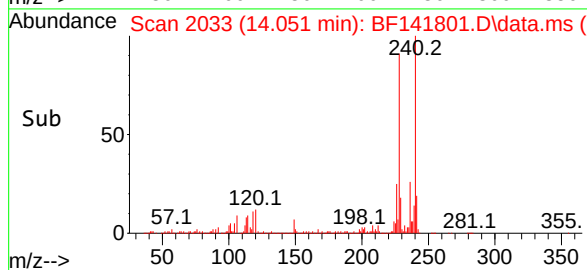
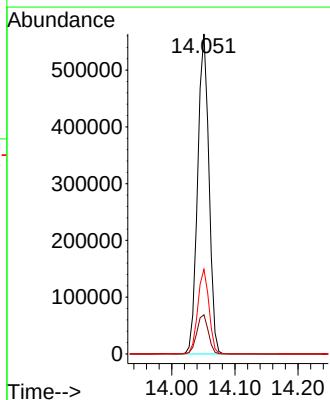
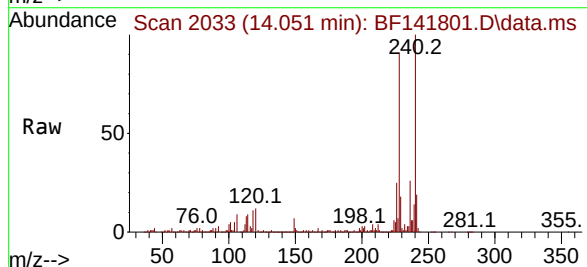
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

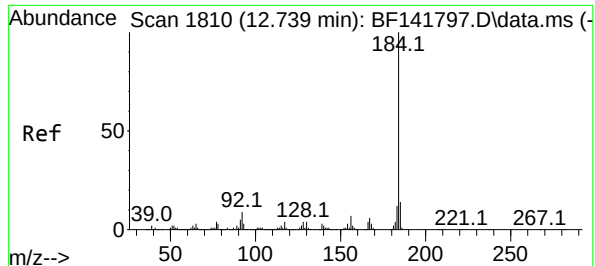
Tgt Ion:202 Resp: 2552790
Ion Ratio Lower Upper
202 100
101 12.8 0.0 32.8
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:240 Resp: 696919
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 26.5 21.0 31.4

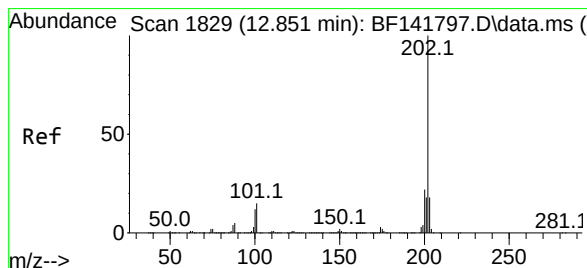
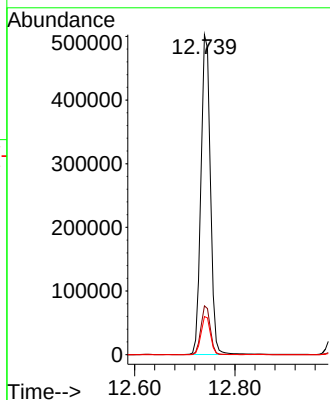
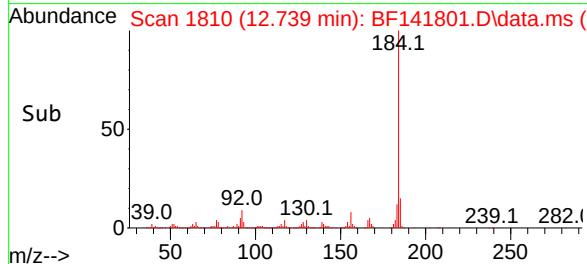
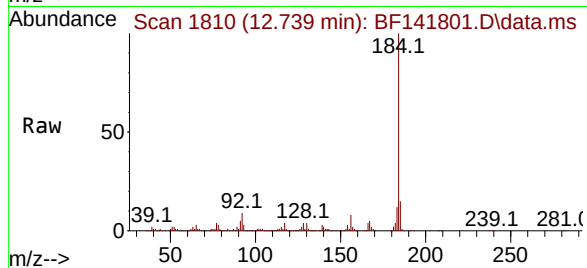




#77
Benzidine
Concen: 74.959 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

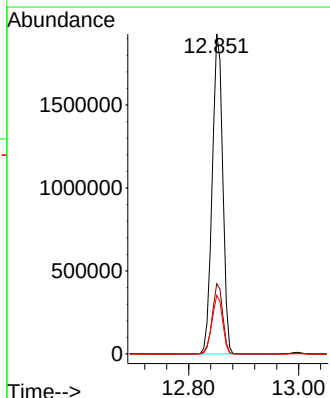
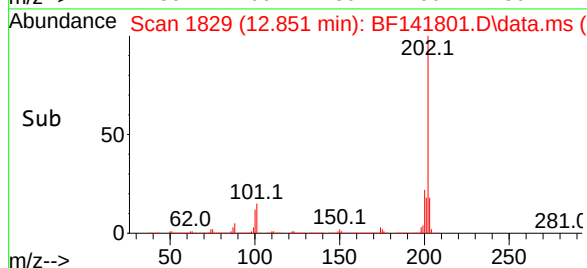
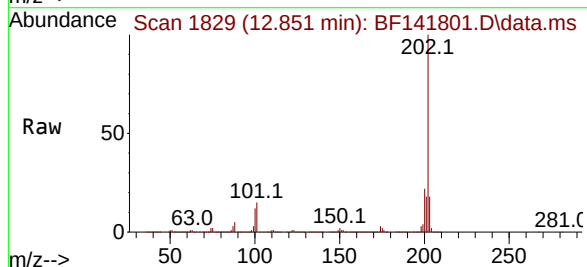
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

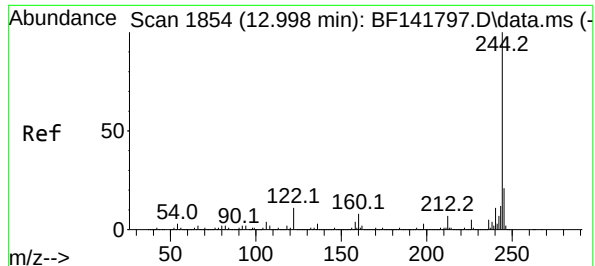
Tgt Ion:184 Resp: 657519
Ion Ratio Lower Upper
184 100
185 15.3 11.6 17.4
183 11.9 9.4 14.0



#78
Pyrene
Concen: 42.307 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:202 Resp: 2553211
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.0
203 18.3 14.6 22.0





#79

Terphenyl-d14

Concen: 82.060 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

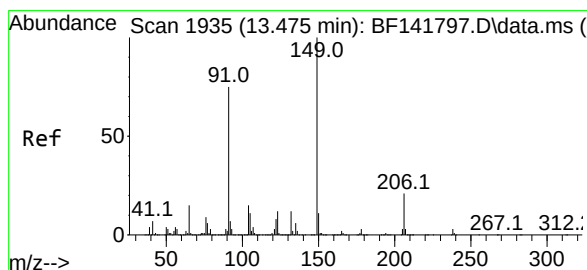
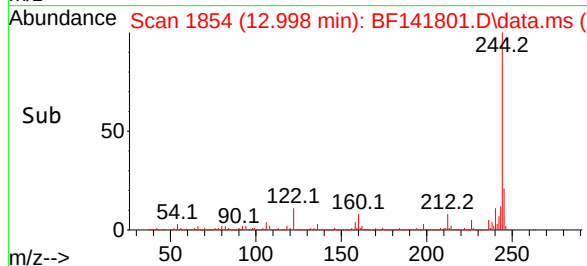
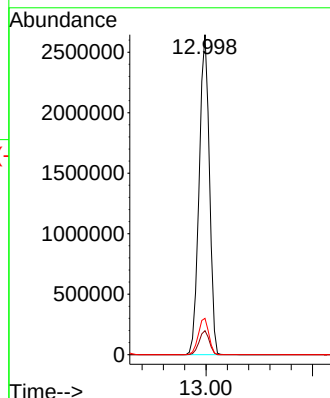
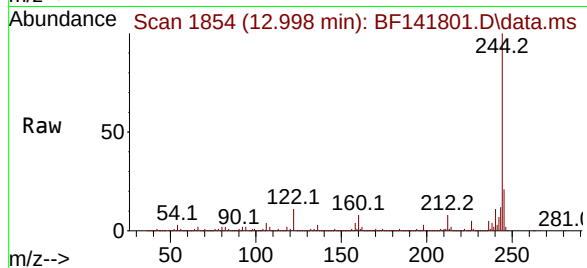
Tgt Ion:244 Resp: 3534753

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.3 9.0 13.6



#80

Butylbenzylphthalate

Concen: 43.655 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

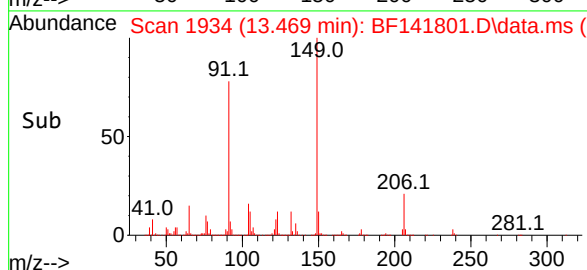
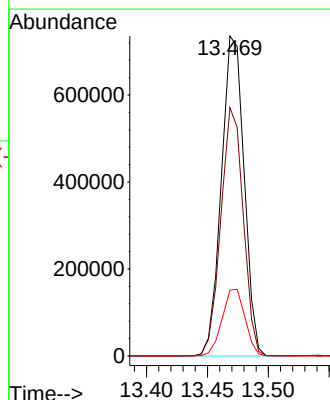
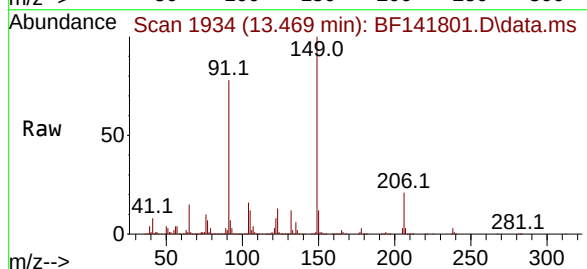
Tgt Ion:149 Resp: 957186

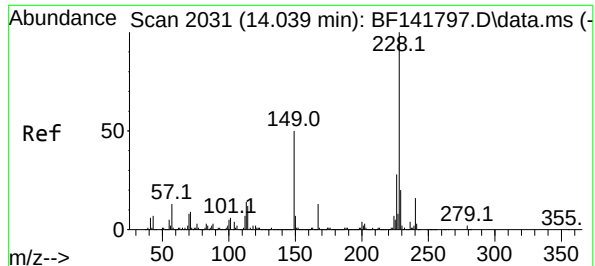
Ion Ratio Lower Upper

149 100

91 77.6 60.1 90.1

206 20.5 16.8 25.2





#81

Benzo(a)anthracene

Concen: 40.236 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

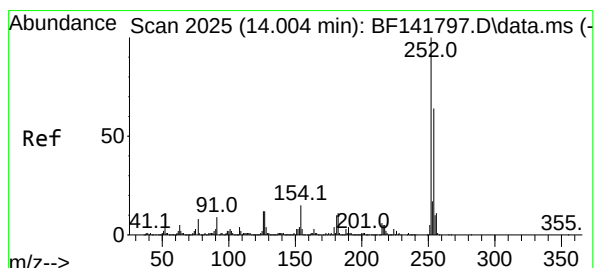
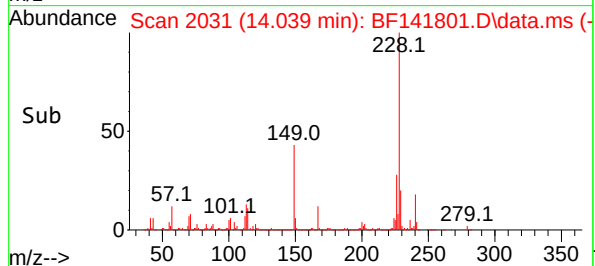
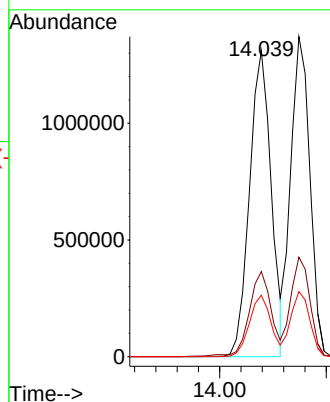
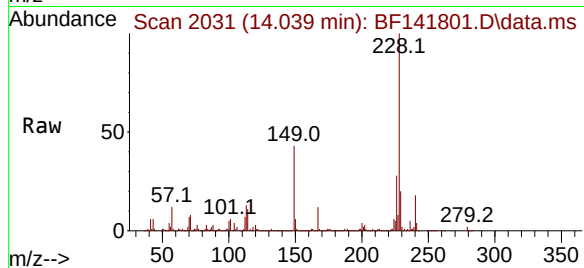
Tgt Ion:228 Resp: 1852195

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 20.1 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 43.392 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

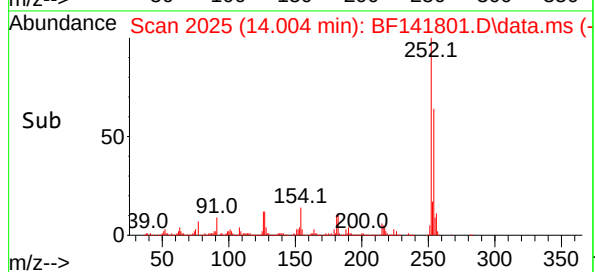
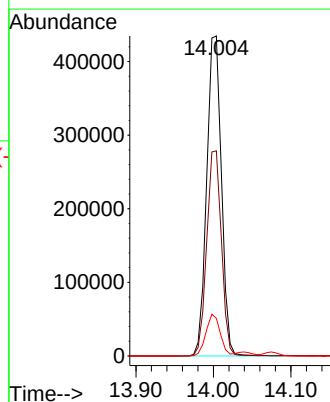
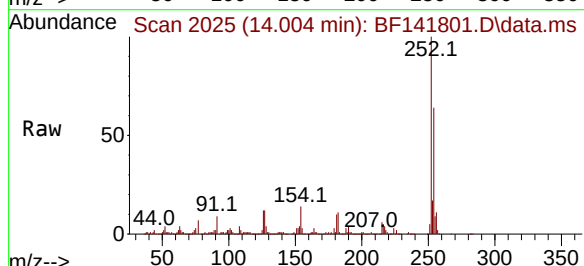
Tgt Ion:252 Resp: 573075

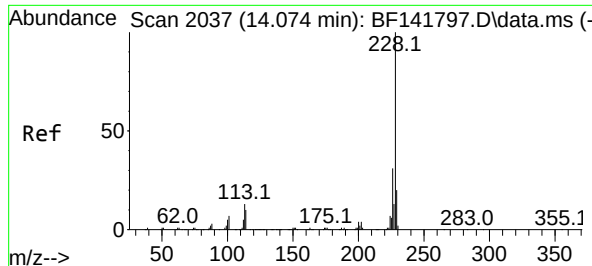
Ion Ratio Lower Upper

252 100

254 64.1 51.4 77.0

126 11.8 9.8 14.6

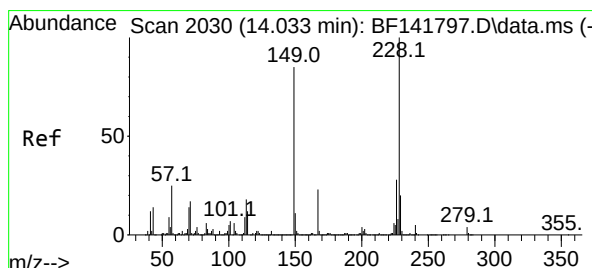
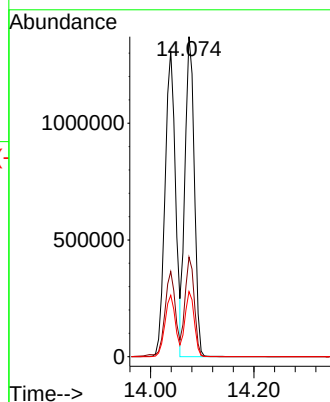
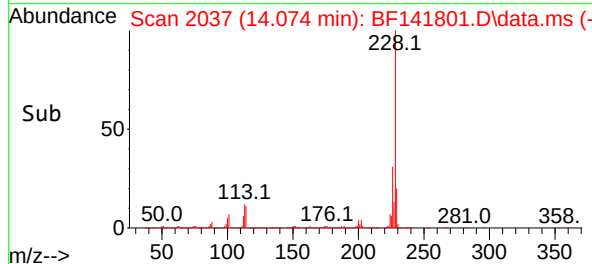
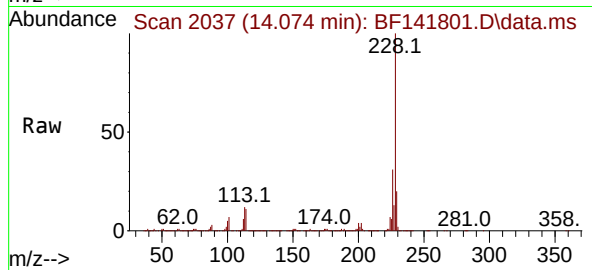




#83
Chrysene
Concen: 40.491 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

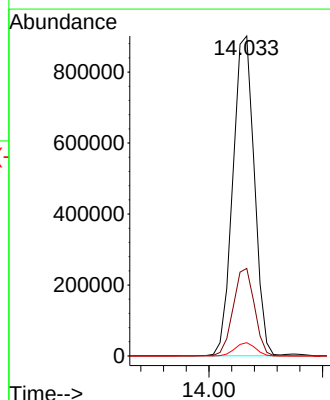
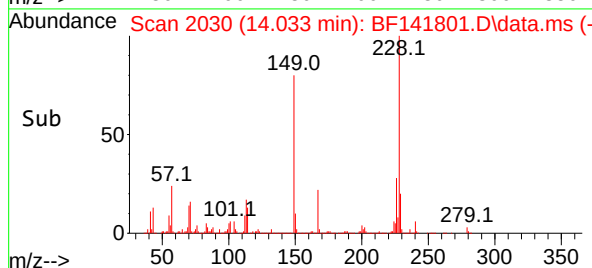
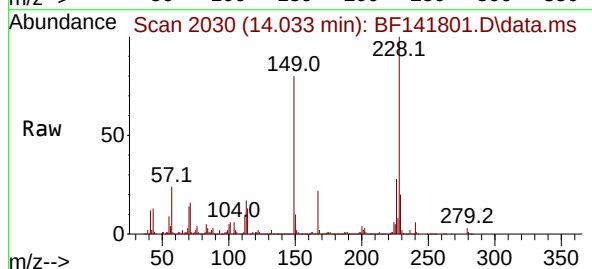
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

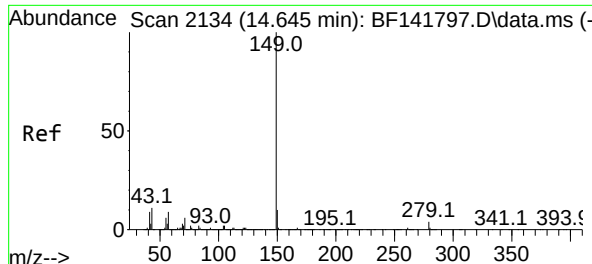
Tgt Ion:228 Resp: 1718188
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 20.4 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.350 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 1183508
Ion Ratio Lower Upper
149 100
167 27.4 21.2 31.8
279 4.2 3.3 4.9

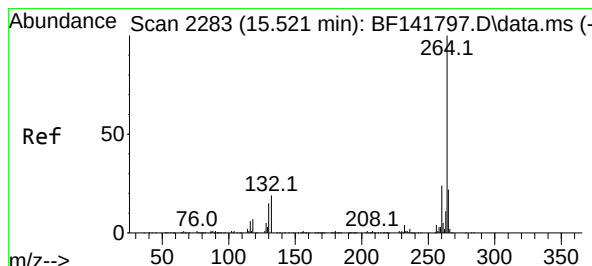
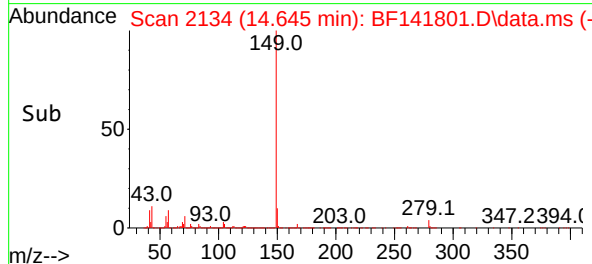
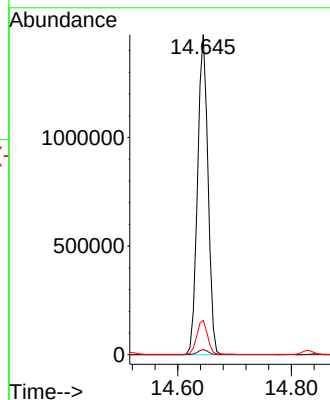
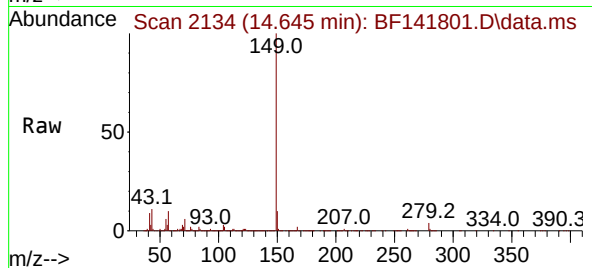




#85
Di-n-octyl phthalate
Concen: 46.033 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

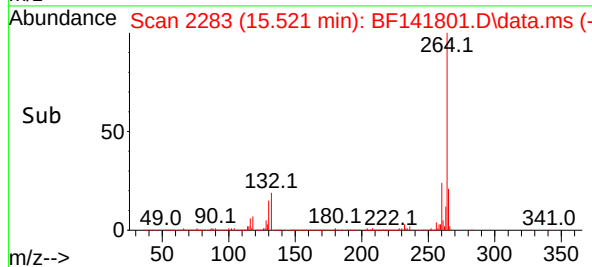
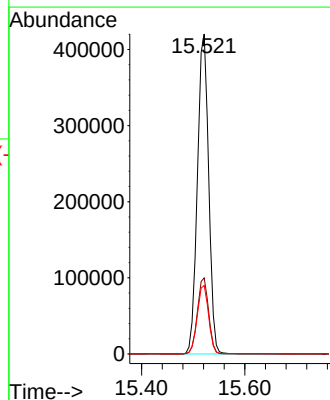
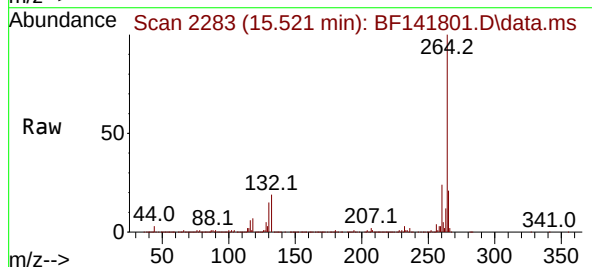
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

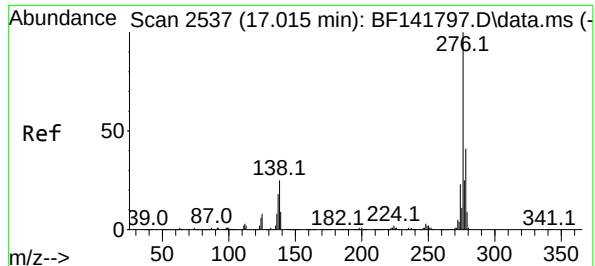
Tgt Ion:149 Resp: 1881499
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.0 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:264 Resp: 634238
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.4 17.4 26.0

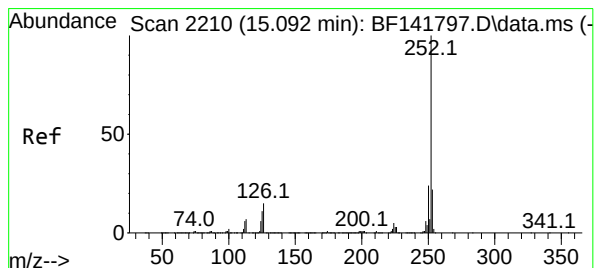
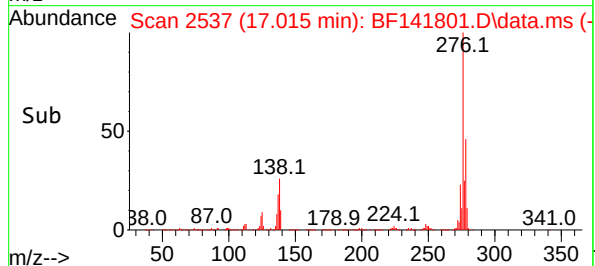
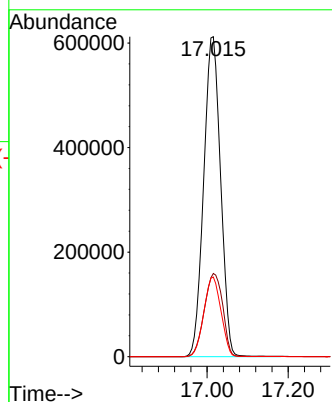
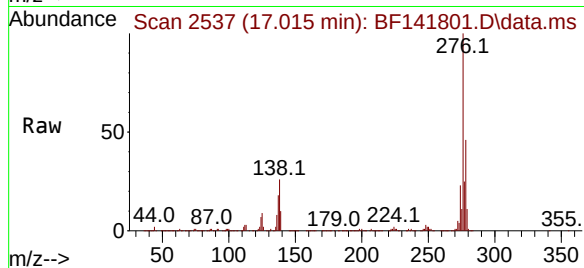




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.754 ng
RT: 17.015 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

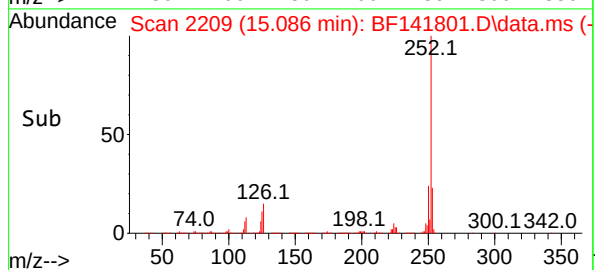
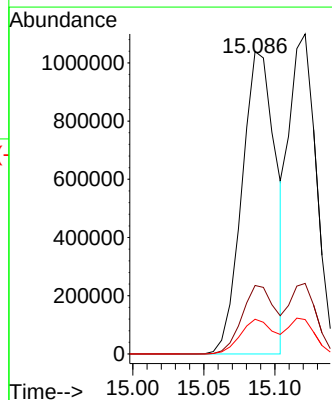
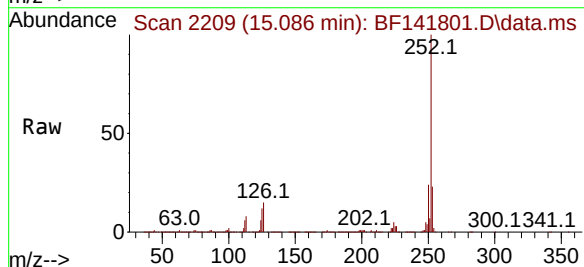
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

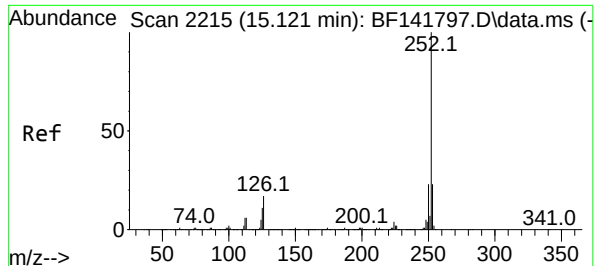
Tgt Ion:276 Resp: 1767077
Ion Ratio Lower Upper
276 100
138 28.3 22.5 33.7
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 39.602 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 1710890
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.608 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

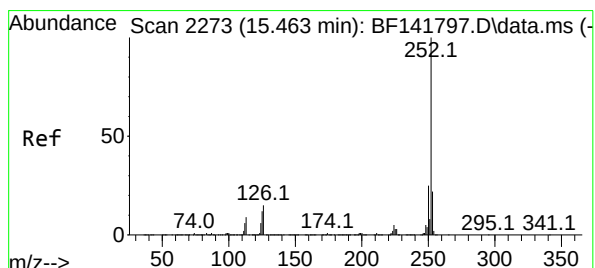
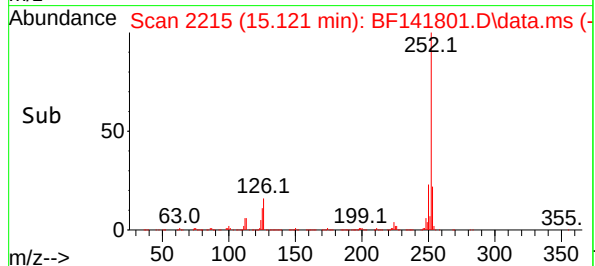
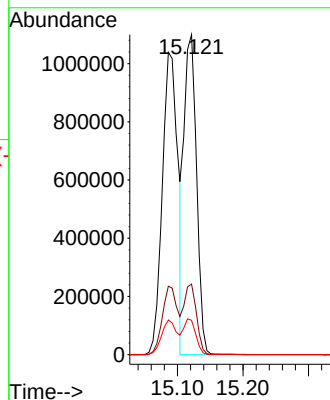
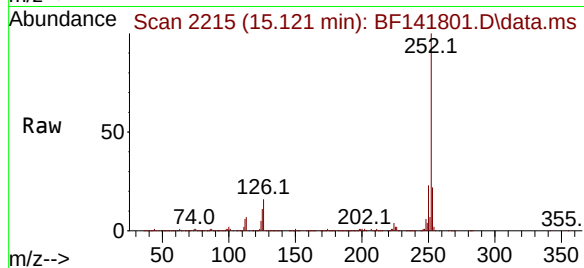
Tgt Ion:252 Resp: 1454422

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 10.8 8.8 13.2



#90

Benzo(a)pyrene

Concen: 40.891 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

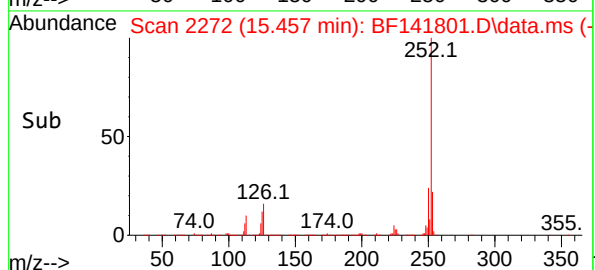
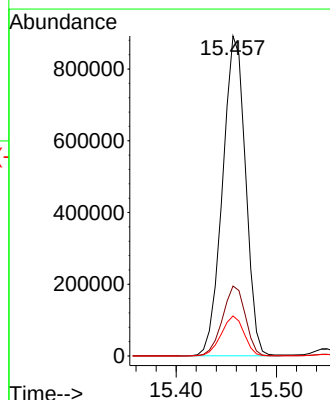
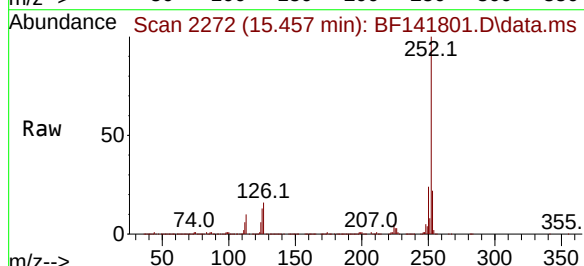
Tgt Ion:252 Resp: 1416788

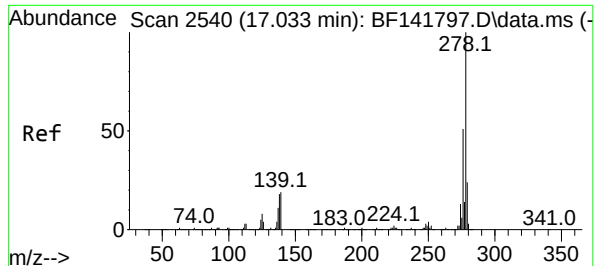
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 12.5 9.4 14.2

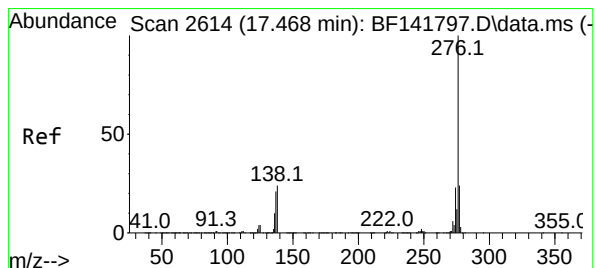
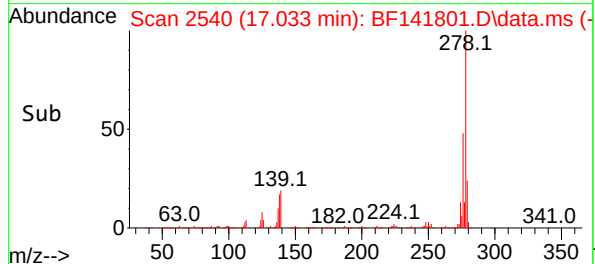
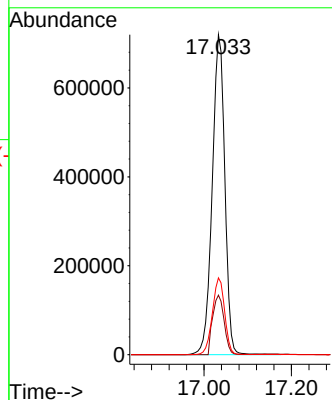
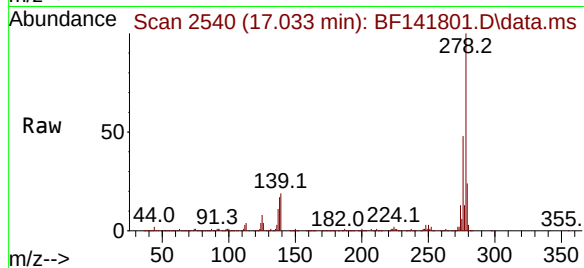




#91
Dibenzo(a,h)anthracene
Concen: 43.693 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

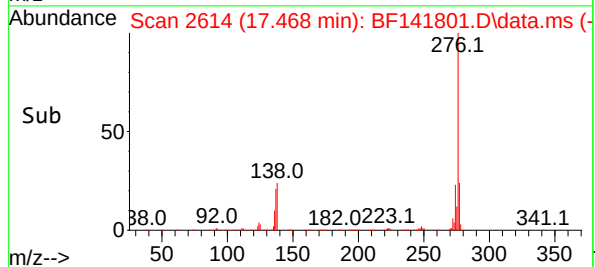
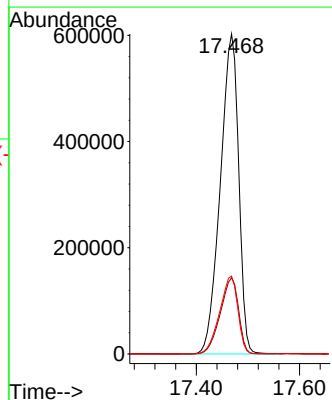
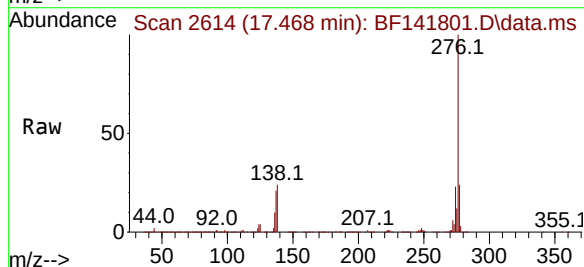
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:278 Resp: 1440368
Ion Ratio Lower Upper
278 100
139 18.6 14.9 22.3
279 24.0 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 43.969 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:276 Resp: 1484943
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.0
138 24.4 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141801.D
 Acq On : 27 Feb 2025 19:45
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
2	1,4-Dioxane	0.568	0.589	-3.7	116	0.00
3	Pyridine	1.414	1.505	-6.4	119	0.00
4	n-Nitrosodimethylamine	0.680	0.741	-9.0	119	0.00
5 S	2-Fluorophenol	1.252	1.291	-3.1	117	0.00
6	Aniline	1.695	1.816	-7.1	117	0.00
7 S	Phenol-d6	1.630	1.692	-3.8	117	0.00
8	2-Chlorophenol	1.355	1.423	-5.0	118	0.00
9	Benzaldehyde	0.948	1.035	-9.2	123	0.00
10 C	Phenol	1.742	1.812	-4.0	116	0.00
11	bis(2-Chloroethyl)ether	1.328	1.386	-4.4	121	0.00
12	1,3-Dichlorobenzene	1.451	1.505	-3.7	117	0.00
13 C	1,4-Dichlorobenzene	1.462	1.501	-2.7	116	0.00
14	1,2-Dichlorobenzene	1.365	1.394	-2.1	116	0.00
15	Benzyl Alcohol	1.303	1.386	-6.4	118	0.00
16	2,2'-oxybis(1-Chloropropane	2.016	2.151	-6.7	121	0.00
17	2-Methylphenol	1.118	1.184	-5.9	119	0.00
18	Hexachloroethane	0.547	0.580	-6.0	117	0.00
19 P	n-Nitroso-di-n-propylamine	1.072	1.112	-3.7	119	0.00
20	3+4-Methylphenols	1.392	1.457	-4.7	118	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	118	0.00
22	Acetophenone	0.487	0.492	-1.0	117	0.00
23 S	Nitrobenzene-d5	0.313	0.370	-18.2	128	0.00
24	Nitrobenzene	0.335	0.383	-14.3	125	0.00
25	Isophorone	0.672	0.688	-2.4	119	0.00
26 C	2-Nitrophenol	0.127	0.169	-33.1#	139	0.00
27	2,4-Dimethylphenol	0.247	0.259	-4.9	120	0.00
28	bis(2-Chloroethoxy)methane	0.429	0.433	-0.9	118	0.00
29 C	2,4-Dichlorophenol	0.285	0.300	-5.3	119	0.00
30	1,2,4-Trichlorobenzene	0.312	0.318	-1.9	118	0.00
31	Naphthalene	1.028	1.024	0.4	116	0.00
32	Benzoic acid	0.179	0.232	-29.6#	144	0.00
33	4-Chloroaniline	0.377	0.378	-0.3	118	0.00
34 C	Hexachlorobutadiene	0.194	0.199	-2.6	119	0.00
35	Caprolactam	0.088	0.094	-6.8	121	0.00
36 C	4-Chloro-3-methylphenol	0.317	0.331	-4.4	120	0.00
37	2-Methylnaphthalene	0.674	0.669	0.7	117	0.00
38	1-Methylnaphthalene	0.647	0.641	0.9	116	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.579	-0.2	118	0.00
41 P	Hexachlorocyclopentadiene	0.241	0.235	2.5	110	0.00
42 S	2,4,6-Tribromophenol	0.188	0.198	-5.3	120	0.00
43 C	2,4,6-Trichlorophenol	0.373	0.393	-5.4	119	0.00
44	2,4,5-Trichlorophenol	0.369	0.386	-4.6	122	0.00
45 S	2-Fluorobiphenyl	1.247	1.184	5.1	115	0.00
46	1,1'-Biphenyl	1.522	1.479	2.8	117	0.00
47	2-Chloronaphthalene	1.124	1.104	1.8	117	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141801.D
 Acq On : 27 Feb 2025 19:45
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.260	0.341	-31.2#	137	0.00
49	Acenaphthylene	1.685	1.681	0.2	118	0.00
50	Dimethylphthalate	1.339	1.348	-0.7	119	0.00
51	2,6-Dinitrotoluene	0.226	0.282	-24.8	132	0.00
52 C	Acenaphthene	1.137	1.151	-1.2	121	0.00
53	3-Nitroaniline	0.241	0.298	-23.7	130	0.00
54 P	2,4-Dinitrophenol	0.089	0.117	-31.5#	152#	0.00
55	Dibenzofuran	1.654	1.629	1.5	118	0.00
56 P	4-Nitrophenol	0.198	0.246	-24.2	130	0.00
57	2,4-Dinitrotoluene	0.269	0.356	-32.3#	137	0.00
58	Fluorene	1.239	1.194	3.6	117	0.00
59	2,3,4,6-Tetrachlorophenol	0.321	0.342	-6.5	122	0.00
60	Diethylphthalate	1.343	1.339	0.3	117	0.00
61	4-Chlorophenyl-phenylether	0.621	0.598	3.7	116	0.00
62	4-Nitroaniline	0.229	0.279	-21.8	126	0.00
63	Azobenzene	1.414	1.420	-0.4	119	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	117	0.00
65	4,6-Dinitro-2-methylphenol	0.081	0.106	-30.9#	143	0.00
66 c	n-Nitrosodiphenylamine	0.657	0.664	-1.1	117	0.00
67	4-Bromophenyl-phenylether	0.234	0.237	-1.3	117	0.00
68	Hexachlorobenzene	0.247	0.251	-1.6	117	0.00
69	Atrazine	0.181	0.174	3.9	114	0.00
70 C	Pentachlorophenol	0.156	0.172	-10.3	120	0.00
71	Phenanthrene	1.070	1.056	1.3	115	0.00
72	Anthracene	1.072	1.049	2.1	115	0.00
73	Carbazole	0.947	0.931	1.7	114	0.00
74	Di-n-butylphthalate	1.200	1.186	1.2	115	0.00
75 C	Fluoranthene	1.096	1.054	3.8	114	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77	Benzidine	0.252	0.472	-87.3#	201#	0.00
78	Pyrene	1.732	1.832	-5.8	113	0.00
79 S	Terphenyl-d14	1.236	1.268	-2.6	111	0.00
80	Butylbenzylphthalate	0.629	0.687	-9.2	114	0.00
81	Benzo(a)anthracene	1.321	1.329	-0.6	112	0.00
82	3,3'-Dichlorobenzidine	0.379	0.411	-8.4	116	0.00
83	Chrysene	1.218	1.233	-1.2	108	0.00
84	Bis(2-ethylhexyl)phthalate	0.783	0.849	-8.4	113	0.00
85 c	Di-n-octyl phthalate	1.173	1.350	-15.1	114	0.00
86 I	Perylene-d12	1.000	1.000	0.0	112	0.00
87	Indeno(1,2,3-cd)pyrene	1.274	1.393	-9.3	116	0.00
88	Benzo(b)fluoranthene	1.362	1.349	1.0	115	0.00
89	Benzo(k)fluoranthene	1.158	1.147	0.9	106	0.00
90 C	Benzo(a)pyrene	1.093	1.117	-2.2	112	0.00
91	Dibenzo(a,h)anthracene	1.040	1.136	-9.2	115	0.00
92	Benzo(g,h,i)perylene	1.065	1.171	-10.0	116	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141801.D
 Acq On : 27 Feb 2025 19:45
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	117	0.00
2	1,4-Dioxane	40.000	41.486	-3.7	116	0.00
3	Pyridine	40.000	42.572	-6.4	119	0.00
4	n-Nitrosodimethylamine	40.000	43.575	-8.9	119	0.00
5 S	2-Fluorophenol	80.000	82.443	-3.1	117	0.00
6	Aniline	40.000	42.857	-7.1	117	0.00
7 S	Phenol-d6	80.000	83.039	-3.8	117	0.00
8	2-Chlorophenol	40.000	42.011	-5.0	118	0.00
9	Benzaldehyde	40.000	43.684	-9.2	123	0.00
10 C	Phenol	40.000	41.614	-4.0	116	0.00
11	bis(2-Chloroethyl)ether	40.000	41.763	-4.4	121	0.00
12	1,3-Dichlorobenzene	40.000	41.498	-3.7	117	0.00
13 C	1,4-Dichlorobenzene	40.000	41.066	-2.7	116	0.00
14	1,2-Dichlorobenzene	40.000	40.857	-2.1	116	0.00
15	Benzyl Alcohol	40.000	42.564	-6.4	118	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.679	-6.7	121	0.00
17	2-Methylphenol	40.000	42.365	-5.9	119	0.00
18	Hexachloroethane	40.000	42.366	-5.9	117	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.525	-3.8	119	0.00
20	3+4-Methylphenols	40.000	41.840	-4.6	118	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	118	0.00
22	Acetophenone	40.000	40.417	-1.0	117	0.00
23 S	Nitrobenzene-d5	80.000	94.707	-18.4	128	0.00
24	Nitrobenzene	40.000	45.751	-14.4	125	0.00
25	Isophorone	40.000	40.944	-2.4	119	0.00
26 C	2-Nitrophenol	40.000	45.447	-13.6	139	0.00
27	2,4-Dimethylphenol	40.000	41.931	-4.8	120	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.357	-0.9	118	0.00
29 C	2,4-Dichlorophenol	40.000	42.157	-5.4	119	0.00
30	1,2,4-Trichlorobenzene	40.000	40.757	-1.9	118	0.00
31	Naphthalene	40.000	39.854	0.4	116	0.00
32	Benzoic acid	40.000	45.545	-13.9	144	0.00
33	4-Chloroaniline	40.000	40.096	-0.2	118	0.00
34 C	Hexachlorobutadiene	40.000	41.042	-2.6	119	0.00
35	Caprolactam	40.000	42.737	-6.8	121	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.844	-4.6	120	0.00
37	2-Methylnaphthalene	40.000	39.710	0.7	117	0.00
38	1-Methylnaphthalene	40.000	39.635	0.9	116	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	121	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.086	-0.2	118	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.975	2.6	110	0.00
42 S	2,4,6-Tribromophenol	80.000	84.321	-5.4	120	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.156	-5.4	119	0.00
44	2,4,5-Trichlorophenol	40.000	41.806	-4.5	122	0.00
45 S	2-Fluorobiphenyl	80.000	75.957	5.1	115	0.00
46	1,1'-Biphenyl	40.000	38.864	2.8	117	0.00
47	2-Chloronaphthalene	40.000	39.288	1.8	117	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141801.D
 Acq On : 27 Feb 2025 19:45
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022725

Quant Time: Feb 28 01:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	44.684	-11.7	137	0.00
49	Acenaphthylene	40.000	39.907	0.2	118	0.00
50	Dimethylphthalate	40.000	40.250	-0.6	119	0.00
51	2,6-Dinitrotoluene	40.000	44.292	-10.7	132	0.00
52 C	Acenaphthene	40.000	40.488	-1.2	121	0.00
53	3-Nitroaniline	40.000	43.938	-9.8	130	0.00
54 P	2,4-Dinitrophenol	40.000	47.494	-18.7	152	0.00
55	Dibenzofuran	40.000	39.391	1.5	118	0.00
56 P	4-Nitrophenol	40.000	49.725	-24.3	130	0.00
57	2,4-Dinitrotoluene	40.000	45.704	-14.3	137	0.00
58	Fluorene	40.000	38.547	3.6	117	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.607	-6.5	122	0.00
60	Diethylphthalate	40.000	39.896	0.3	117	0.00
61	4-Chlorophenyl-phenylether	40.000	38.546	3.6	116	0.00
62	4-Nitroaniline	40.000	48.866	-22.2	126	0.00
63	Azobenzene	40.000	40.188	-0.5	119	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	117	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.441	-13.6	143	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.431	-1.1	117	0.00
67	4-Bromophenyl-phenylether	40.000	40.614	-1.5	117	0.00
68	Hexachlorobenzene	40.000	40.697	-1.7	117	0.00
69	Atrazine	40.000	38.463	3.8	114	0.00
70 C	Pentachlorophenol	40.000	44.032	-10.1	120	0.00
71	Phenanthrene	40.000	39.475	1.3	115	0.00
72	Anthracene	40.000	39.126	2.2	115	0.00
73	Carbazole	40.000	39.317	1.7	114	0.00
74	Di-n-butylphthalate	40.000	39.540	1.2	115	0.00
75 C	Fluoranthene	40.000	38.448	3.9	114	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77	Benzydine	40.000	74.959	-87.4#	201	0.00
78	Pyrene	40.000	42.307	-5.8	113	0.00
79 S	Terphenyl-d14	80.000	82.060	-2.6	111	0.00
80	Butylbenzylphthalate	40.000	43.655	-9.1	114	0.00
81	Benzo(a)anthracene	40.000	40.236	-0.6	112	0.00
82	3,3'-Dichlorobenzidine	40.000	43.392	-8.5	116	0.00
83	Chrysene	40.000	40.491	-1.2	108	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.350	-8.4	113	0.00
85 c	Di-n-octyl phthalate	40.000	46.033	-15.1	114	0.00
86 I	Perylene-d12	20.000	20.000	0.0	112	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.754	-9.4	116	0.00
88	Benzo(b)fluoranthene	40.000	39.602	1.0	115	0.00
89	Benzo(k)fluoranthene	40.000	39.608	1.0	106	0.00
90 C	Benzo(a)pyrene	40.000	40.891	-2.2	112	0.00
91	Dibenzo(a,h)anthracene	40.000	43.693	-9.2	115	0.00
92	Benzo(g,h,i)perylene	40.000	43.969	-9.9	116	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

Instrument ID: BNA_F Calibration Date/Time: 03/07/2025 08:56

Lab File ID: BF141882.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.414	1.348		-4.7	
2-Fluorophenol	1.252	1.256		0.3	
Phenol-d6	1.630	1.579		-3.1	
1,4-Dichlorobenzene	1.462	1.487		1.7	20.0
2-Methylphenol	1.118	1.079		-3.5	
3+4-Methylphenols	1.392	1.368		-1.7	
Nitrobenzene-d5	0.313	0.378		20.8	
Hexachloroethane	0.547	0.553		1.1	
Nitrobenzene	0.335	0.376		12.2	
Hexachlorobutadiene	0.194	0.214		10.3	20.0
2,4,6-Trichlorophenol	0.373	0.408		9.4	20.0
2-Fluorobiphenyl	1.247	1.329		6.6	
2,4,5-Trichlorophenol	0.369	0.436		18.2	
2,4-Dinitrotoluene	0.269	0.415		54.3	
2,4,6-Tribromophenol	0.188	0.260		38.3	
Hexachlorobenzene	0.247	0.280		13.4	
Pentachlorophenol	0.156	0.195		25.0	20.0
Terphenyl-d14	1.236	1.349		9.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141882.D
 Acq On : 07 Mar 2025 08:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	205331	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	782990	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	424782	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	725251	20.000	ng	0.00
76) Chrysene-d12	14.045	240	490278	20.000	ng	# 0.00
86) Perylene-d12	15.516	264	391726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1031377	80.217	ng	0.00
7) Phenol-d6	6.510	99	1296674	77.483	ng	0.00
23) Nitrobenzene-d5	7.451	82	1184936	96.733	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	442578	110.979	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2257414	85.212	ng	0.00
79) Terphenyl-d14	12.992	244	2645443	87.300	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	224036	38.402	ng	94
3) Pyridine	3.452	79	553758	38.149	ng	94
4) n-Nitrosodimethylamine	3.405	42	267805	38.344	ng	# 95
6) Aniline	6.551	93	641254	36.857	ng	99
8) 2-Chlorophenol	6.669	128	553709	39.810	ng	98
9) Benzaldehyde	6.440	77	321005	32.976	ng	98
10) Phenol	6.522	94	685809	38.350	ng	94
11) bis(2-Chloroethyl)ether	6.622	93	498913	36.600	ng	95
12) 1,3-Dichlorobenzene	6.828	146	601225	40.364	ng	99
13) 1,4-Dichlorobenzene	6.904	146	610492	40.677	ng	100
14) 1,2-Dichlorobenzene	7.057	146	568639	40.575	ng	100
15) Benzyl Alcohol	7.022	79	523102	39.112	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	591614	28.578	ng	93
17) 2-Methylphenol	7.134	107	442917	38.580	ng	97
18) Hexachloroethane	7.398	117	226945	40.401	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	389005	35.361	ng	97
20) 3+4-Methylphenols	7.287	107	561800	39.298	ng	# 90
22) Acetophenone	7.298	105	768440	40.296	ng	96
24) Nitrobenzene	7.469	77	588671	44.877	ng	98
25) Isophorone	7.704	82	983654	37.378	ng	99
26) 2-Nitrophenol	7.781	139	297950	50.577	ng	97
27) 2,4-Dimethylphenol	7.816	122	390066	40.322	ng	97
28) bis(2-Chloroethoxy)met...	7.916	93	609152	36.287	ng	99
29) 2,4-Dichlorophenol	8.022	162	475142	42.576	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	519011	42.442	ng	99
31) Naphthalene	8.193	128	1645331	40.885	ng	100
32) Benzoic acid	7.934	122	382129	47.436	ng	99
33) 4-Chloroaniline	8.234	127	578275	39.191	ng	99
34) Hexachlorobutadiene	8.304	225	335125	44.100	ng	98
35) Caprolactam	8.610	113	146525	42.679	ng	# 85
36) 4-Chloro-3-methylphenol	8.710	107	530951	42.828	ng	99
37) 2-Methylnaphthalene	8.881	142	1066463	40.403	ng	100
38) 1-Methylnaphthalene	8.981	142	1032881	40.781	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	529113	43.129	ng	99
41) Hexachlorocyclopentadiene	9.034	237	222751	43.507	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	346714	43.751	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141882.D
 Acq On : 07 Mar 2025 08:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

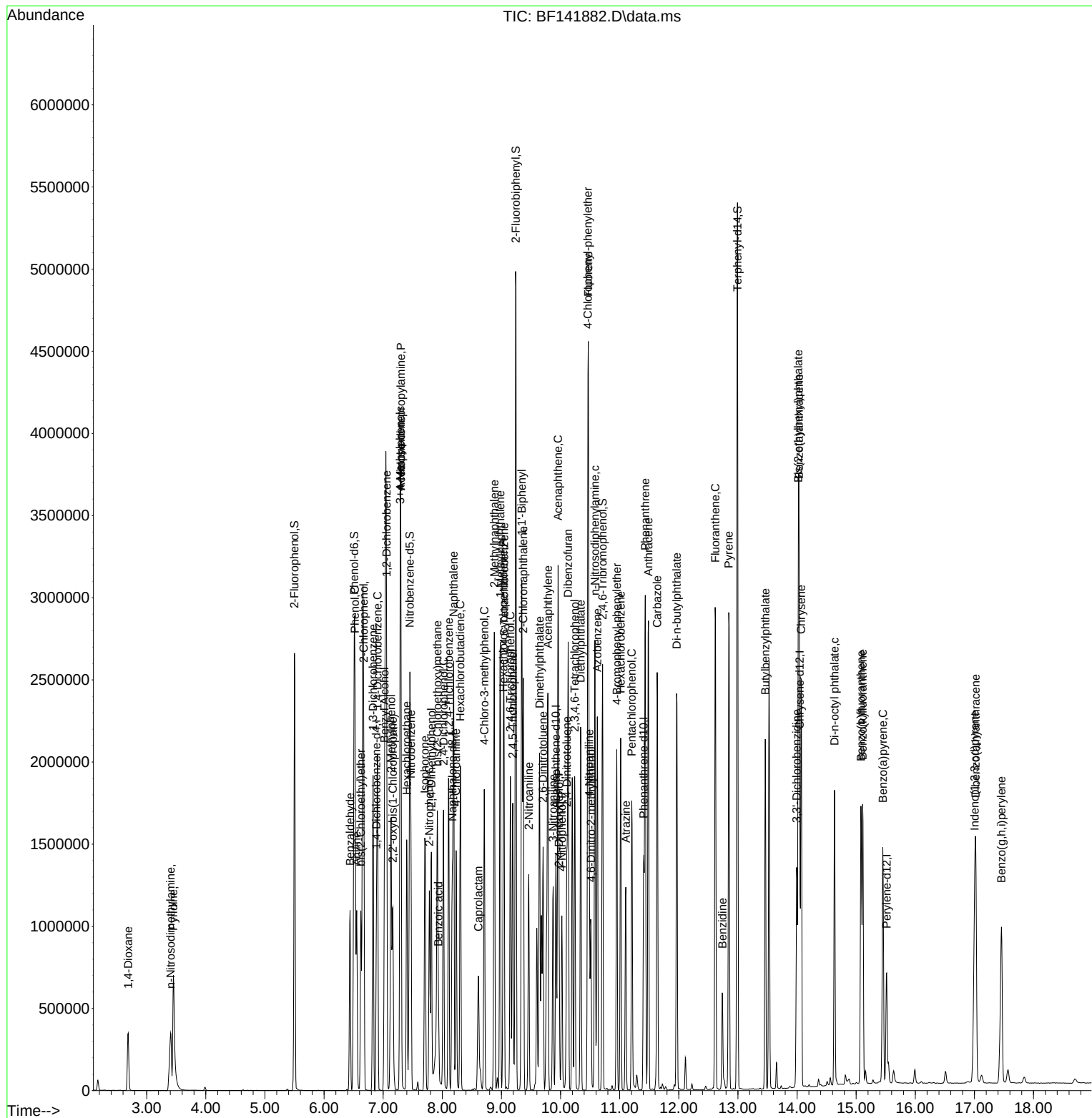
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	370446	47.207	ng	99
46) 1,1'-Biphenyl	9.345	154	1325077	40.983	ng	99
47) 2-Chloronaphthalene	9.369	162	995170	41.702	ng	100
48) 2-Nitroaniline	9.463	65	310512	47.578	ng	95
49) Acenaphthylene	9.787	152	1482184	41.425	ng	100
50) Dimethylphthalate	9.645	163	1195459	42.024	ng	100
51) 2,6-Dinitrotoluene	9.704	165	263902	48.466	ng	94
52) Acenaphthene	9.957	154	1065668	44.141	ng	98
53) 3-Nitroaniline	9.875	138	279903	48.270	ng	# 93
54) 2,4-Dinitrophenol	9.975	184	150349	64.789	ng	# 1
55) Dibenzofuran	10.128	168	1447705	41.199	ng	98
56) 4-Nitrophenol	10.022	139	233707	55.625	ng	95
57) 2,4-Dinitrotoluene	10.104	165	352174	52.617	ng	95
58) Fluorene	10.469	166	1131091	42.973	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	325495	47.692	ng	99
60) Diethylphthalate	10.339	149	1196331	41.951	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	576098	43.684	ng	99
62) 4-Nitroaniline	10.486	138	278576	57.344	ng	95
63) Azobenzene	10.622	77	1132824	37.727	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	203648	57.660	ng	88
66) n-Nitrosodiphenylamine	10.581	169	958807	40.261	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	363416	42.900	ng	99
68) Hexachlorobenzene	11.016	284	405812	45.366	ng	97
69) Atrazine	11.104	200	225851	34.487	ng	99
70) Pentachlorophenol	11.204	266	283509	49.971	ng	100
71) Phenanthrene	11.433	178	1627067	41.941	ng	99
72) Anthracene	11.486	178	1625869	41.818	ng	99
73) Carbazole	11.633	167	1464842	42.664	ng	100
74) Di-n-butylphthalate	11.963	149	1777768	40.848	ng	100
75) Fluoranthene	12.616	202	1741431	43.809	ng	97
77) Benzidine	12.739	184	334863	54.265	ng	100
78) Pyrene	12.845	202	1750834	41.240	ng	100
80) Butylbenzylphthalate	13.463	149	675703	43.806	ng	97
81) Benzo(a)anthracene	14.033	228	1314838	40.602	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	389271	41.897	ng	99
83) Chrysene	14.069	228	1218583	40.821	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	866982	45.141	ng	99
85) Di-n-octyl phthalate	14.633	149	1171115	40.729	ng	96
87) Indeno(1,2,3-cd)pyrene	17.004	276	1076120	43.142	ng	94
88) Benzo(b)fluoranthene	15.080	252	1123711	42.113	ng	98
89) Benzo(k)fluoranthene	15.110	252	906957	39.990	ng	98
90) Benzo(a)pyrene	15.451	252	879490	41.098	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	877994	43.122	ng	# 95
92) Benzo(g,h,i)perylene	17.457	276	902824	43.283	ng	# 95

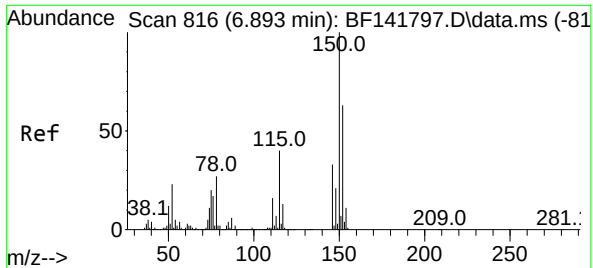
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

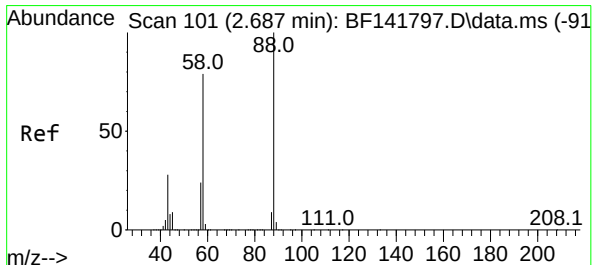
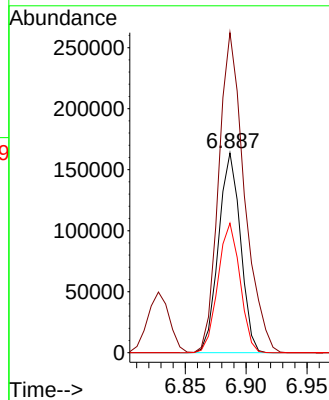
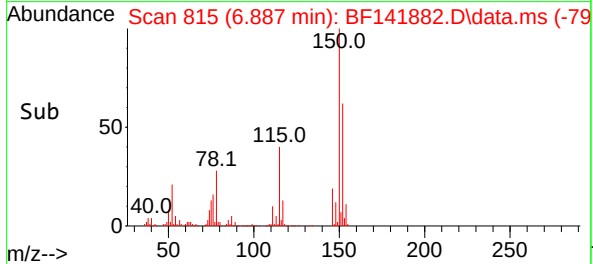
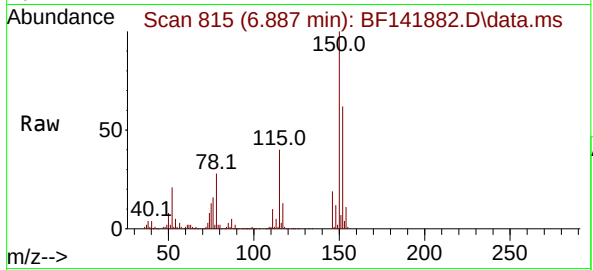




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

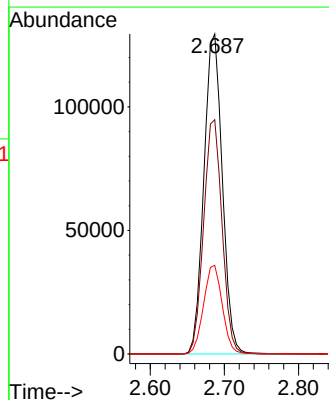
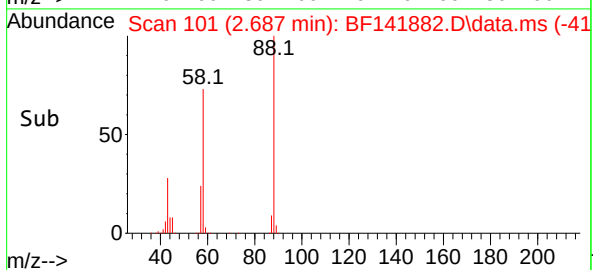
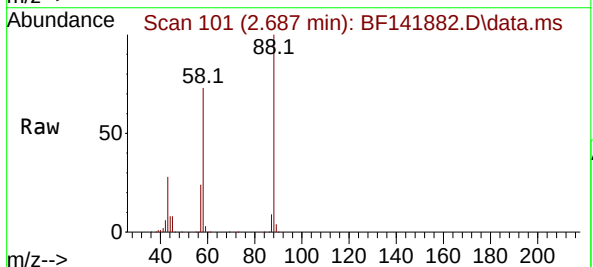
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

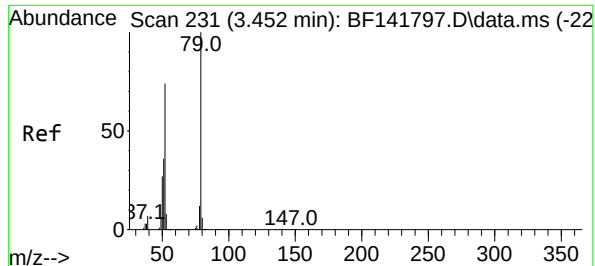
Tgt Ion:152 Resp: 205331
Ion Ratio Lower Upper
152 100
150 160.3 127.5 191.3
115 64.9 51.4 77.2



#2
1,4-Dioxane
Concen: 38.402 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 88 Resp: 224036
Ion Ratio Lower Upper
88 100
58 73.0 63.9 95.9
43 28.2 23.0 34.6





#3

Pyridine

Concen: 38.149 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

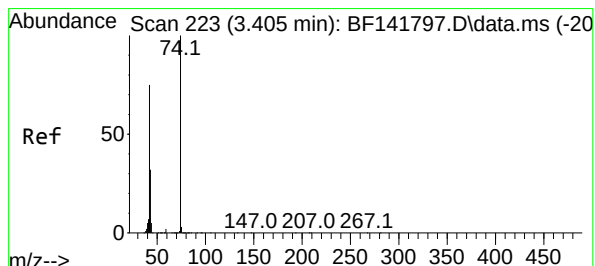
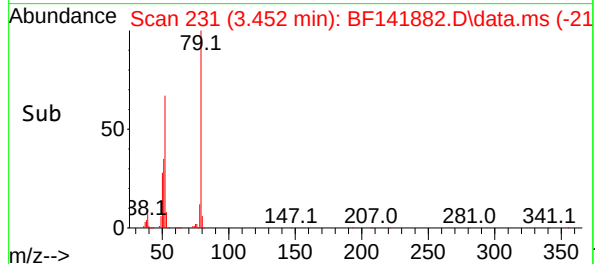
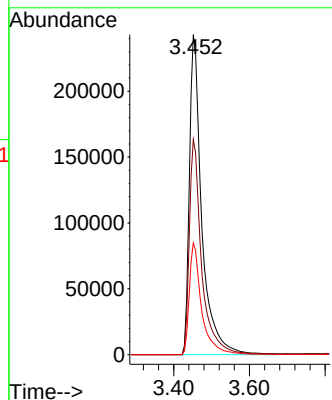
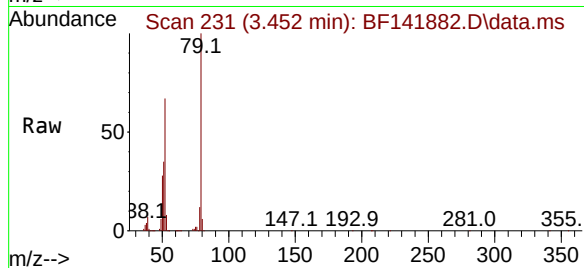
Tgt Ion: 79 Resp: 553758

Ion Ratio Lower Upper

79 100

52 67.2 59.0 88.4

51 34.9 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 38.344 ng

RT: 3.405 min Scan# 223

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

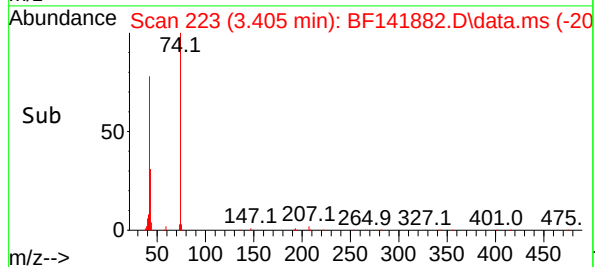
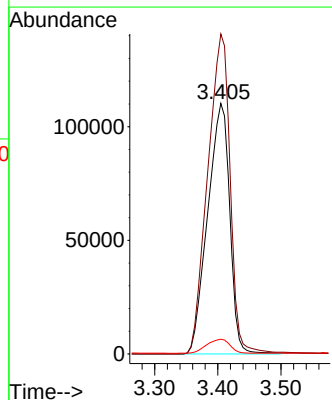
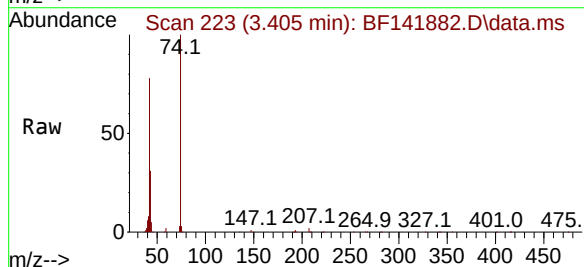
Tgt Ion: 42 Resp: 267805

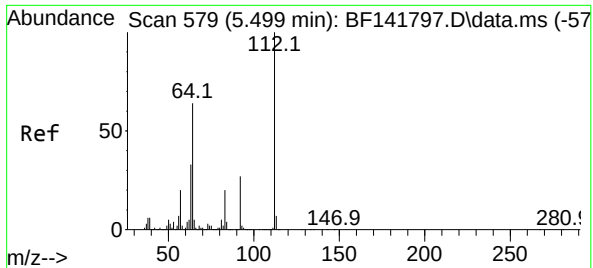
Ion Ratio Lower Upper

42 100

74 127.7 107.1 160.7

44 5.9 6.6 9.8

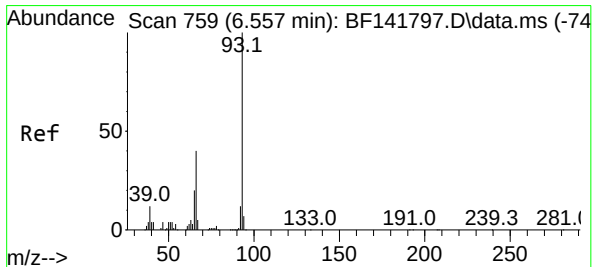
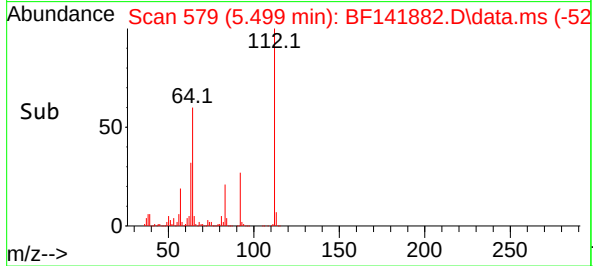
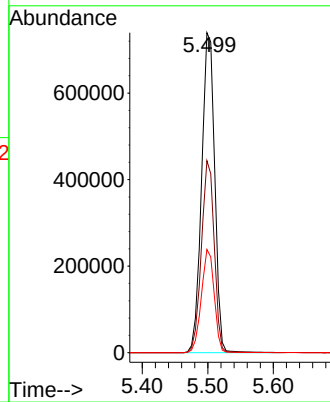
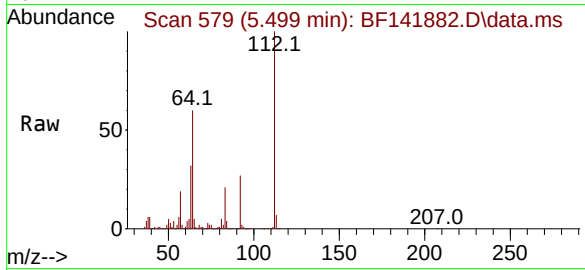




#5
2-Fluorophenol
Concen: 80.217 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

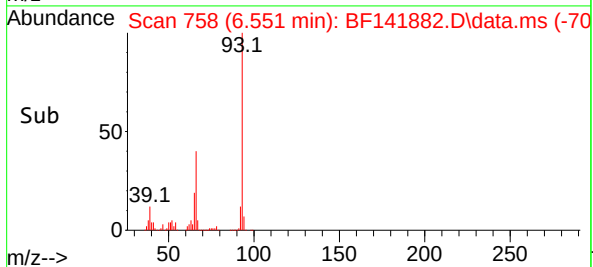
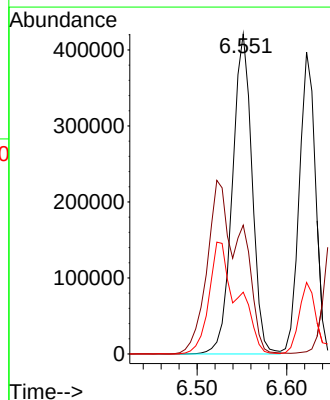
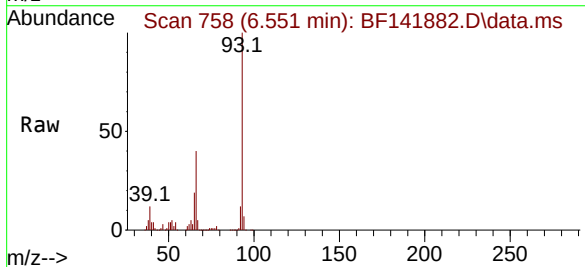
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

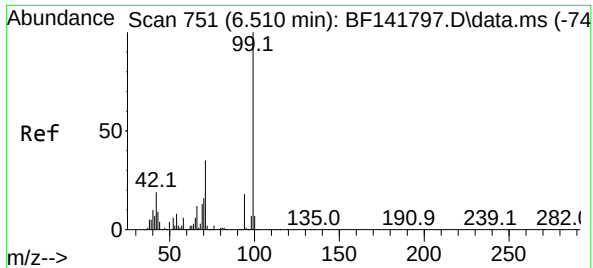
Tgt Ion:112 Resp: 1031377
Ion Ratio Lower Upper
112 100
64 60.0 51.3 76.9
63 32.2 26.2 39.4



#6
Aniline
Concen: 36.857 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 93 Resp: 641254
Ion Ratio Lower Upper
93 100
66 40.2 32.3 48.5
65 19.3 15.9 23.9

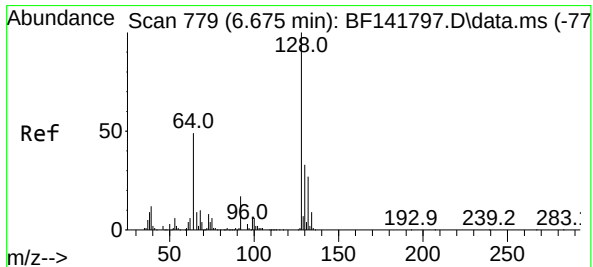
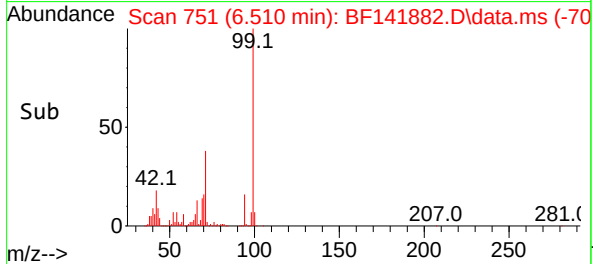
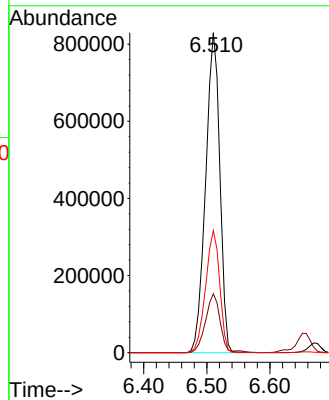
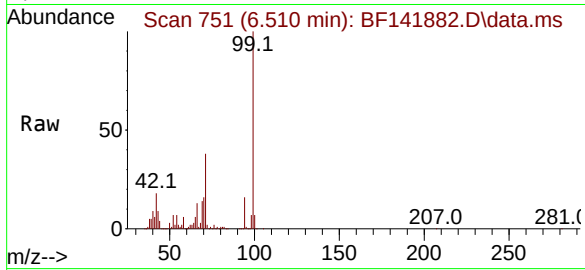




#7
Phenol-d6
Concen: 77.483 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

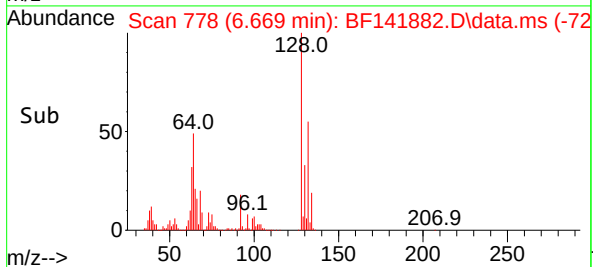
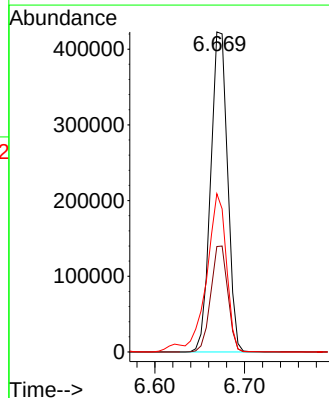
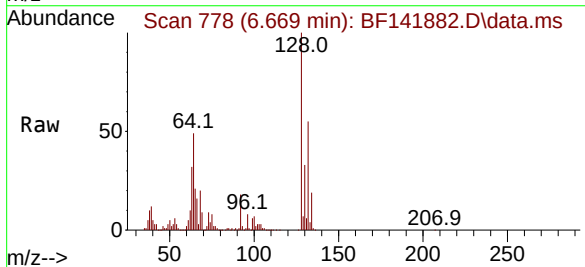
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

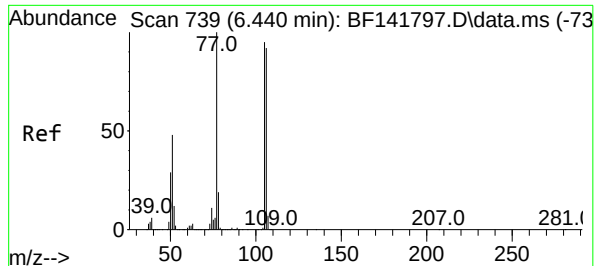
Tgt Ion: 99 Resp: 1296674
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 38.2 28.2 42.2



#8
2-Chlorophenol
Concen: 39.810 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 128 Resp: 553709
Ion Ratio Lower Upper
128 100
130 32.9 12.6 52.6
64 49.5 31.1 71.1

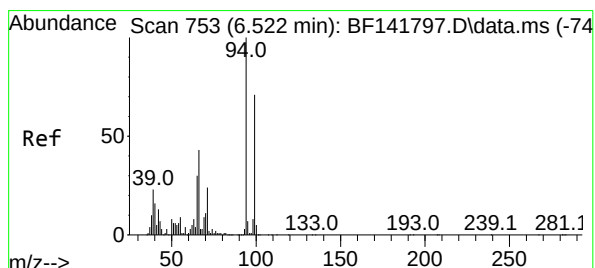
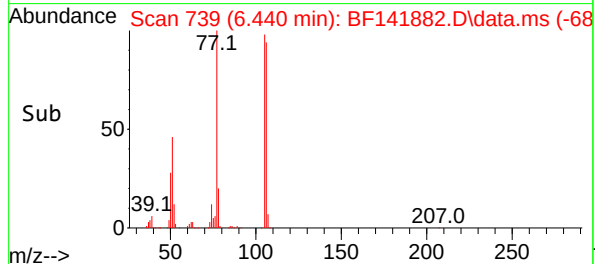
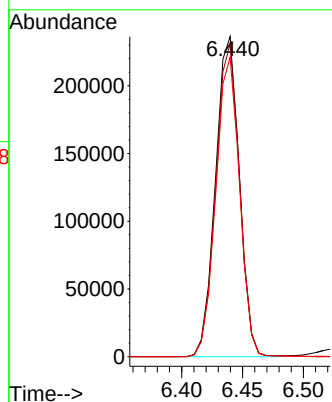
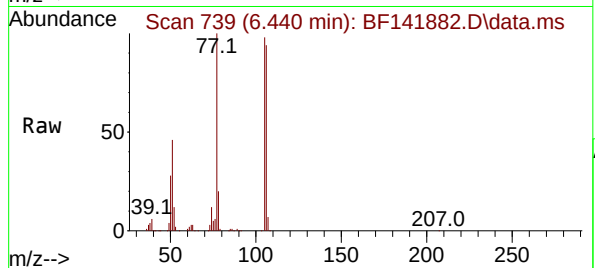




#9
Benzaldehyde
Concen: 32.976 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

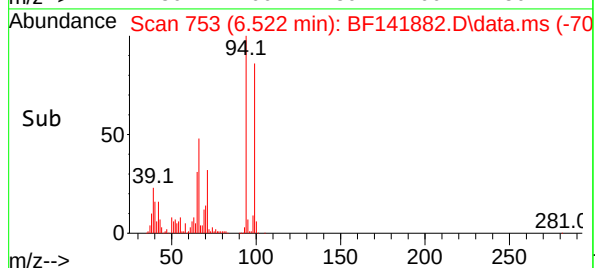
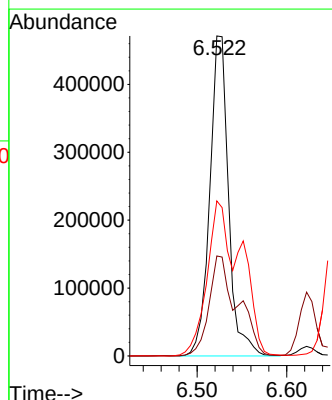
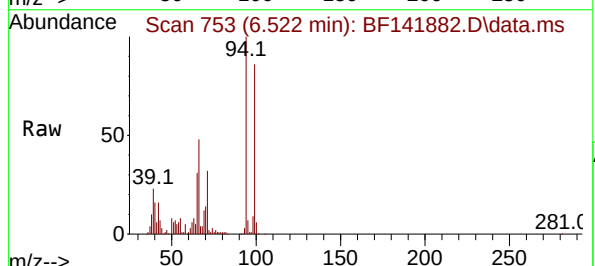
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

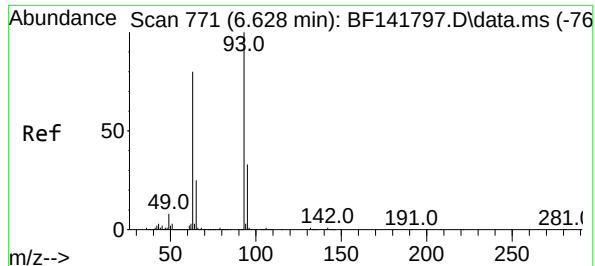
Tgt Ion: 77 Resp: 321005
Ion Ratio Lower Upper
77 100
105 97.8 75.3 115.3
106 93.6 72.3 112.3



#10
Phenol
Concen: 38.350 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 94 Resp: 685809
Ion Ratio Lower Upper
94 100
65 31.2 10.2 50.2
66 48.5 23.2 63.2

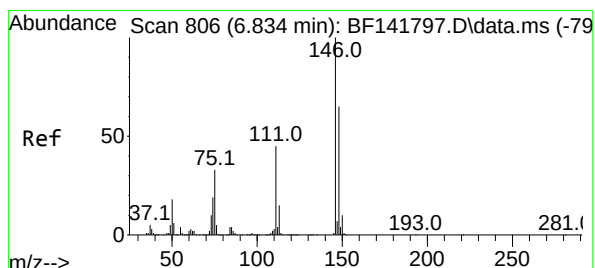
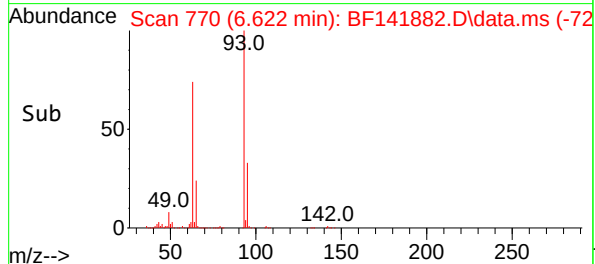
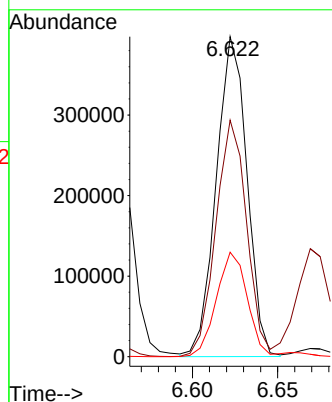
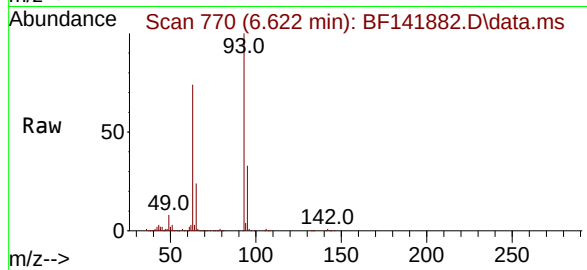




#11
bis(2-Chloroethyl)ether
Concen: 36.600 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

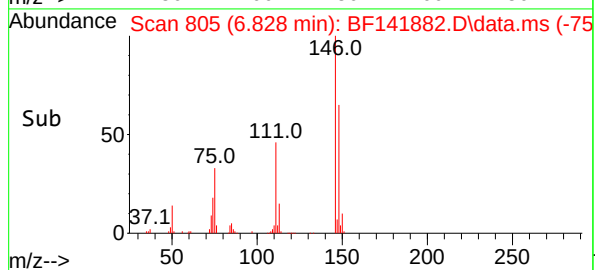
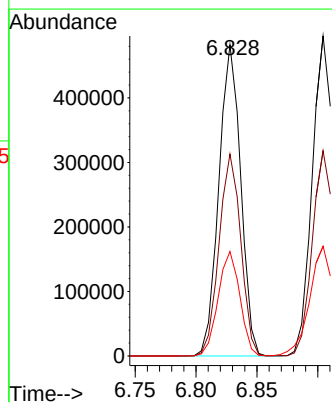
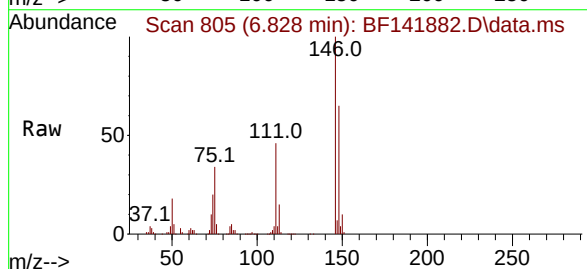
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

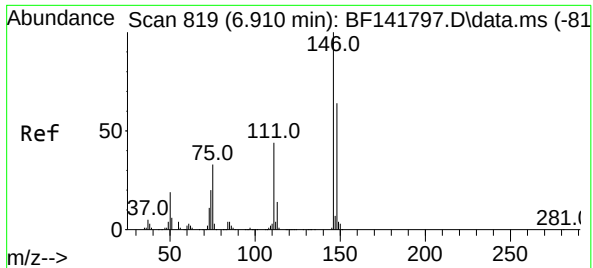
Tgt Ion: 93 Resp: 498913
Ion Ratio Lower Upper
93 100
63 73.9 59.3 99.3
95 32.7 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 40.364 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 146 Resp: 601225
Ion Ratio Lower Upper
146 100
148 64.9 51.8 77.6
75 33.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.677 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

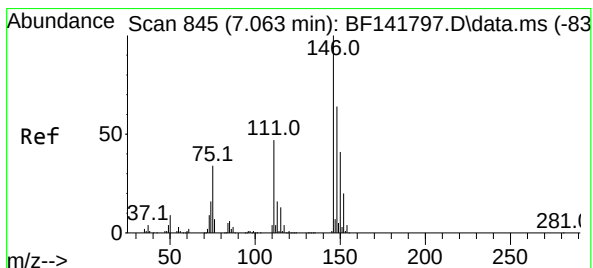
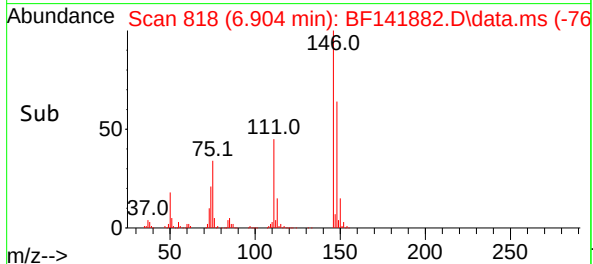
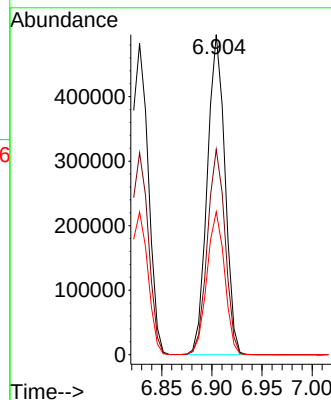
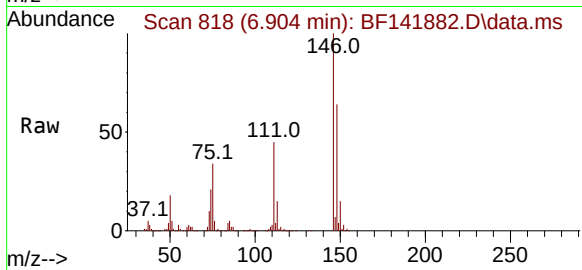
Tgt Ion:146 Resp: 610492

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 44.7 35.5 53.3



#14

1,2-Dichlorobenzene

Concen: 40.575 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

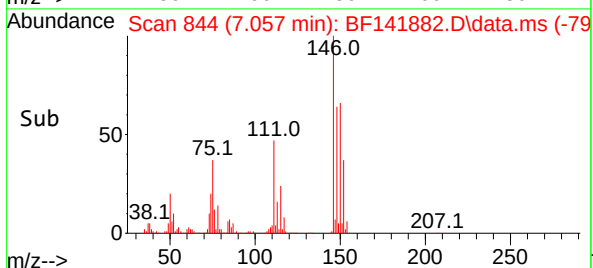
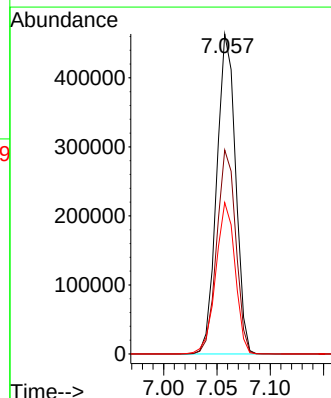
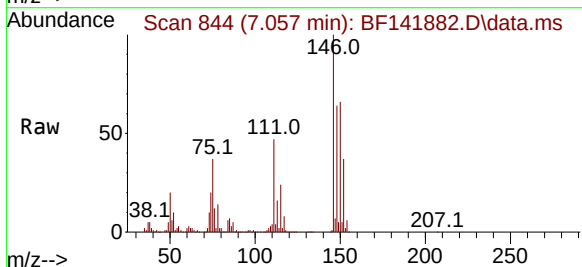
Tgt Ion:146 Resp: 568639

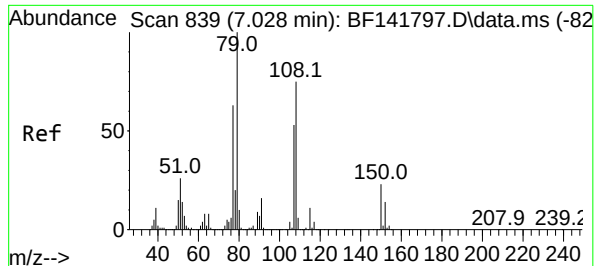
Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

111 47.3 37.8 56.6





#15

Benzyl Alcohol

Concen: 39.112 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

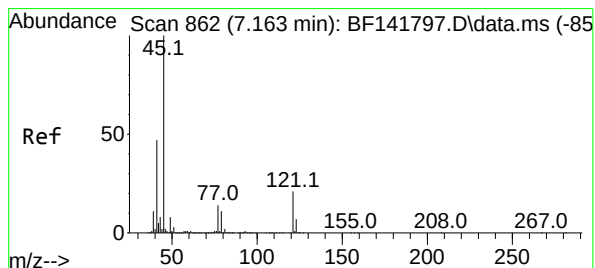
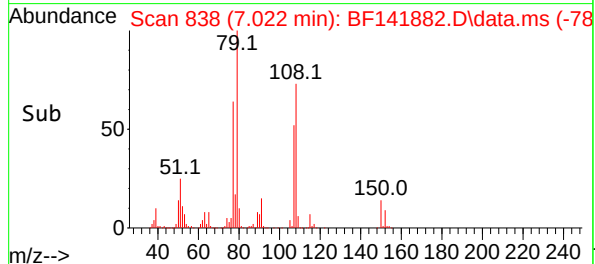
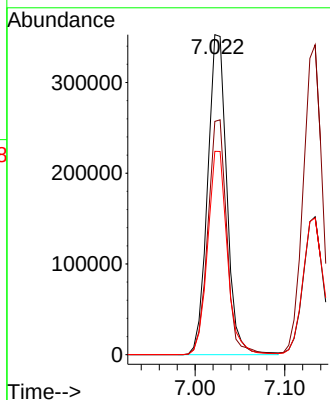
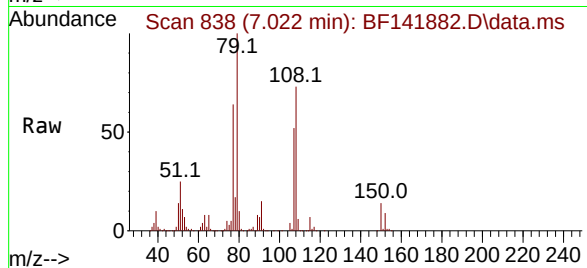
Tgt Ion: 79 Resp: 523102

Ion Ratio Lower Upper

79 100

108 72.9 60.2 90.2

77 63.5 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 28.578 ng

RT: 7.163 min Scan# 862

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

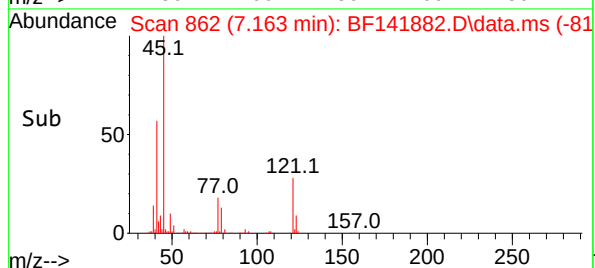
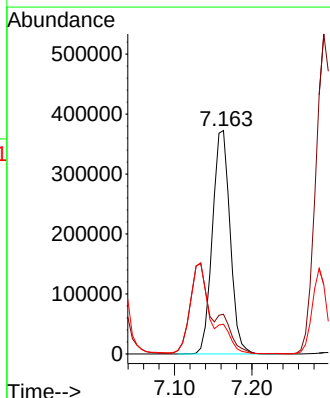
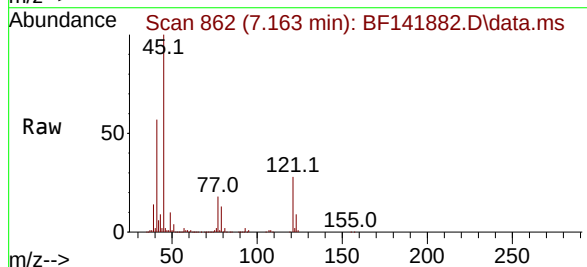
Tgt Ion: 45 Resp: 591614

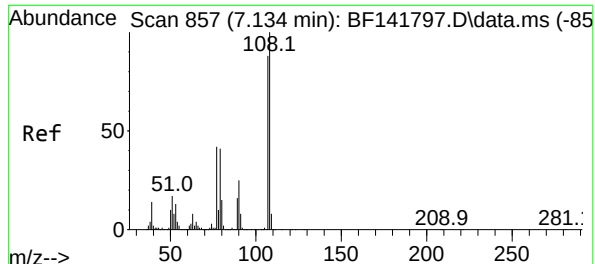
Ion Ratio Lower Upper

45 100

77 17.8 0.0 34.4

79 13.3 0.0 30.9





#17

2-Methylphenol

Concen: 38.580 ng

RT: 7.134 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

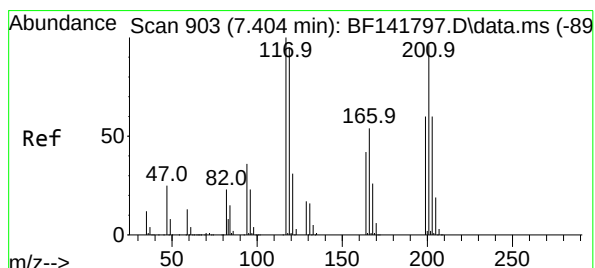
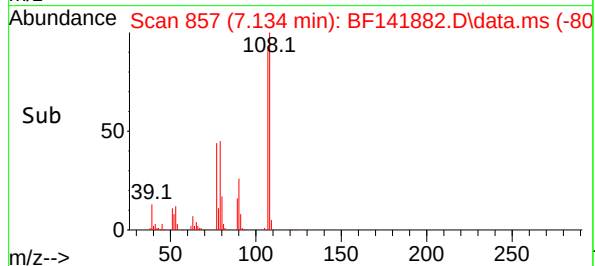
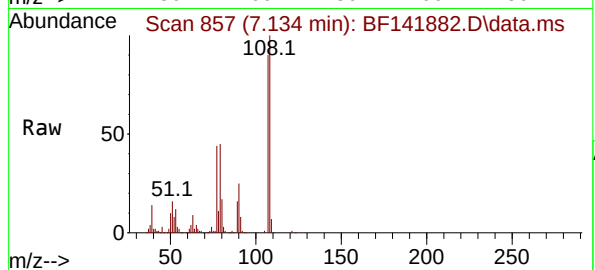
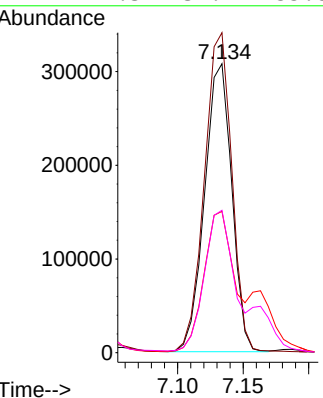
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 442917

Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.6	135.8
77	48.9	37.7	56.5
79	49.3	37.2	55.8



#18

Hexachloroethane

Concen: 40.401 ng

RT: 7.398 min Scan# 902

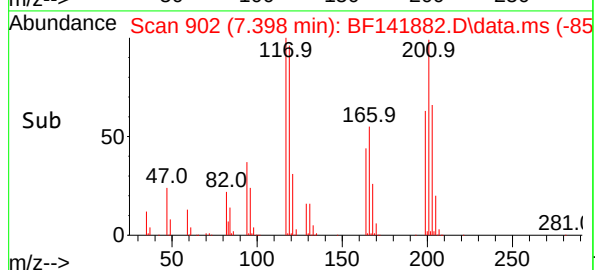
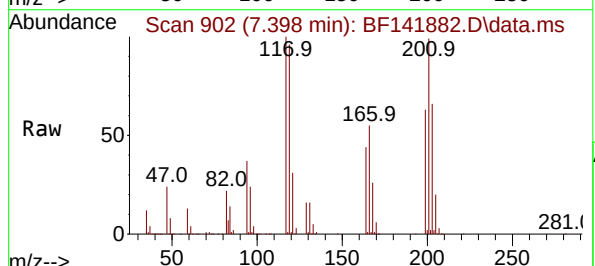
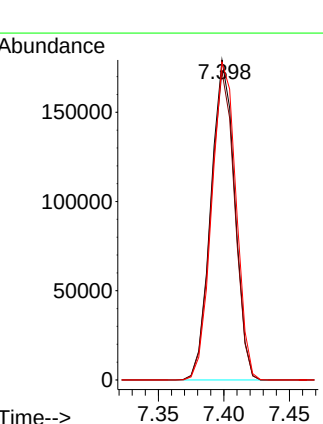
Delta R.T. -0.006 min

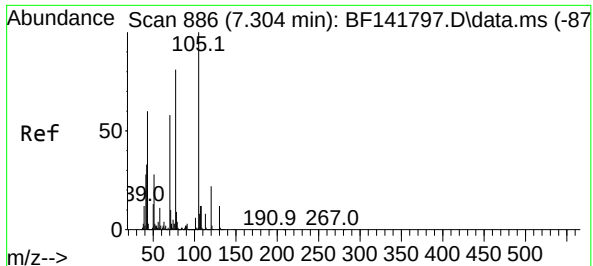
Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Tgt Ion:117 Resp: 226945

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	99.3	76.7	115.1

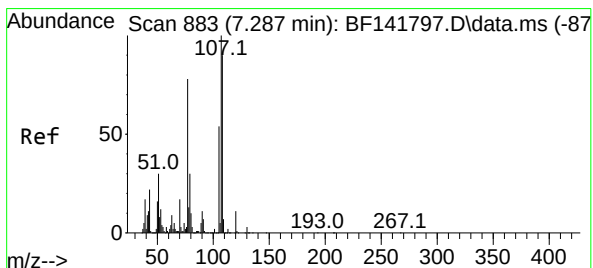
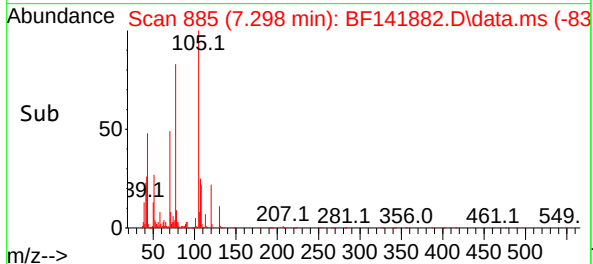
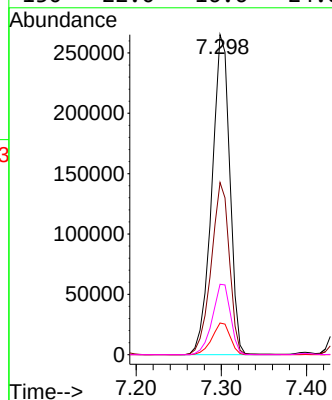
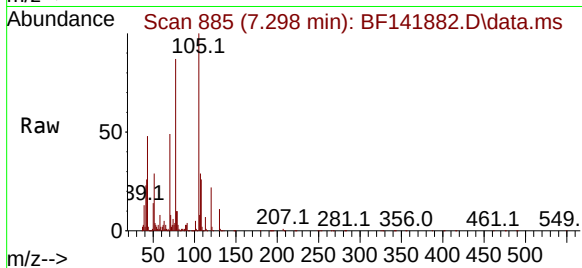




#19
n-Nitroso-di-n-propylamine
Concen: 35.361 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

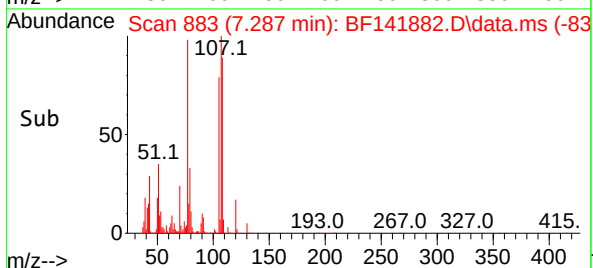
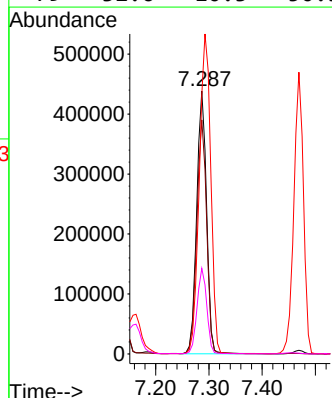
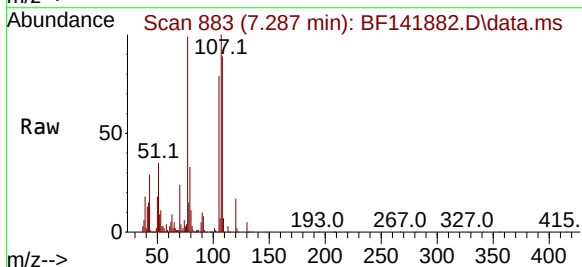
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

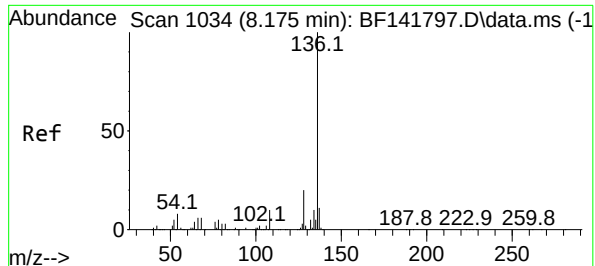
Tgt Ion: 70 Resp: 389005
Ion Ratio Lower Upper
70 100
42 53.8 45.4 68.0
101 9.9 7.8 11.8
130 22.0 16.6 24.8



#20
3+4-Methylphenols
Concen: 39.298 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 107 Resp: 561800
Ion Ratio Lower Upper
107 100
108 89.0 69.7 109.7
77 98.5 58.3 98.3#
79 32.6 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 782990

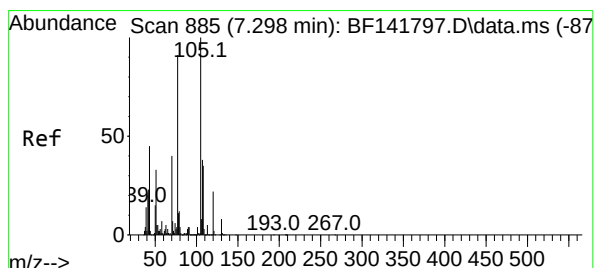
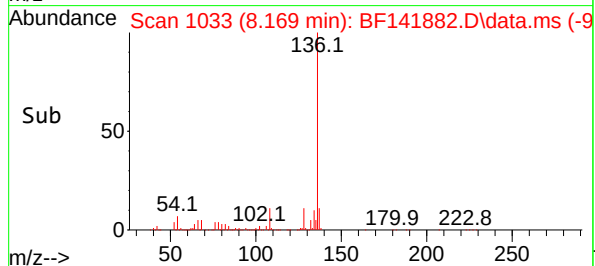
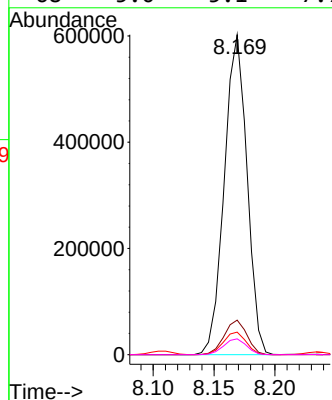
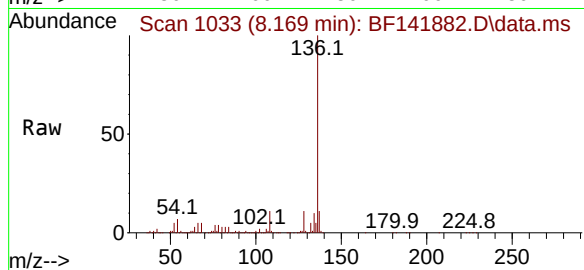
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.0 6.9 10.3

68 5.0 5.1 7.7#



#22

Acetophenone

Concen: 40.296 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Tgt Ion:105 Resp: 768440

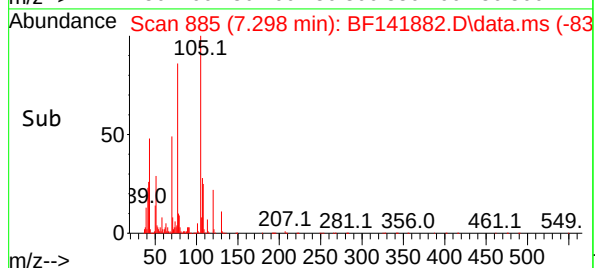
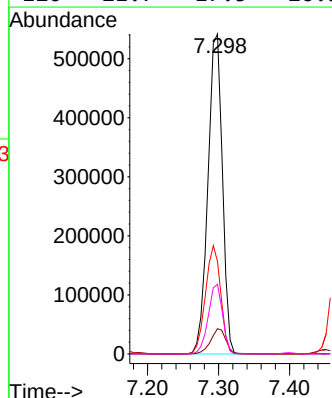
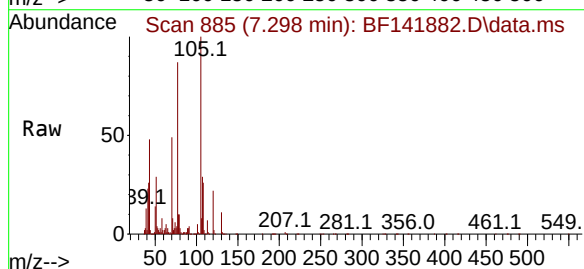
Ion Ratio Lower Upper

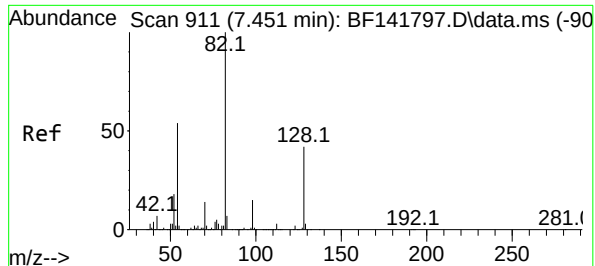
105 100

71 7.9 5.4 8.0

51 29.0 26.1 39.1

120 21.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 96.733 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

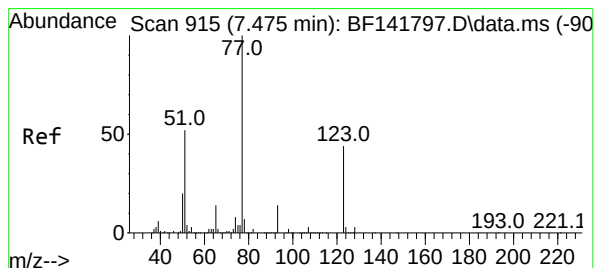
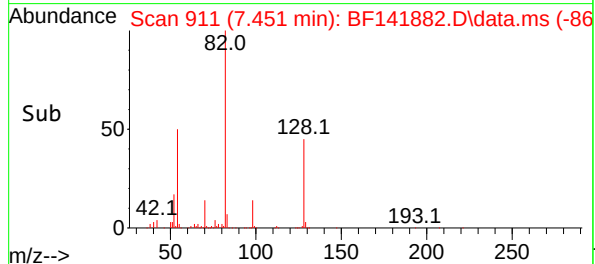
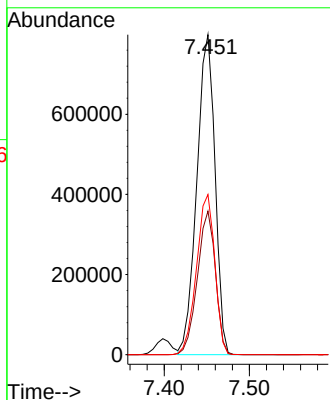
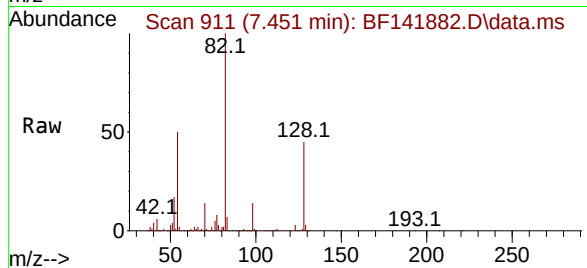
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1184936

Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.5	50.3
54	50.0	42.7	64.1



#24

Nitrobenzene

Concen: 44.877 ng

RT: 7.469 min Scan# 914

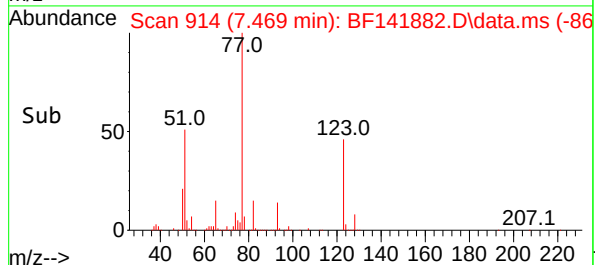
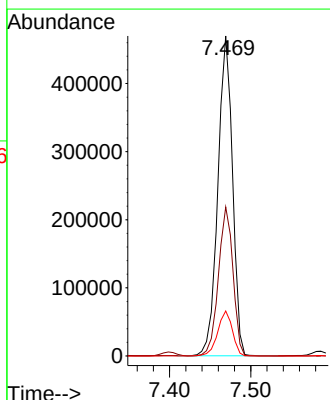
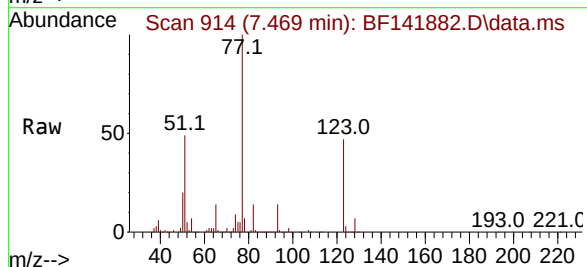
Delta R.T. -0.006 min

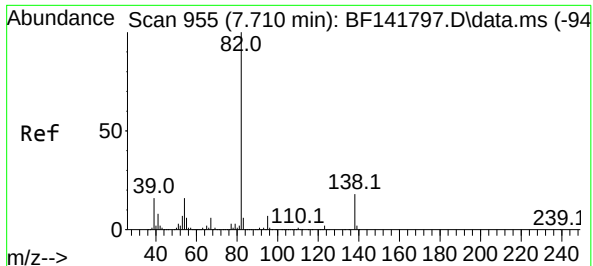
Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Tgt Ion: 77 Resp: 588671

Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.8	53.8
65	14.1	11.2	16.8

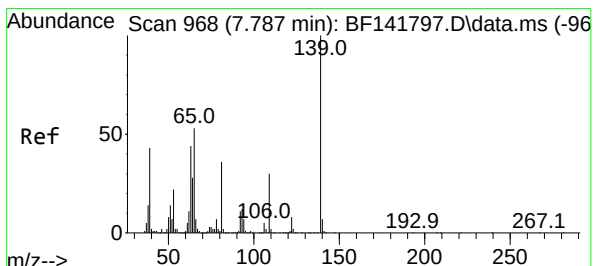
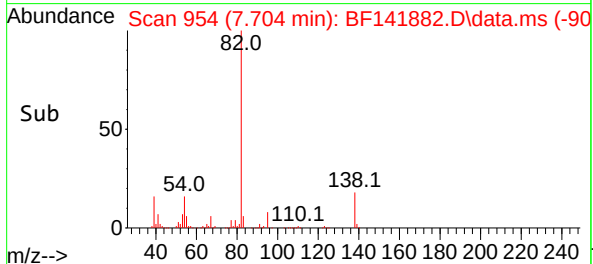
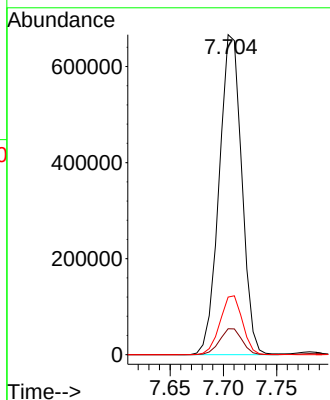
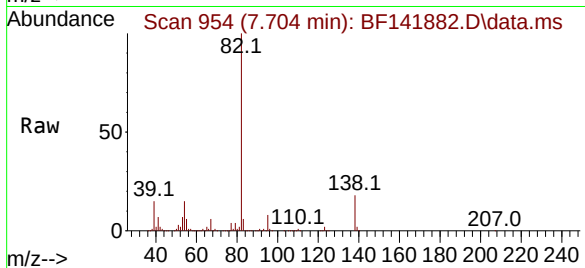




#25
Isophorone
Concen: 37.378 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

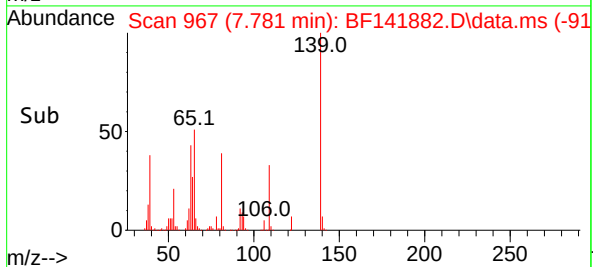
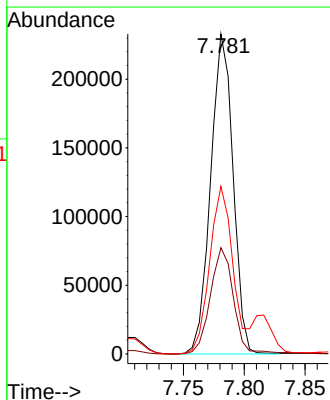
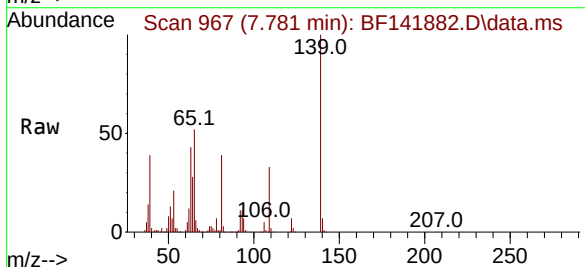
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

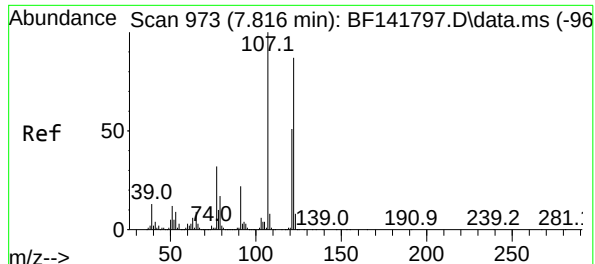
Tgt Ion: 82 Resp: 983654
Ion Ratio Lower Upper
82 100
95 8.1 5.8 8.8
138 18.0 14.0 21.0



#26
2-Nitrophenol
Concen: 50.577 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 139 Resp: 297950
Ion Ratio Lower Upper
139 100
109 33.2 24.1 36.1
65 52.4 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 40.322 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

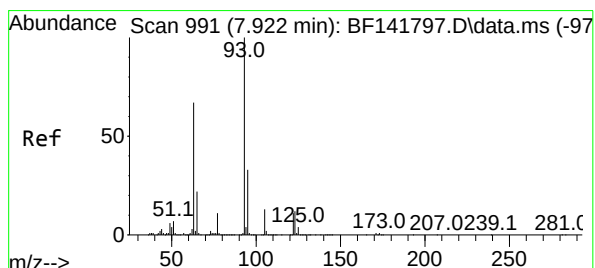
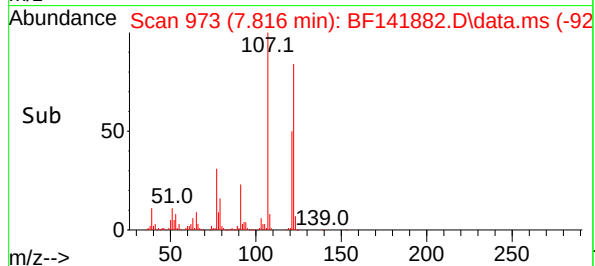
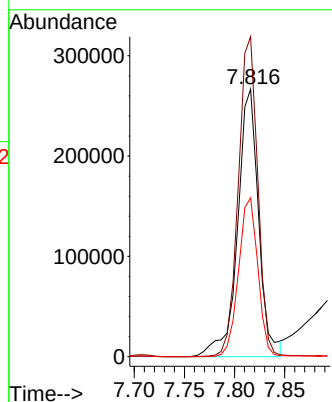
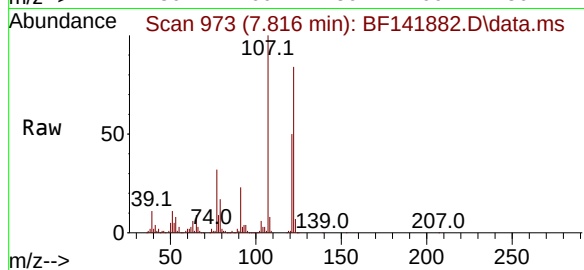
Tgt Ion:122 Resp: 390066

Ion Ratio Lower Upper

122 100

107 119.6 92.5 138.7

121 59.4 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 36.287 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

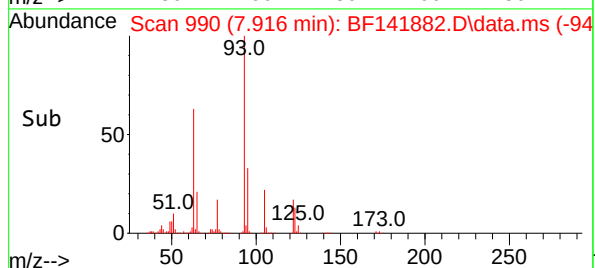
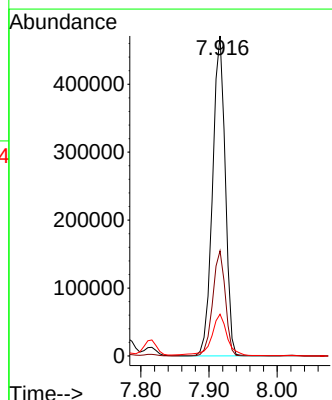
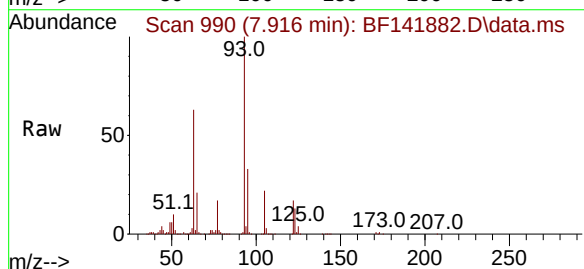
Tgt Ion: 93 Resp: 609152

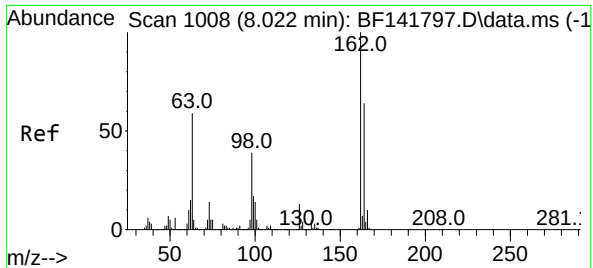
Ion Ratio Lower Upper

93 100

95 32.8 26.5 39.7

123 13.0 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.576 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

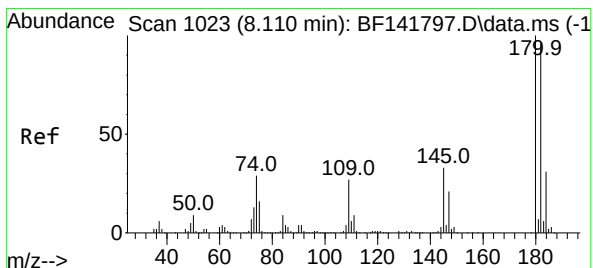
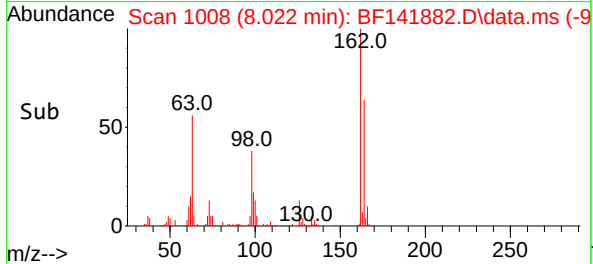
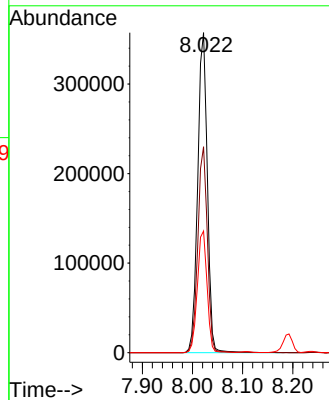
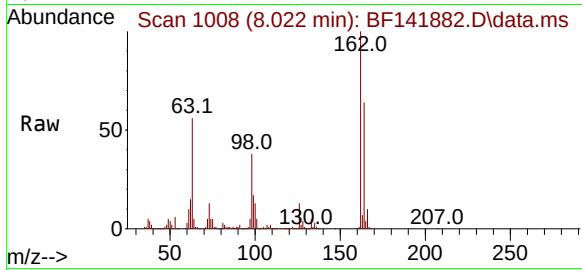
Tgt Ion:162 Resp: 475142

Ion Ratio Lower Upper

162 100

164 64.3 44.3 84.3

98 38.0 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 42.442 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

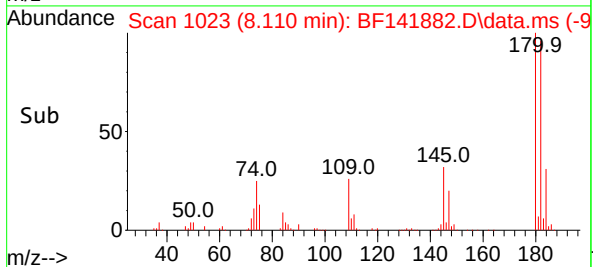
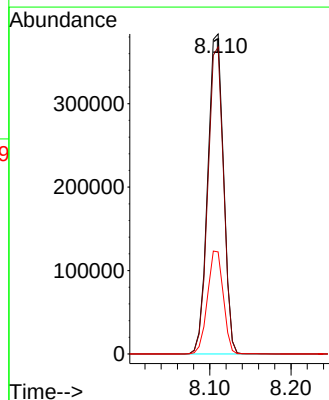
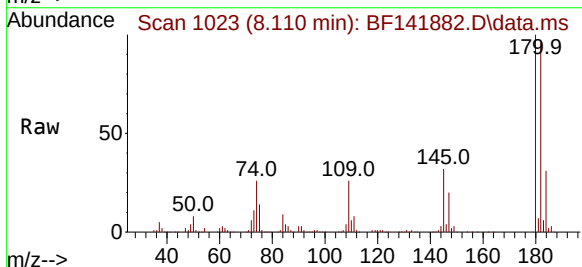
Tgt Ion:180 Resp: 519011

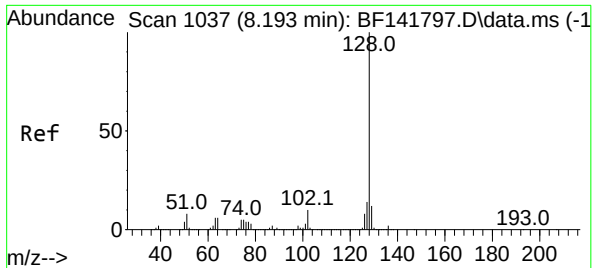
Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 31.9 26.4 39.6

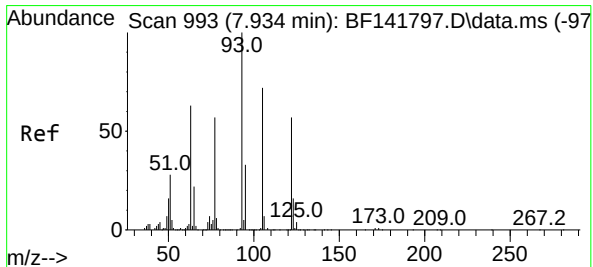
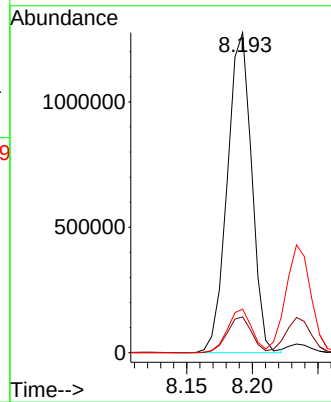
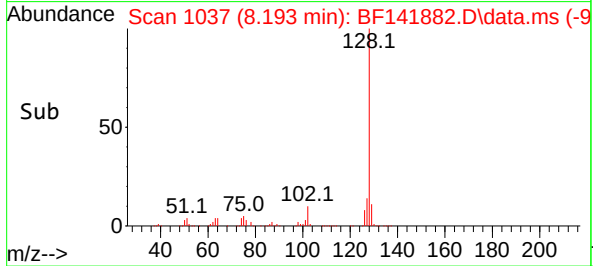
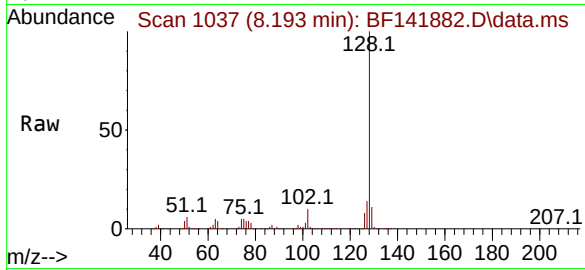




#31
Naphthalene
Concen: 40.885 ng
RT: 8.193 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

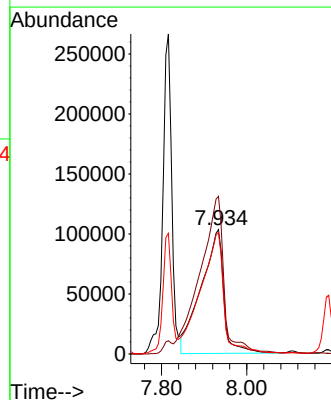
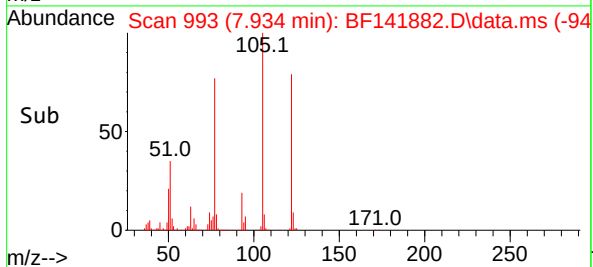
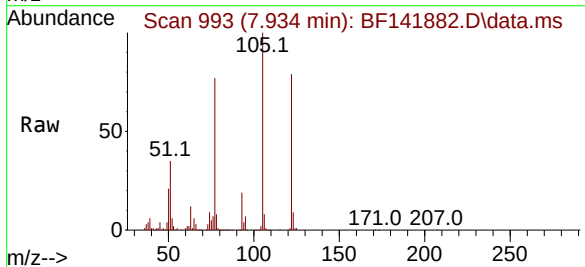
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

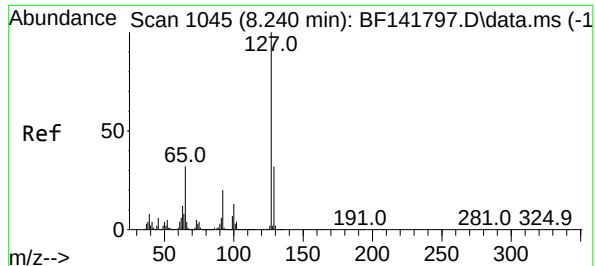
Tgt Ion:128 Resp: 1645331
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.6 11.0 16.4



#32
Benzoic acid
Concen: 47.436 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:122 Resp: 382129
Ion Ratio Lower Upper
122 100
105 126.7 105.8 145.8
77 97.7 79.9 119.9





#33

4-Chloroaniline

Concen: 39.191 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 578275

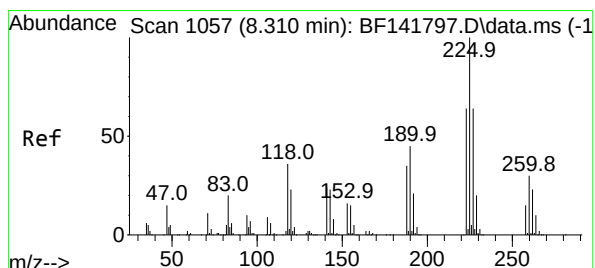
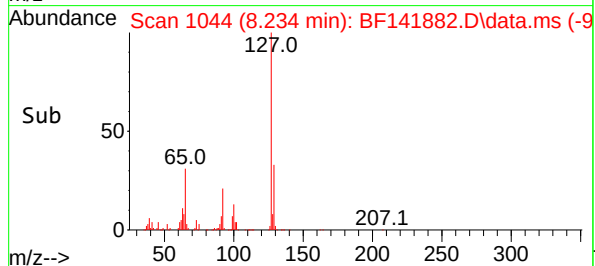
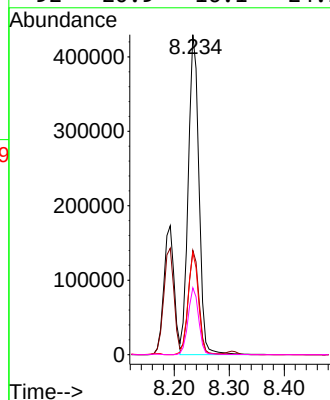
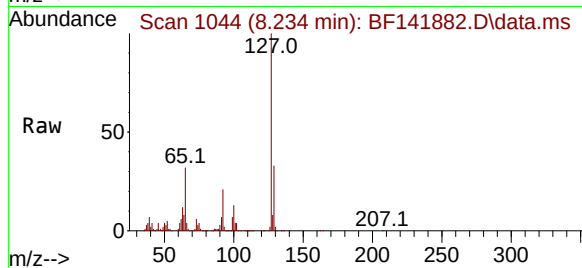
Ion Ratio Lower Upper

127 100

129 32.6 26.1 39.1

65 31.9 25.7 38.5

92 20.9 16.1 24.1



#34

Hexachlorobutadiene

Concen: 44.100 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

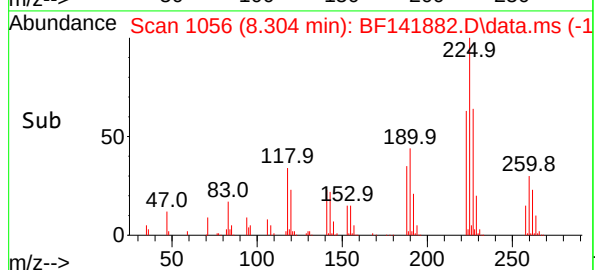
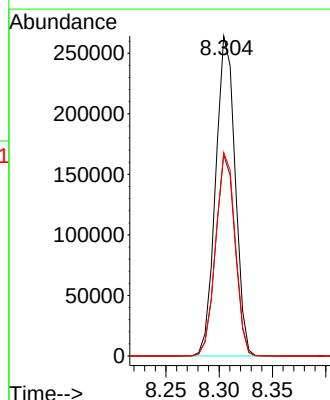
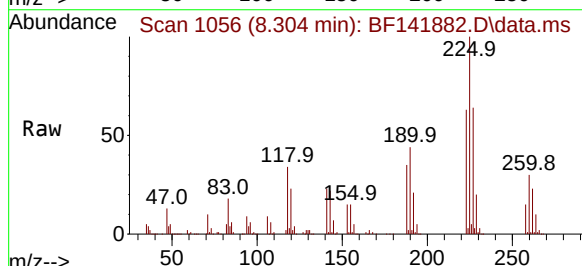
Tgt Ion:225 Resp: 335125

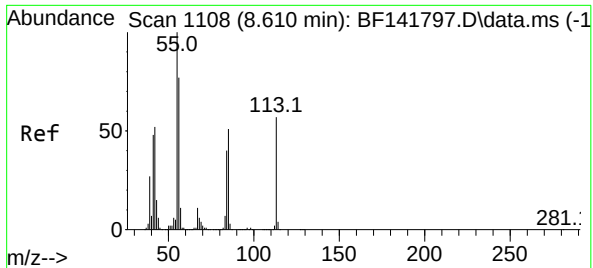
Ion Ratio Lower Upper

225 100

223 62.8 51.4 77.2

227 63.6 51.6 77.4





#35

Caprolactam

Concen: 42.679 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

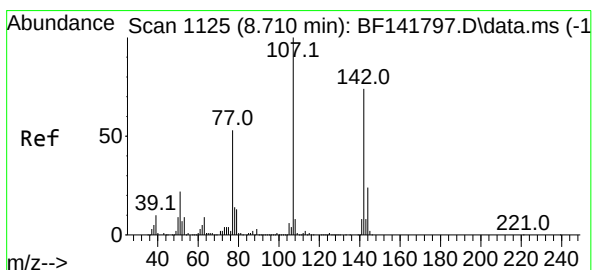
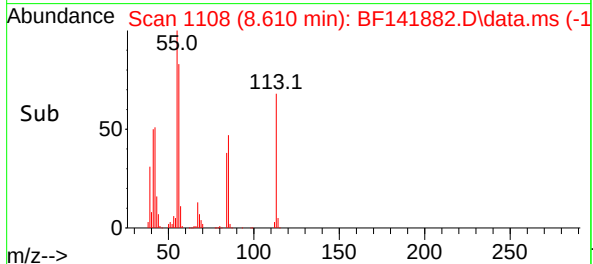
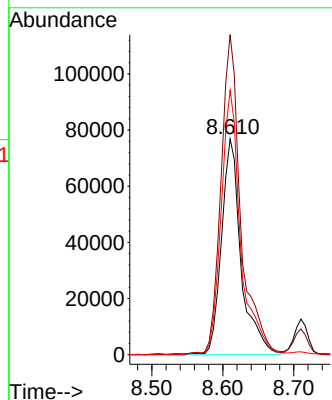
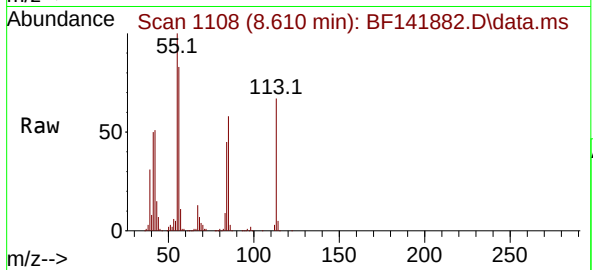
Tgt Ion:113 Resp: 146525

Ion Ratio Lower Upper

113 100

55 148.3 155.6 195.6#

56 122.6 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 42.828 ng

RT: 8.710 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

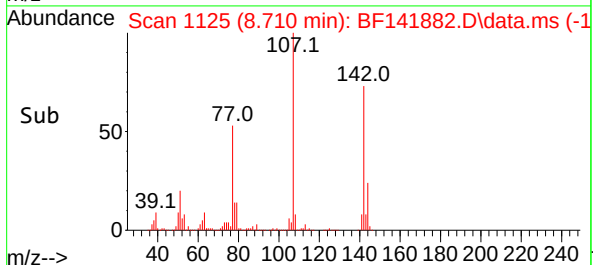
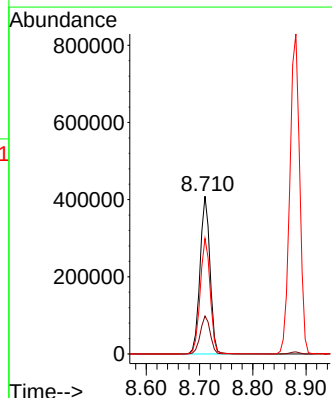
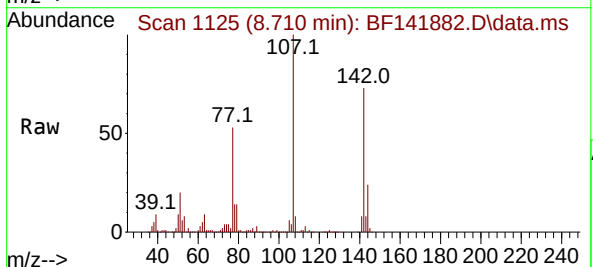
Tgt Ion:107 Resp: 530951

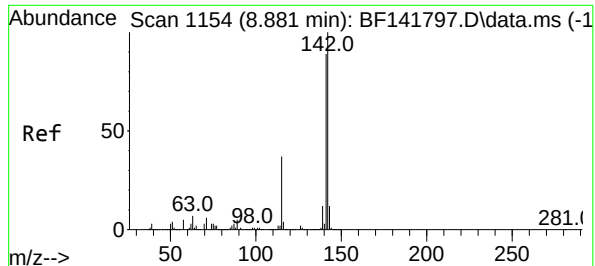
Ion Ratio Lower Upper

107 100

144 24.0 19.4 29.0

142 73.2 59.4 89.0





#37

2-Methylnaphthalene

Concen: 40.403 ng

RT: 8.881 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

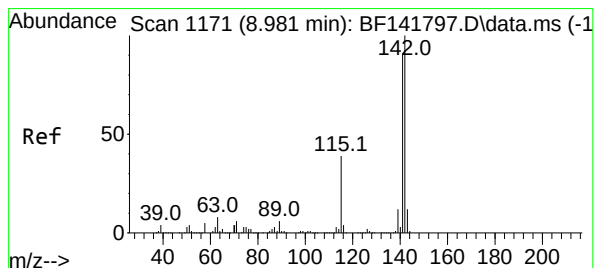
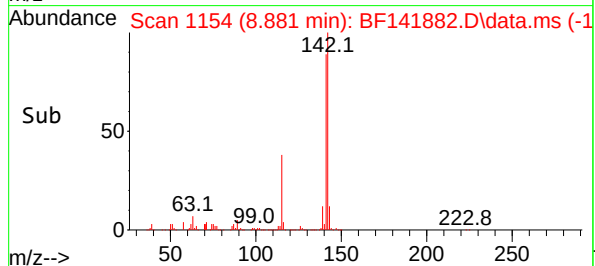
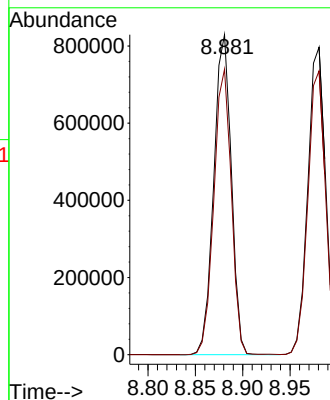
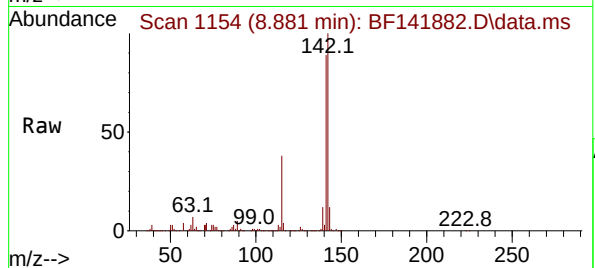
SSTDCCC040

Tgt Ion:142 Resp: 1066463

Ion Ratio Lower Upper

142 100

141 89.2 71.1 106.7



#38

1-Methylnaphthalene

Concen: 40.781 ng

RT: 8.981 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF141882.D

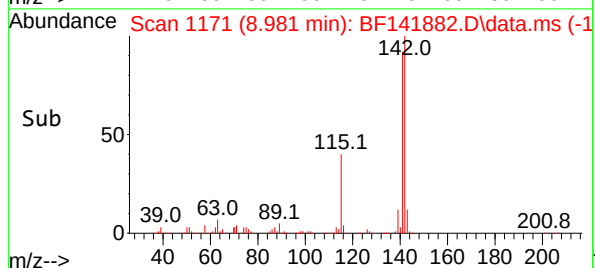
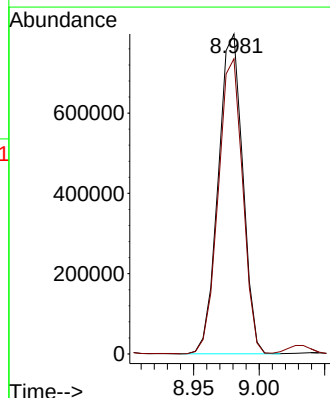
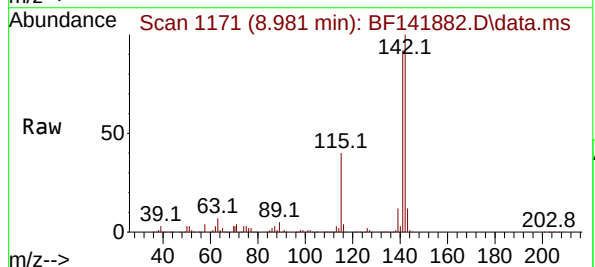
Acq: 07 Mar 2025 08:56

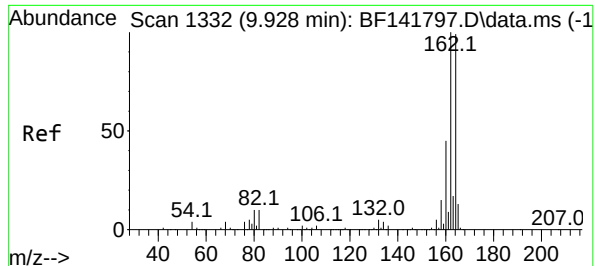
Tgt Ion:142 Resp: 1032881

Ion Ratio Lower Upper

142 100

141 92.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

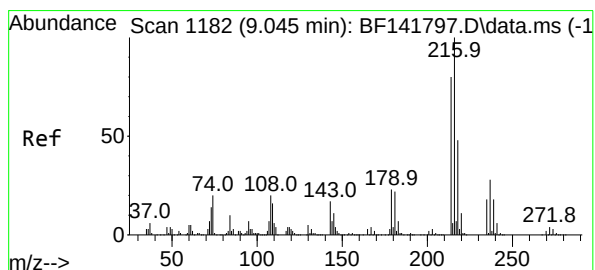
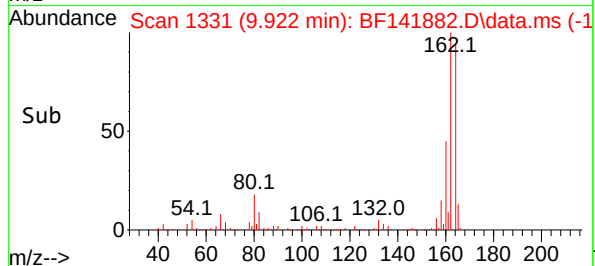
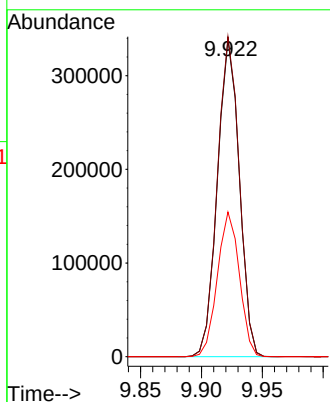
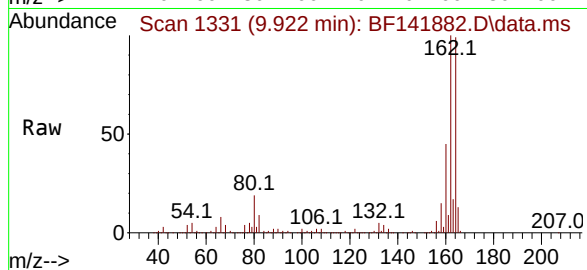
Tgt Ion:164 Resp: 424782

Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

160 45.6 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.129 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Tgt Ion:216 Resp: 529113

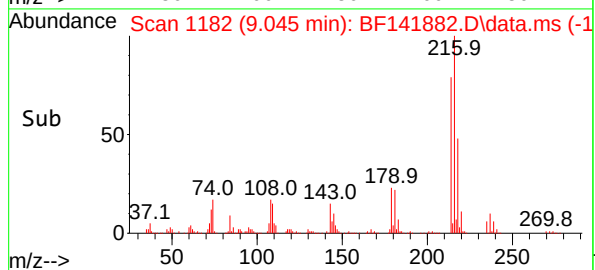
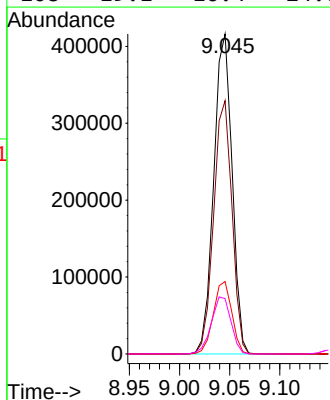
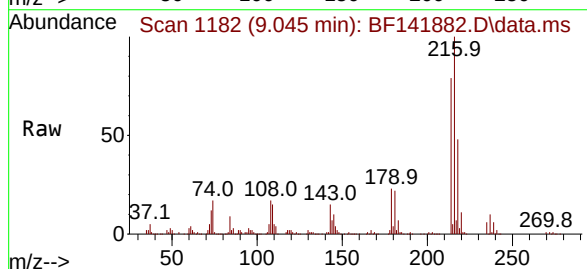
Ion Ratio Lower Upper

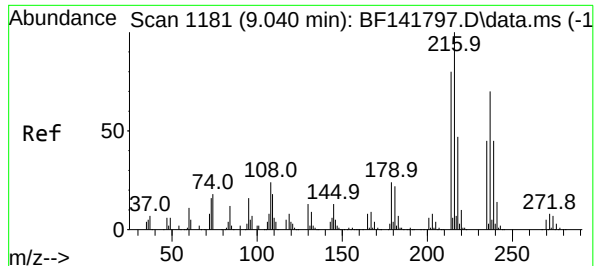
216 100

214 79.1 63.5 95.3

179 22.8 18.1 27.1

108 19.1 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 43.507 ng

RT: 9.034 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

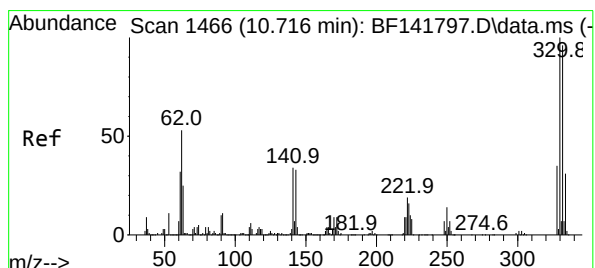
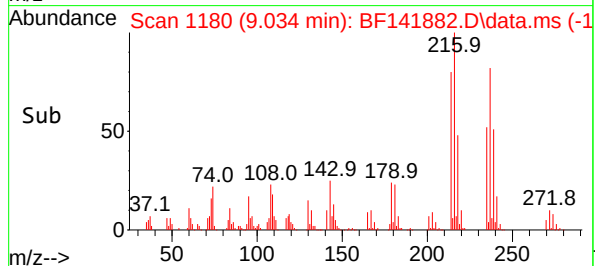
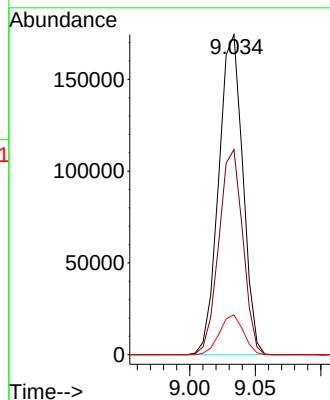
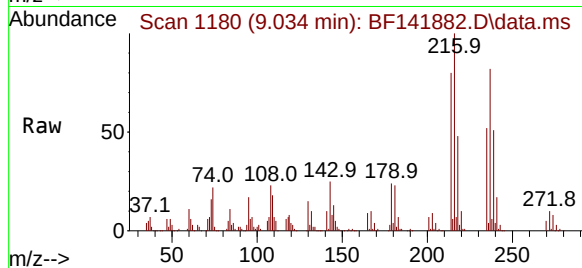
Tgt Ion:237 Resp: 222751

Ion Ratio Lower Upper

237 100

235 64.1 43.3 83.3

272 12.4 0.0 31.9



#42

2,4,6-Tribromophenol

Concen: 110.979 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

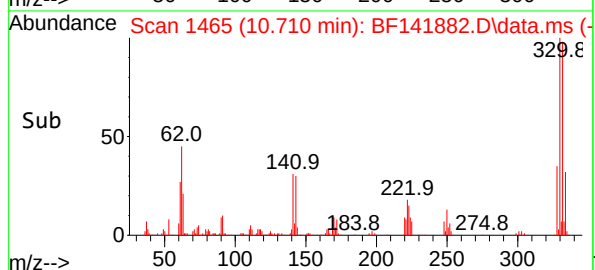
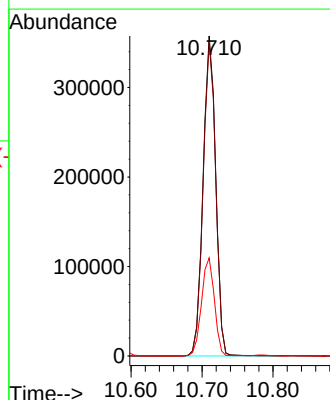
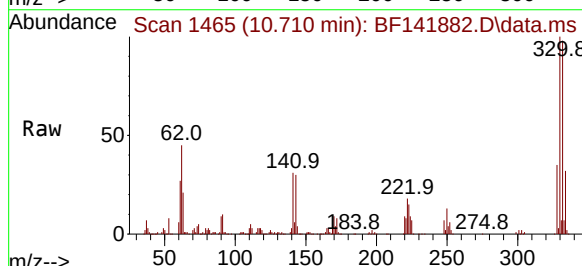
Tgt Ion:330 Resp: 442578

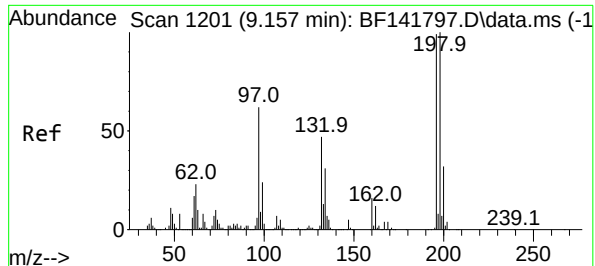
Ion Ratio Lower Upper

330 100

332 97.9 76.6 115.0

141 31.4 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 43.751 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

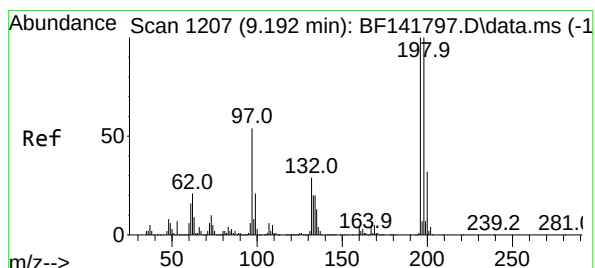
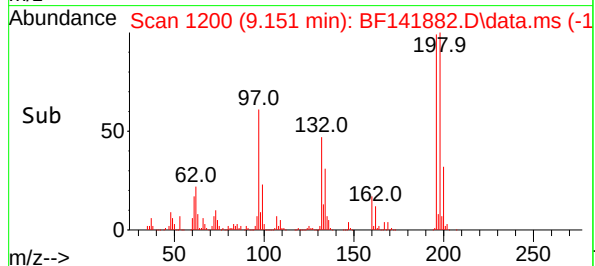
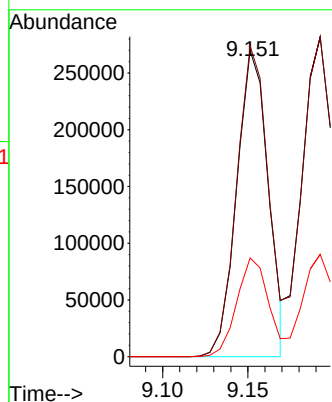
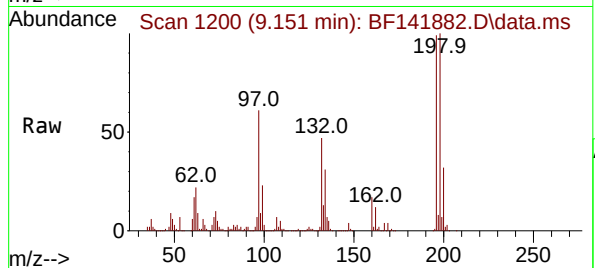
Tgt Ion:196 Resp: 346714

Ion Ratio Lower Upper

196 100

198 101.5 80.4 120.6

200 32.2 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 47.207 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Tgt Ion:196 Resp: 370446

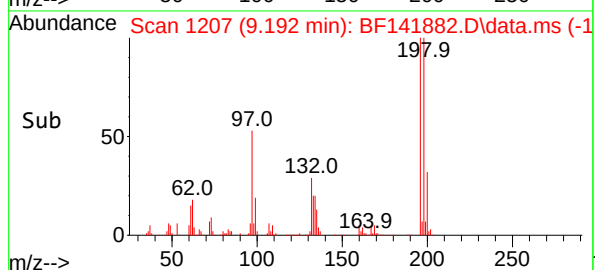
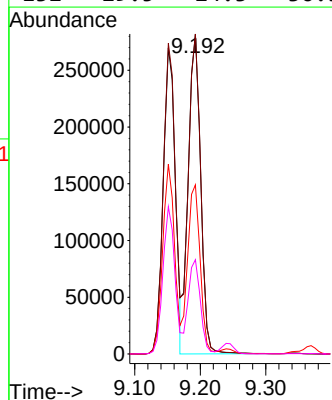
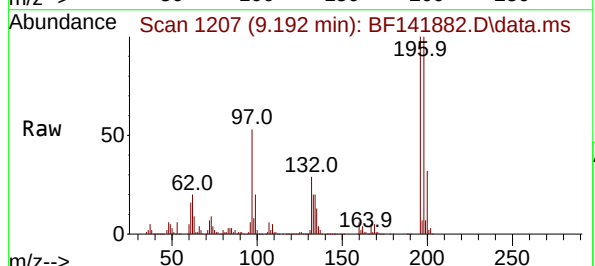
Ion Ratio Lower Upper

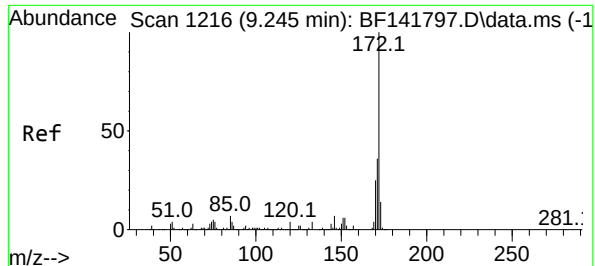
196 100

198 100.1 79.7 119.5

97 52.9 44.2 66.2

132 29.5 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 85.212 ng

RT: 9.245 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

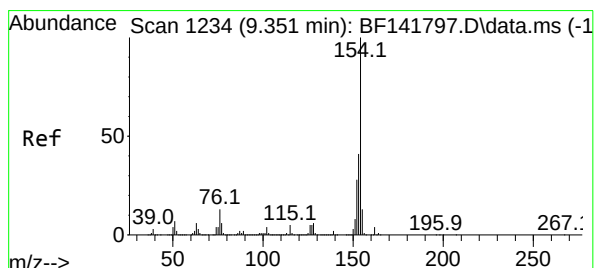
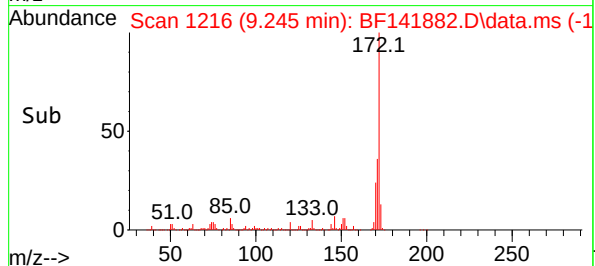
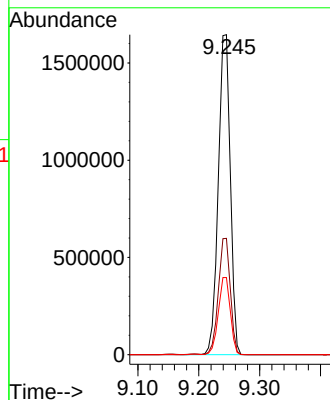
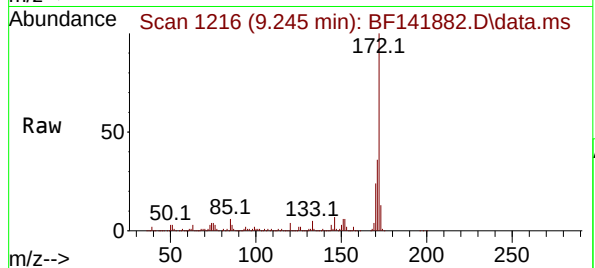
Tgt Ion:172 Resp: 2257414

Ion Ratio Lower Upper

172 100

171 36.3 29.2 43.8

170 24.1 19.7 29.5



#46

1,1'-Biphenyl

Concen: 40.983 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

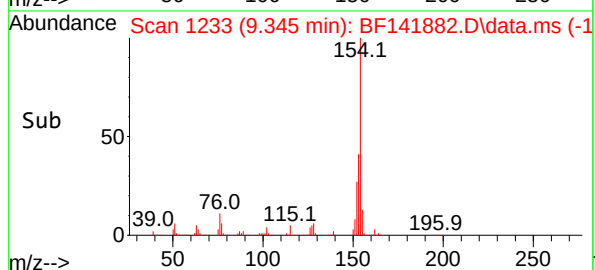
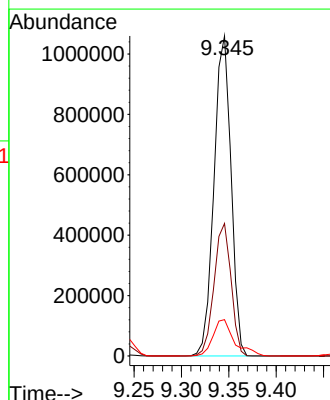
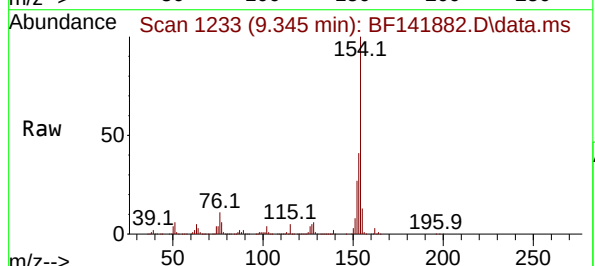
Tgt Ion:154 Resp: 1325077

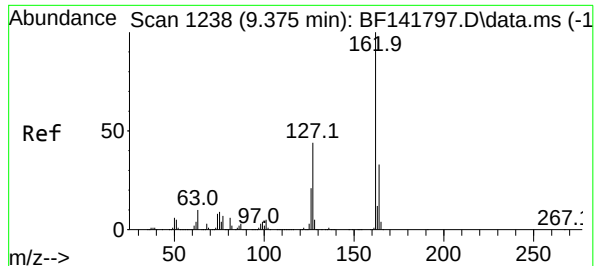
Ion Ratio Lower Upper

154 100

153 41.4 21.4 61.4

76 11.4 0.0 33.4





#47

2-Chloronaphthalene

Concen: 41.702 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

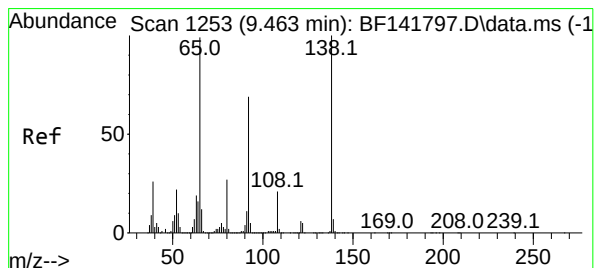
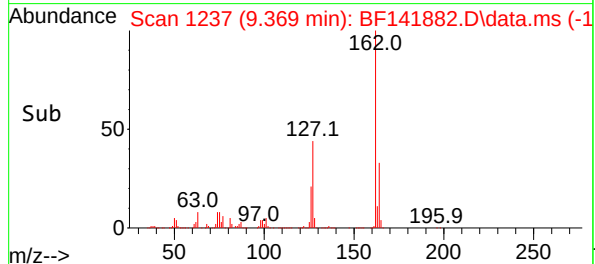
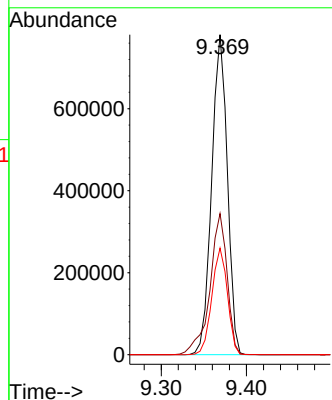
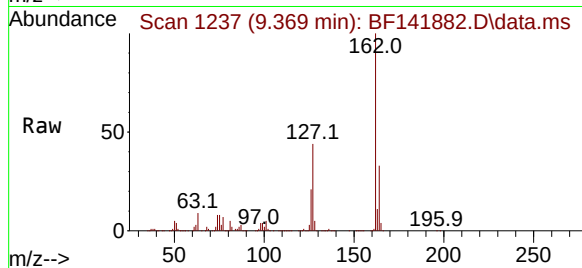
Tgt Ion:162 Resp: 995170

Ion Ratio Lower Upper

162 100

127 44.1 35.0 52.6

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 47.578 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

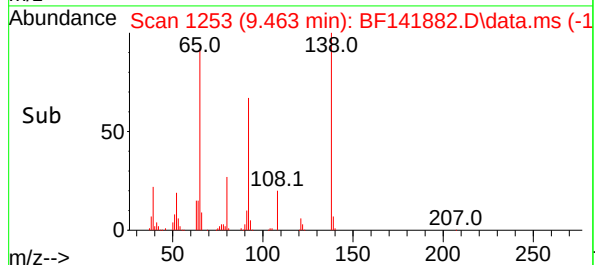
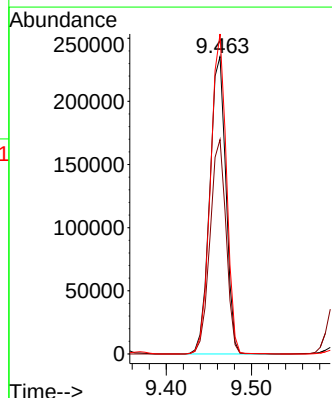
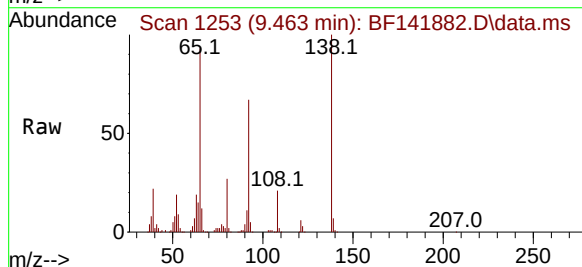
Tgt Ion: 65 Resp: 310512

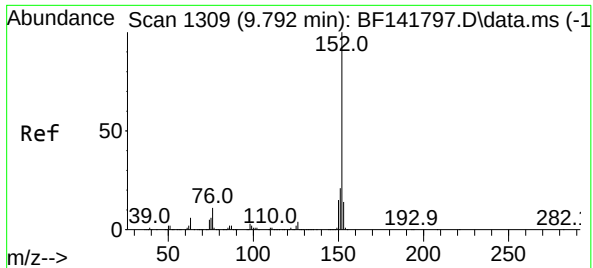
Ion Ratio Lower Upper

65 100

92 72.1 55.7 83.5

138 107.6 80.6 121.0





#49

Acenaphthylene

Concen: 41.425 ng

RT: 9.787 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

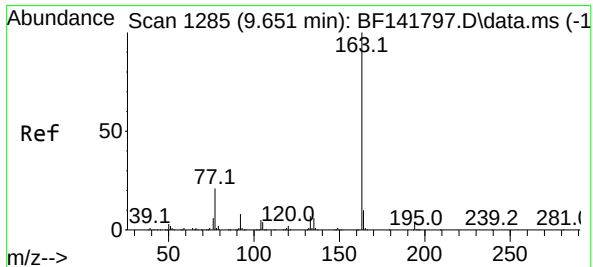
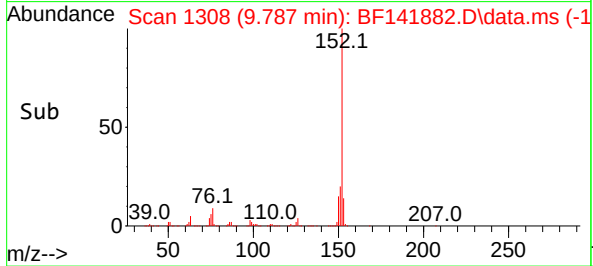
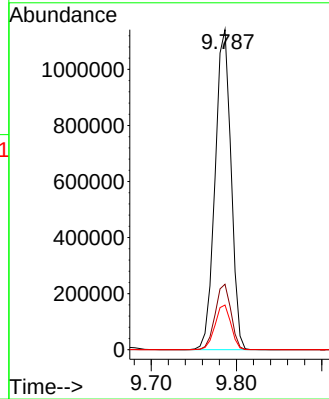
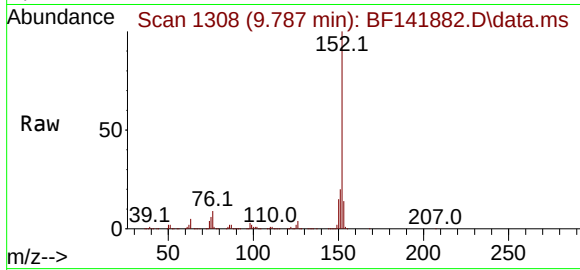
Tgt Ion:152 Resp: 1482184

Ion Ratio Lower Upper

152 100

151 20.5 16.6 24.8

153 14.0 11.2 16.8



#50

Dimethylphthalate

Concen: 42.024 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

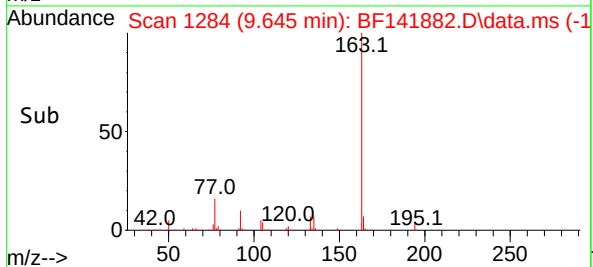
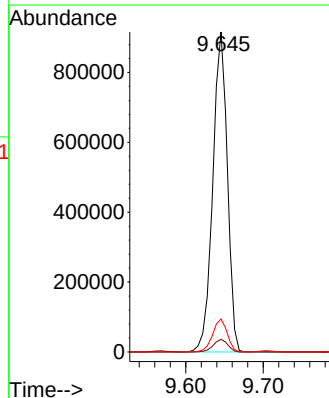
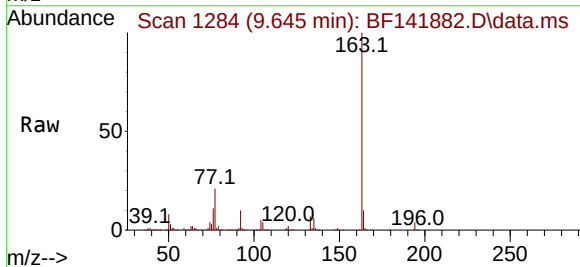
Tgt Ion:163 Resp: 1195459

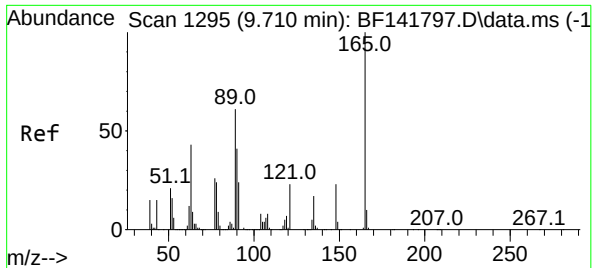
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.4 12.6

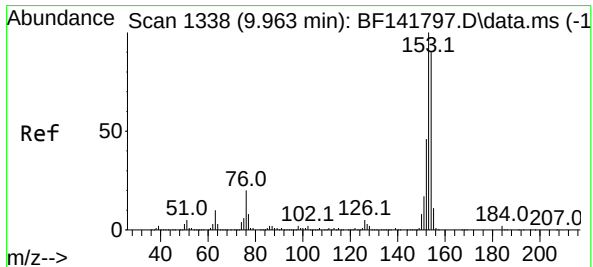
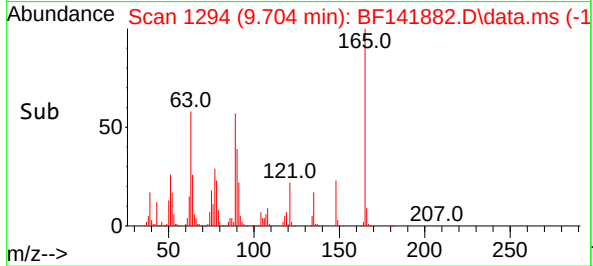
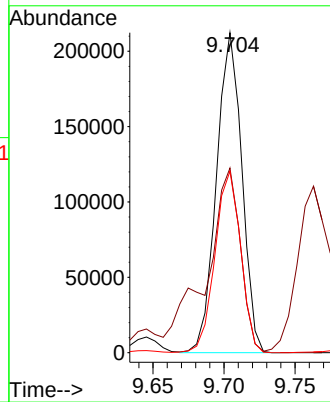
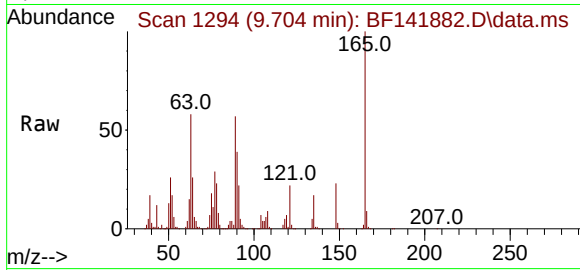




#51
2,6-Dinitrotoluene
Concen: 48.466 ng
RT: 9.704 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

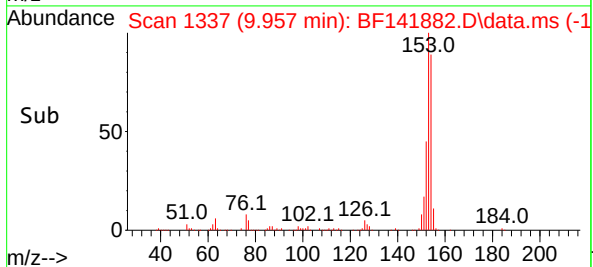
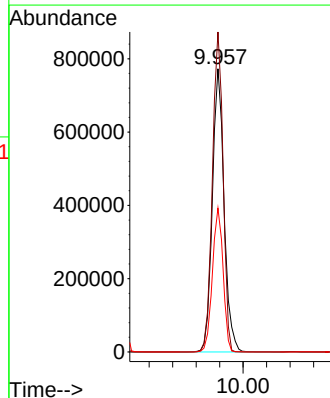
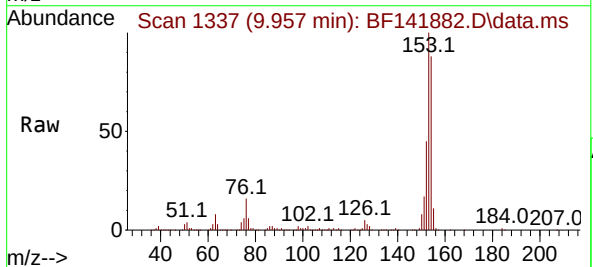
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

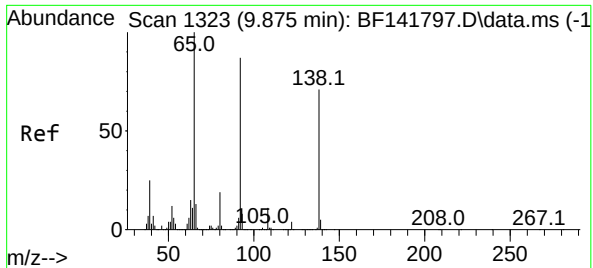
Tgt Ion:165 Resp: 263902
Ion Ratio Lower Upper
165 100
63 57.7 49.5 74.3
89 56.7 49.0 73.4



#52
Acenaphthene
Concen: 44.141 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:154 Resp: 1065668
Ion Ratio Lower Upper
154 100
153 113.0 88.7 133.1
152 50.8 40.9 61.3

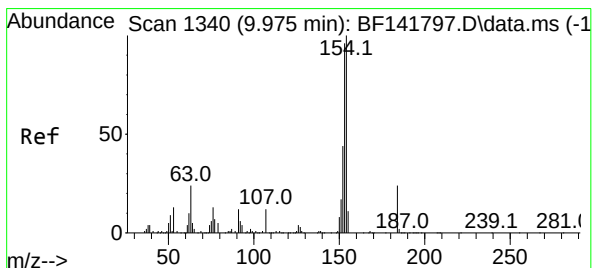
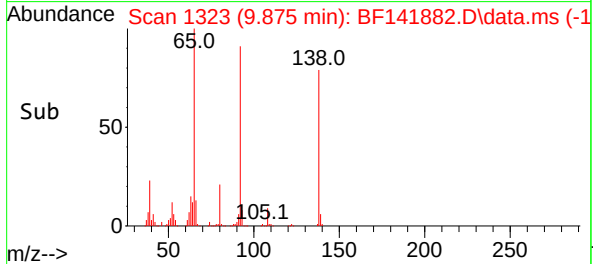
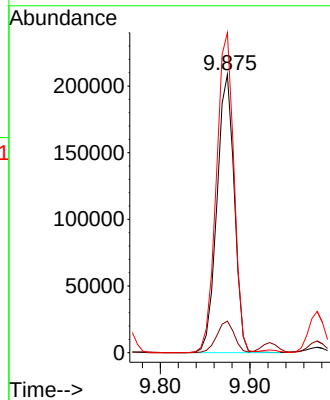
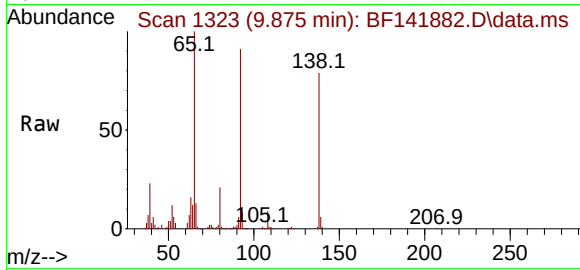




#53
3-Nitroaniline
Concen: 48.270 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

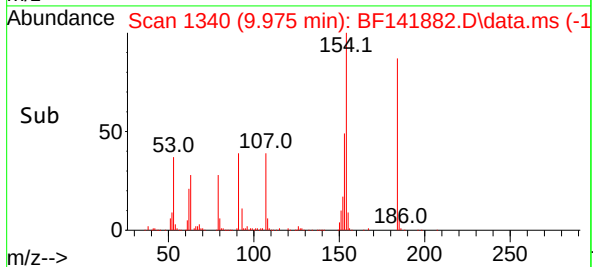
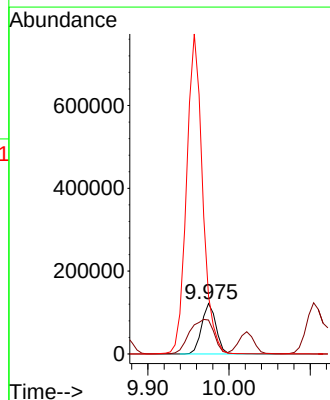
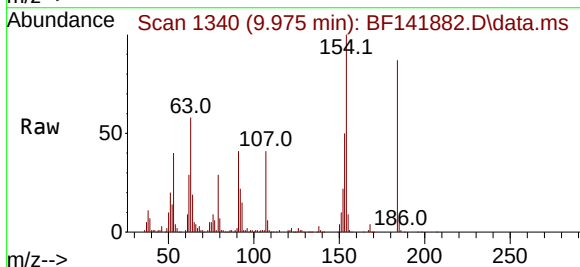
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

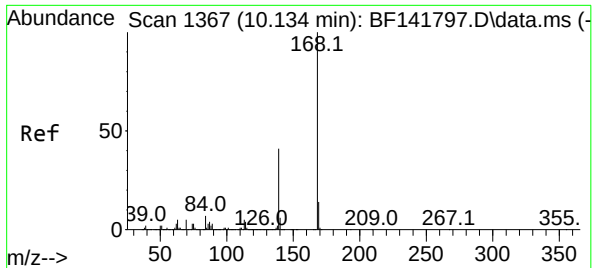
Tgt Ion:138 Resp: 279903
Ion Ratio Lower Upper
138 100
108 11.3 12.7 19.1#
92 115.1 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 64.789 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:184 Resp: 150349
Ion Ratio Lower Upper
184 100
63 67.1 79.0 118.6#
154 114.7 335.8 503.8#

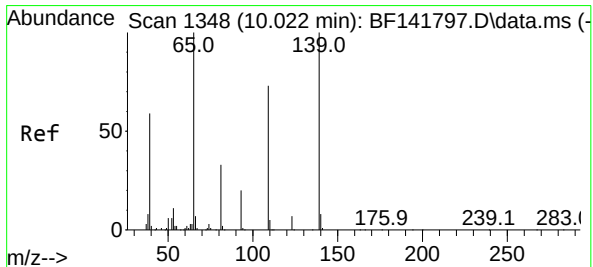
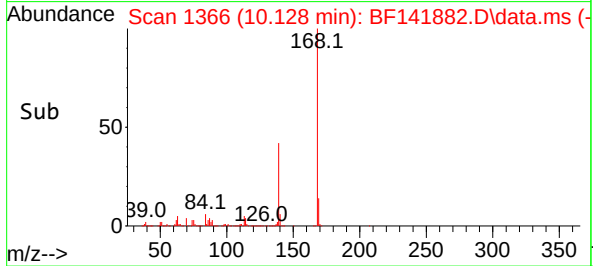
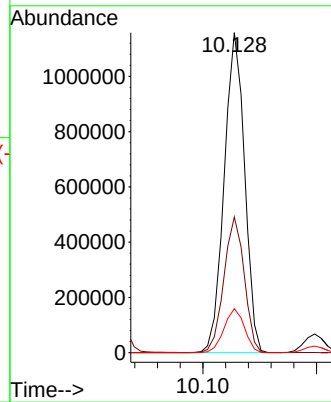
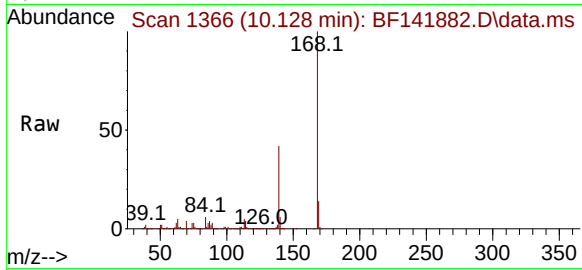




#55
Dibenzenofuran
Concen: 41.199 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

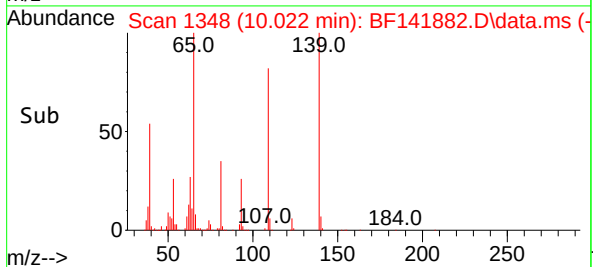
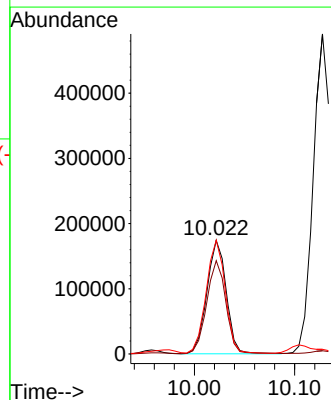
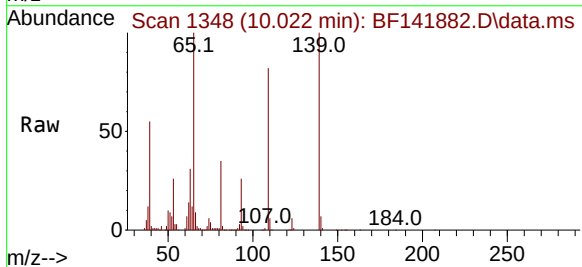
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

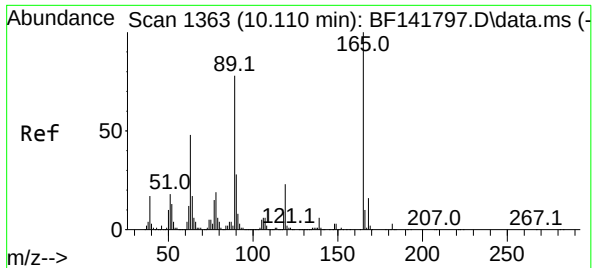
Tgt Ion:168 Resp: 1447705
Ion Ratio Lower Upper
168 100
139 42.4 32.9 49.3
169 13.7 11.1 16.7



#56
4-Nitrophenol
Concen: 55.625 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:139 Resp: 233707
Ion Ratio Lower Upper
139 100
109 82.1 53.4 93.4
65 100.2 82.1 122.1

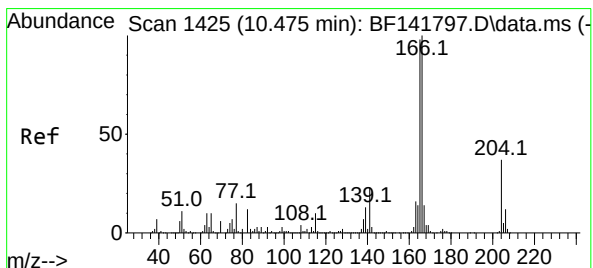
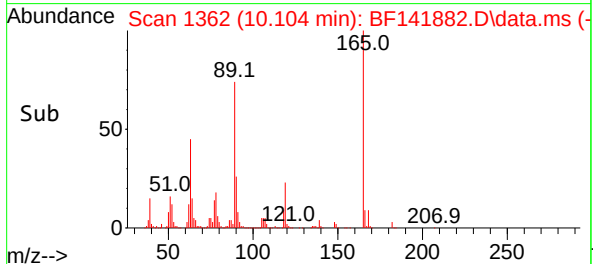
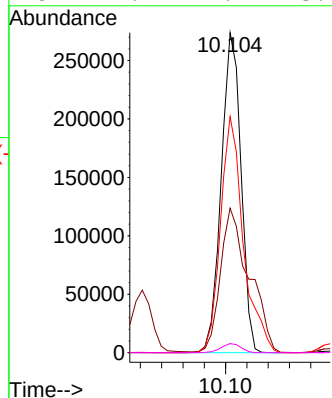
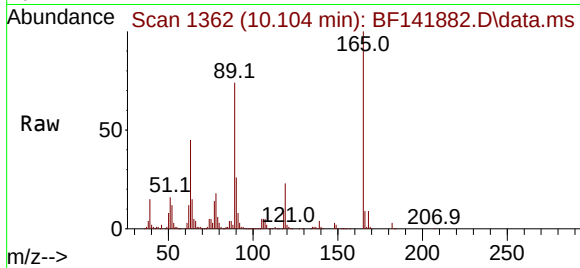




#57
2,4-Dinitrotoluene
Concen: 52.617 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

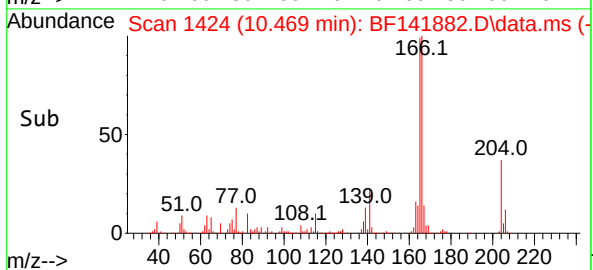
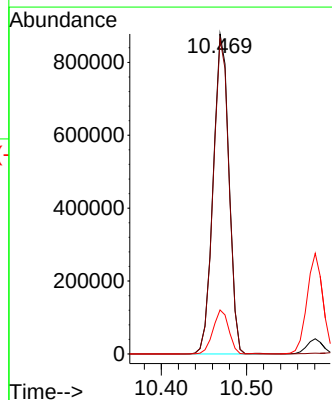
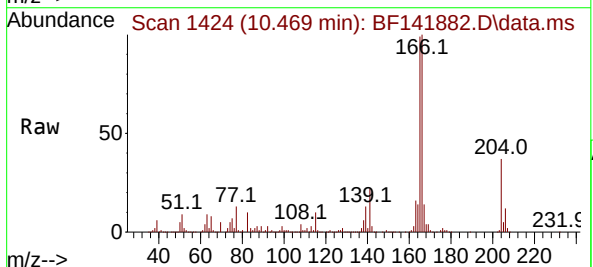
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

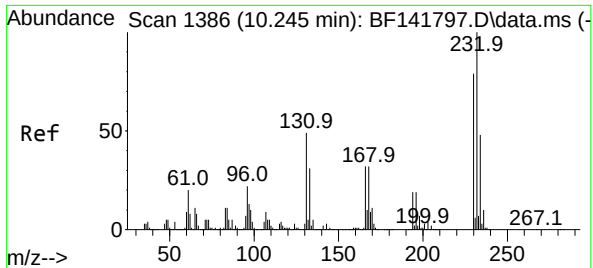
Tgt Ion:165 Resp: 352174
Ion Ratio Lower Upper
165 100
63 45.2 38.8 58.2
89 73.7 62.6 94.0
182 2.9 2.2 3.2



#58
Fluorene
Concen: 42.973 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:166 Resp: 1131091
Ion Ratio Lower Upper
166 100
165 98.5 78.6 117.8
167 13.8 11.0 16.4

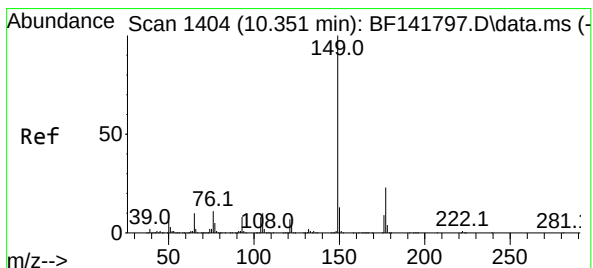
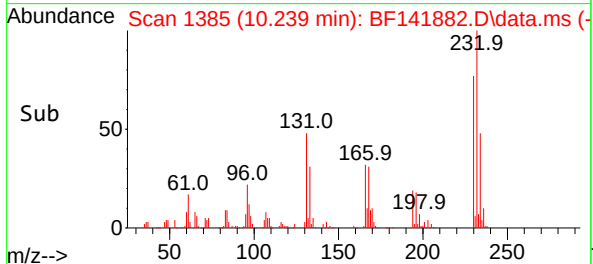
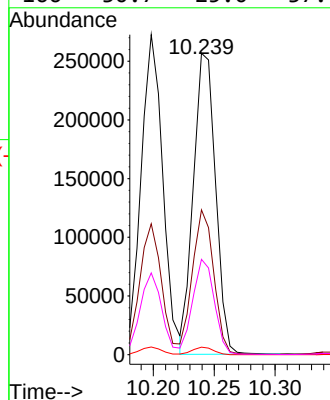
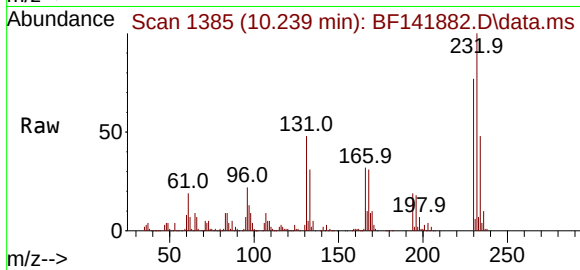




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.692 ng
RT: 10.239 min Scan# 11882
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

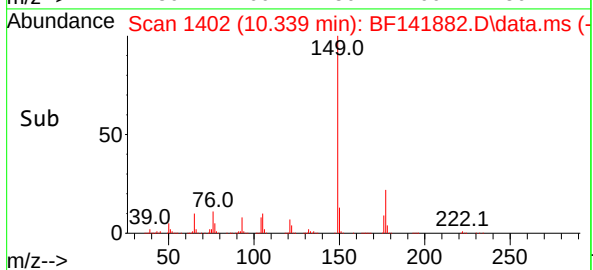
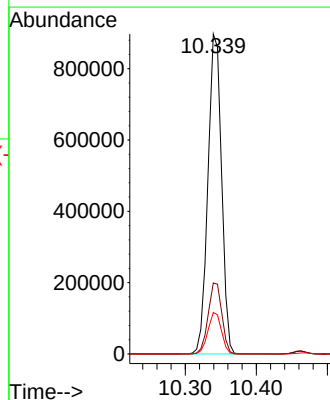
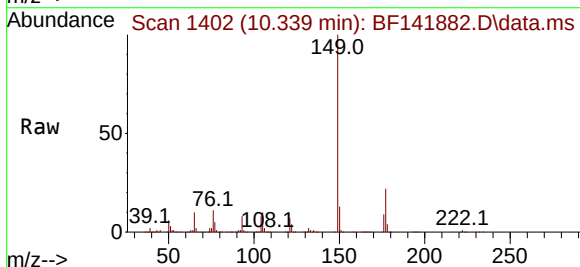
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

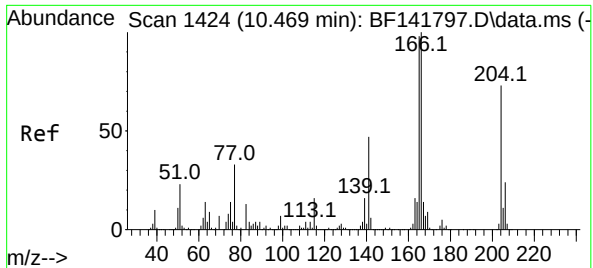
Tgt Ion:232 Resp: 325495
Ion Ratio Lower Upper
232 100
131 46.1 37.8 56.8
130 2.4 2.0 3.0
166 30.7 25.0 37.4



#60
Diethylphthalate
Concen: 41.951 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 1196331
Ion Ratio Lower Upper
149 100
177 22.2 18.3 27.5
150 12.9 10.3 15.5

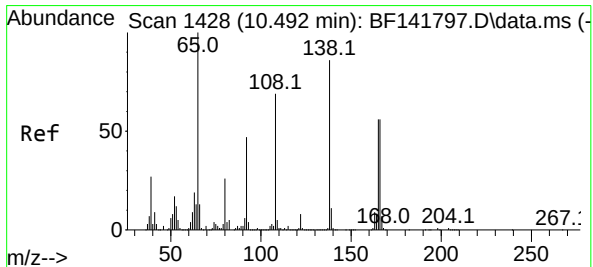
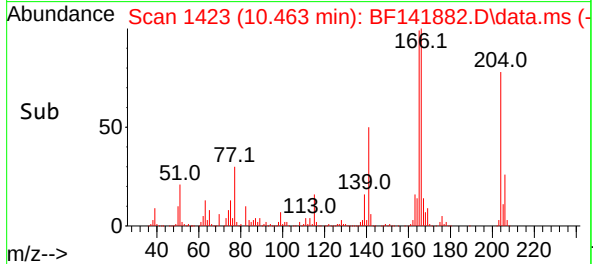
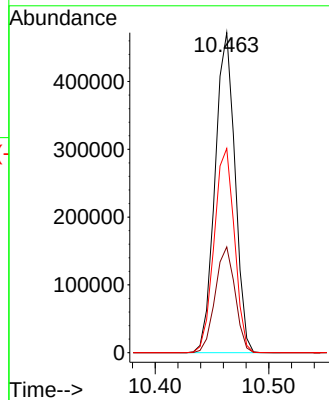
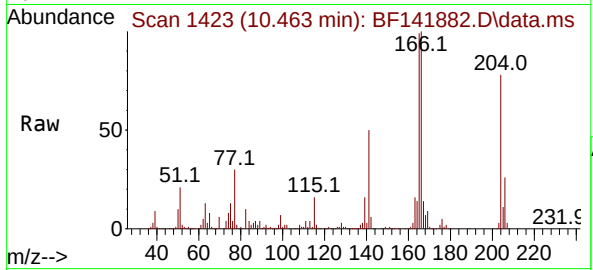




#61
4-Chlorophenyl-phenylether
Concen: 43.684 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

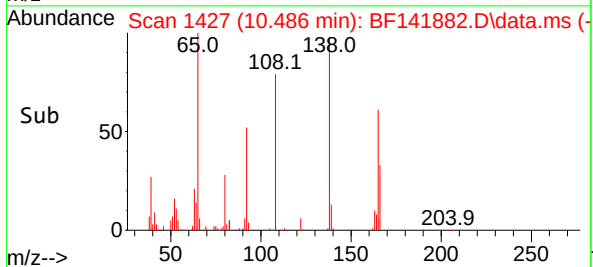
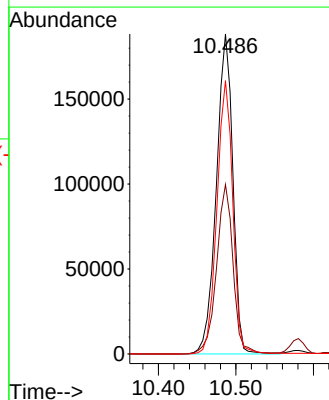
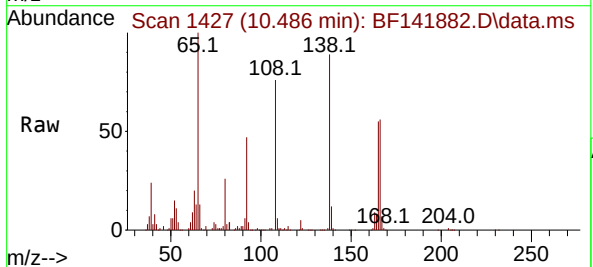
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

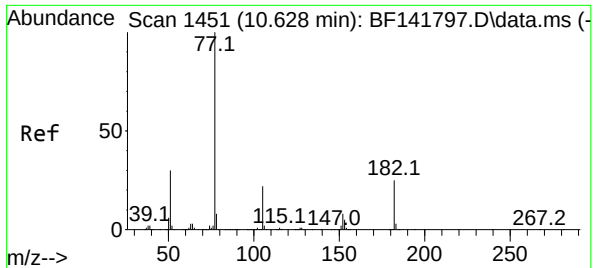
Tgt Ion:204 Resp: 576098
Ion Ratio Lower Upper
204 100
206 33.1 26.2 39.4
141 63.8 51.7 77.5



#62
4-Nitroaniline
Concen: 57.344 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:138 Resp: 278576
Ion Ratio Lower Upper
138 100
92 53.0 34.9 74.9
108 85.4 59.6 99.6

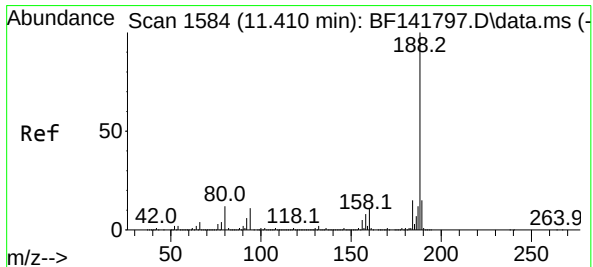
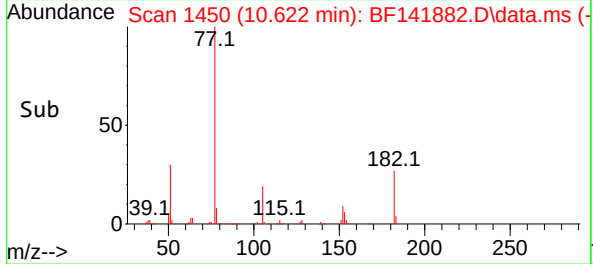
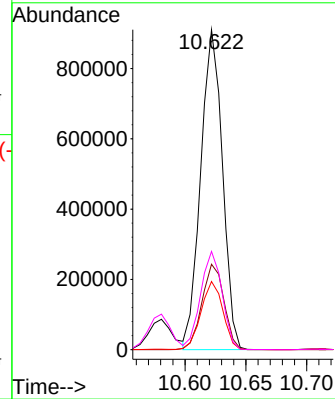
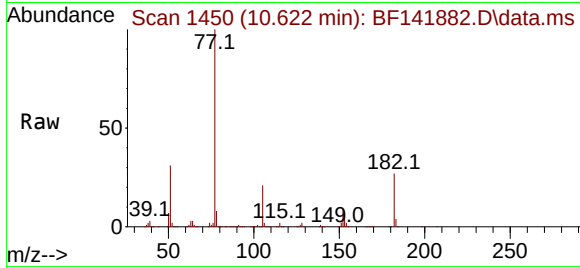




#63
Azobenzene
Concen: 37.727 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

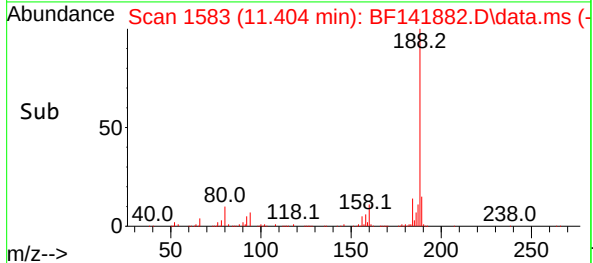
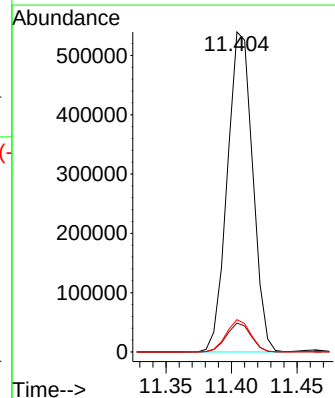
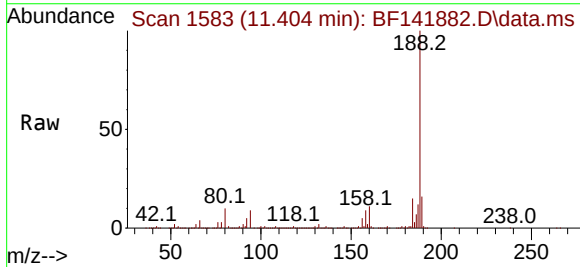
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

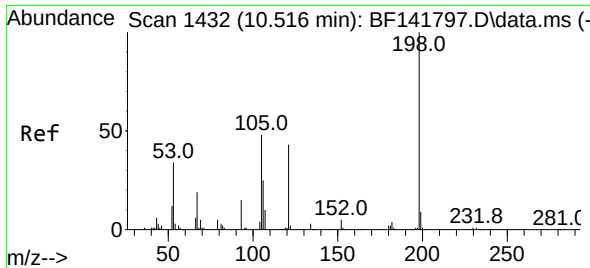
Tgt Ion: 77 Resp: 1132824
Ion Ratio Lower Upper
77 100
182 26.7 4.2 44.2
105 21.3 1.5 41.5
51 30.7 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 188 Resp: 725251
Ion Ratio Lower Upper
188 100
94 9.1 8.9 13.3
80 10.1 9.7 14.5

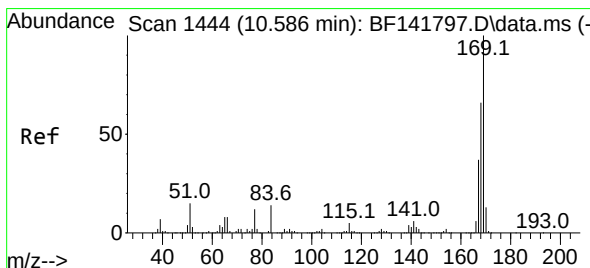
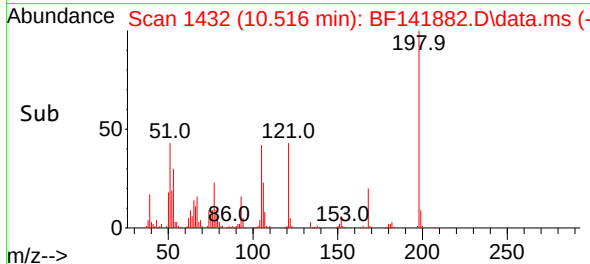
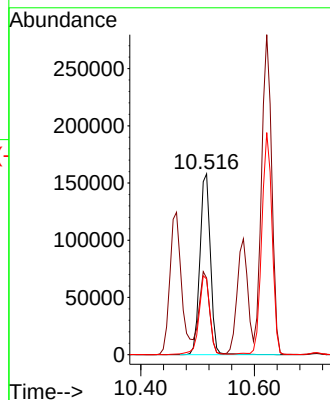
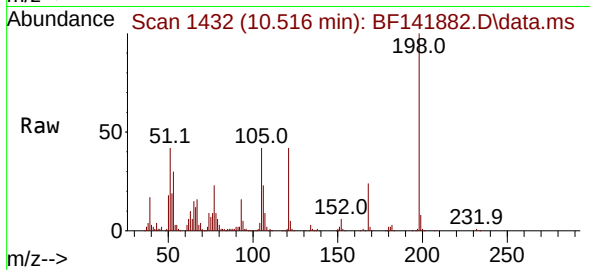




#65
4,6-Dinitro-2-methylphenol
Concen: 57.660 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

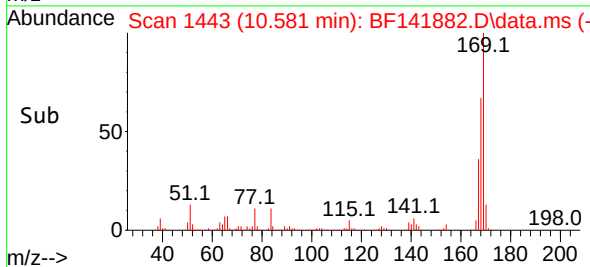
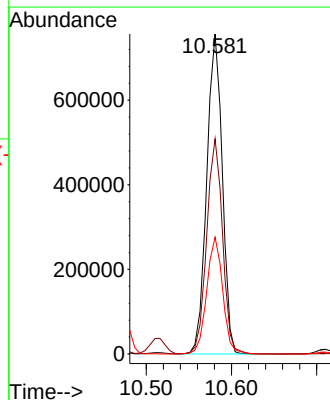
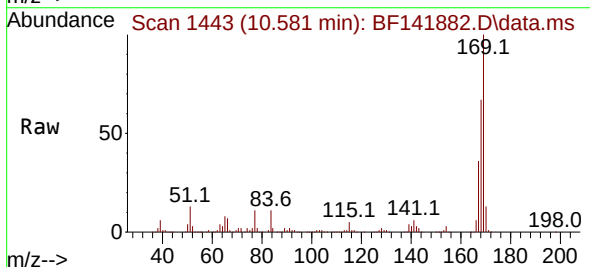
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

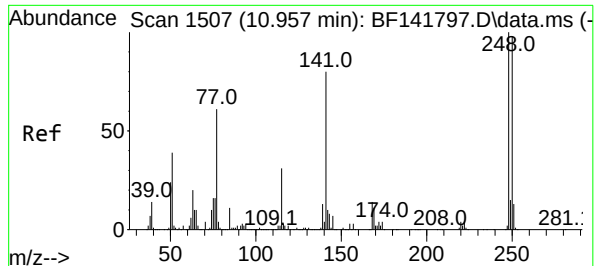
Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.4	32.1	72.1
105	41.8	28.5	68.5



#66
n-Nitrosodiphenylamine
Concen: 40.261 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.5	29.3	43.9

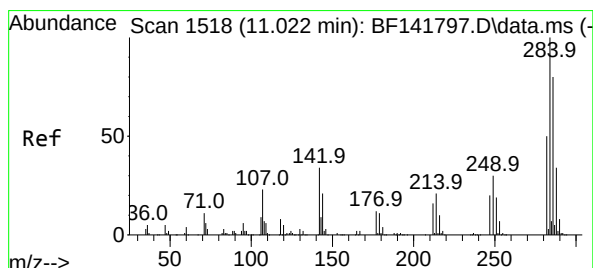
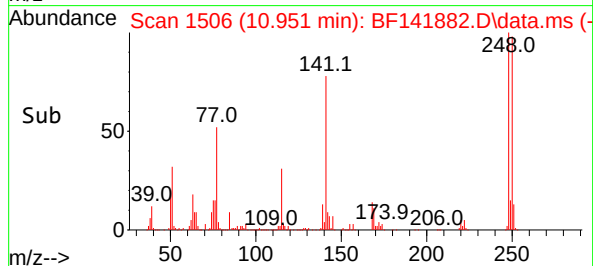
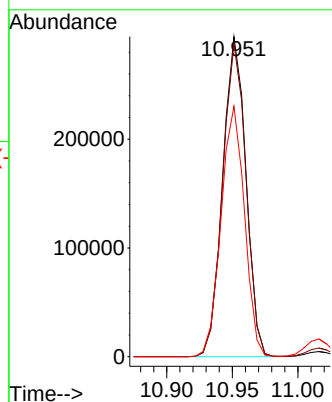
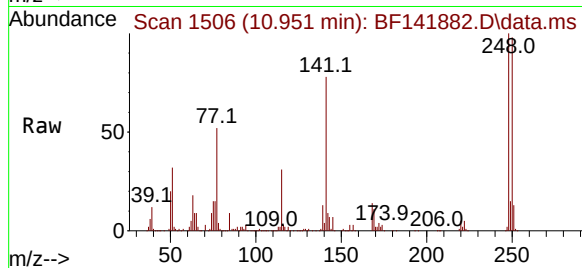




#67
4-Bromophenyl-phenylether
Concen: 42.900 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

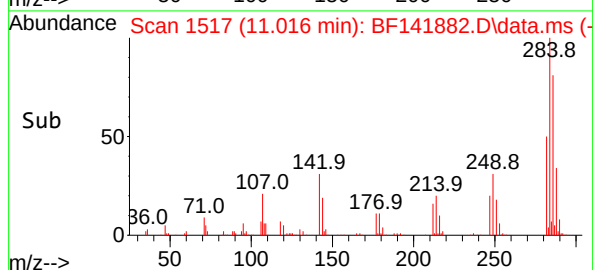
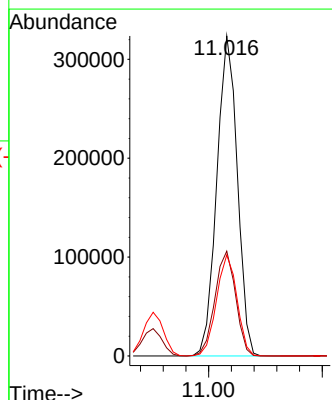
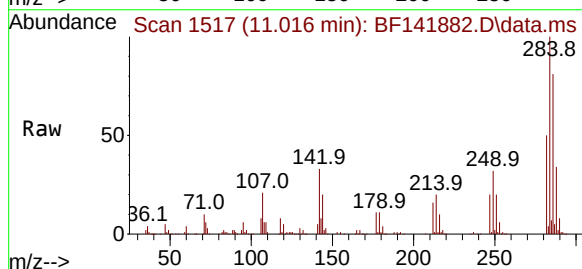
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

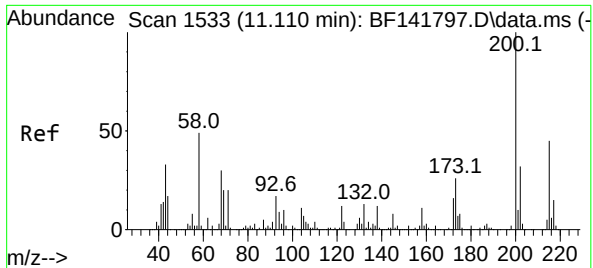
Tgt Ion:248 Resp: 363416
Ion Ratio Lower Upper
248 100
250 97.8 78.1 117.1
141 78.3 64.3 96.5



#68
Hexachlorobenzene
Concen: 45.366 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:284 Resp: 405812
Ion Ratio Lower Upper
284 100
142 32.7 28.2 42.2
249 31.6 25.5 38.3





#69

Atrazine

Concen: 34.487 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

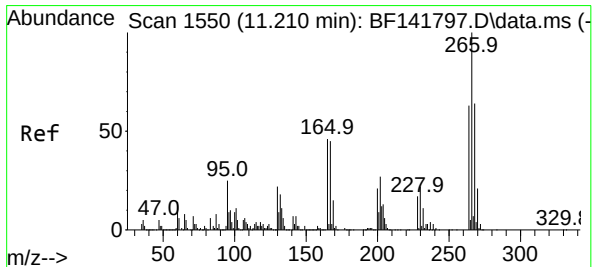
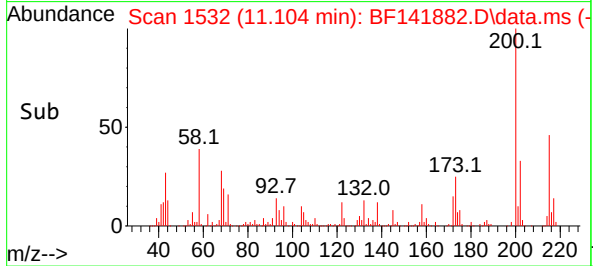
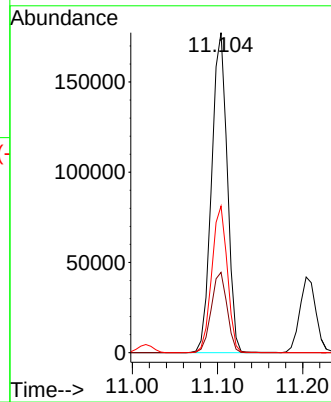
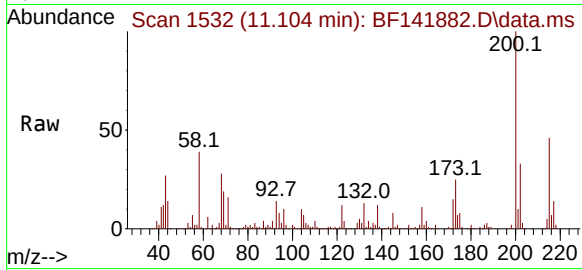
Tgt Ion:200 Resp: 225851

Ion Ratio Lower Upper

200 100

173 25.1 5.6 45.6

215 45.8 25.3 65.3



#70

Pentachlorophenol

Concen: 49.971 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

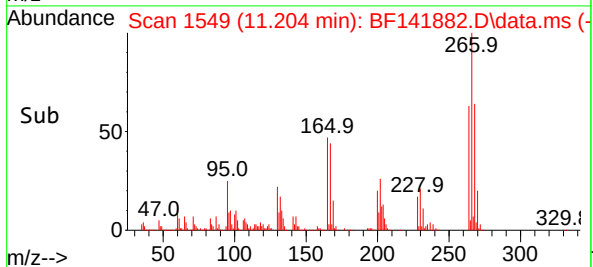
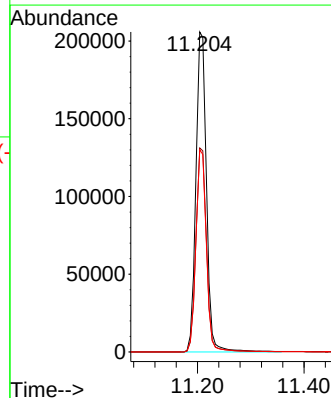
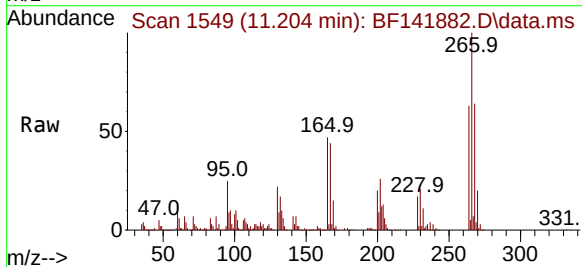
Tgt Ion:266 Resp: 283509

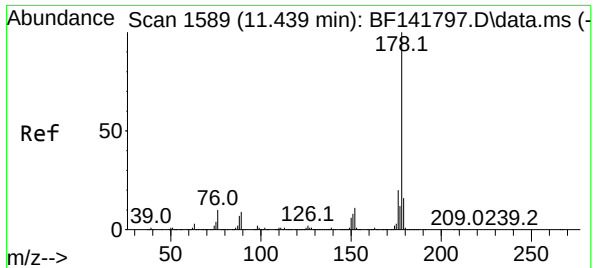
Ion Ratio Lower Upper

266 100

268 63.8 50.9 76.3

264 63.2 50.2 75.4





#71

Phenanthrene

Concen: 41.941 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

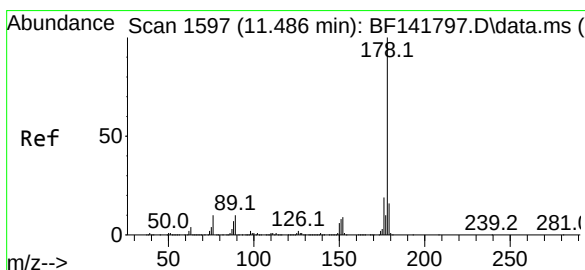
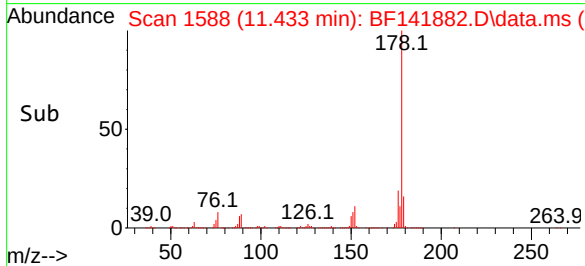
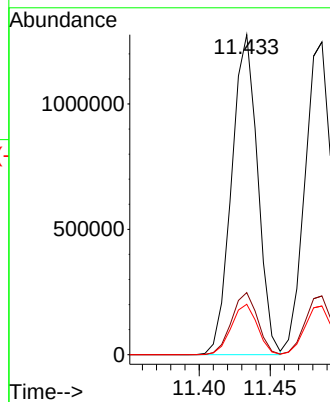
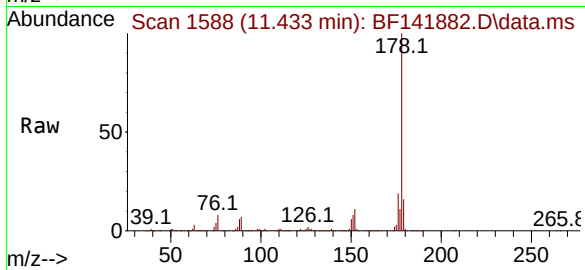
Tgt Ion:178 Resp: 1627067

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 15.7 12.6 19.0



#72

Anthracene

Concen: 41.818 ng

RT: 11.486 min Scan# 1597

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

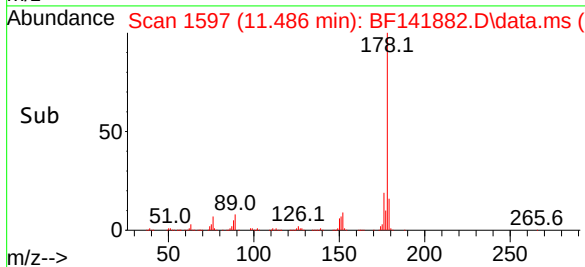
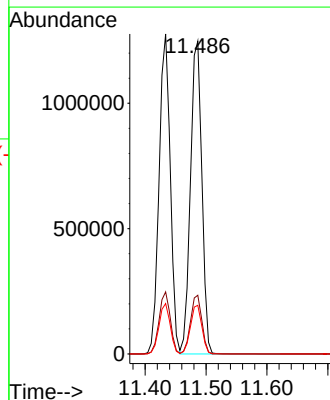
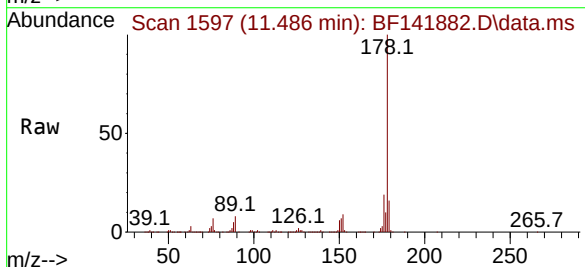
Tgt Ion:178 Resp: 1625869

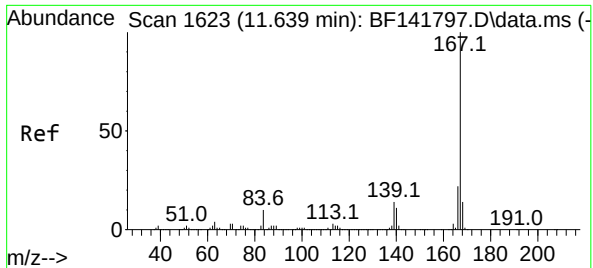
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 15.6 12.8 19.2

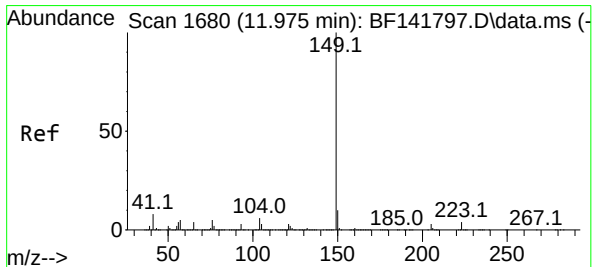
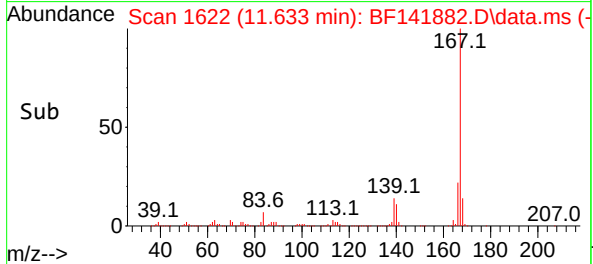
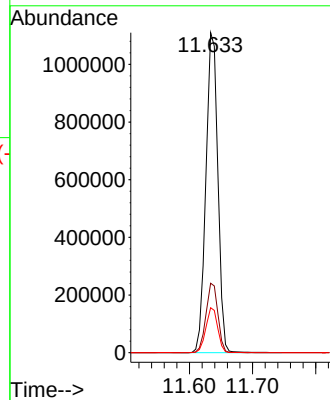
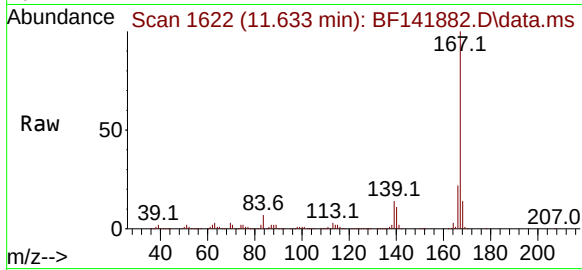




#73
Carbazole
Concen: 42.664 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

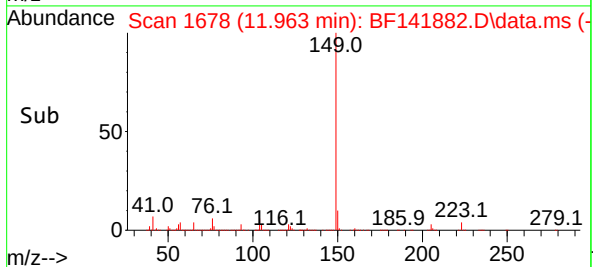
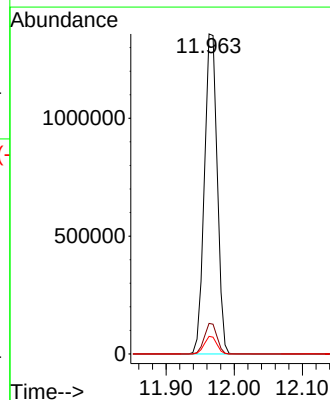
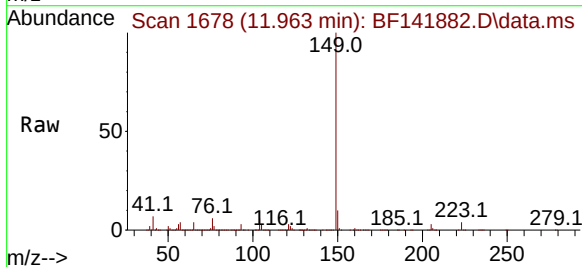
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

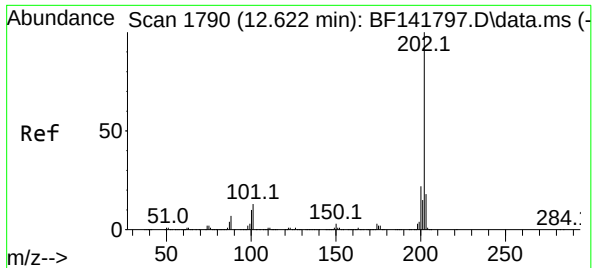
Tgt Ion:167 Resp: 1464842
Ion Ratio Lower Upper
167 100
166 21.7 17.5 26.3
139 14.0 11.3 16.9



#74
Di-n-butylphthalate
Concen: 40.848 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 1777768
Ion Ratio Lower Upper
149 100
150 9.5 7.7 11.5
104 5.5 4.4 6.6

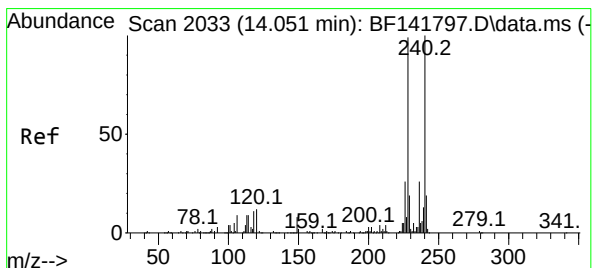
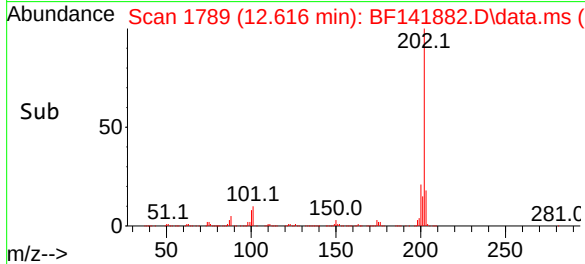
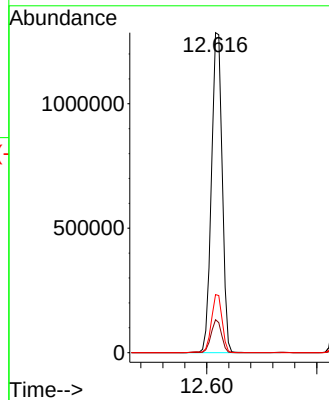
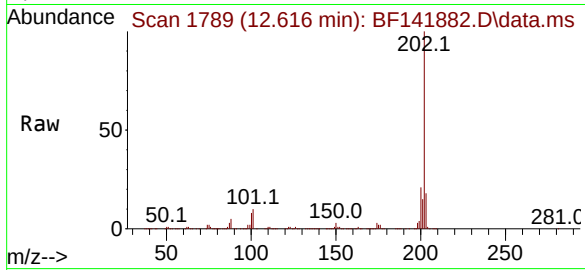




#75
Fluoranthene
Concen: 43.809 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

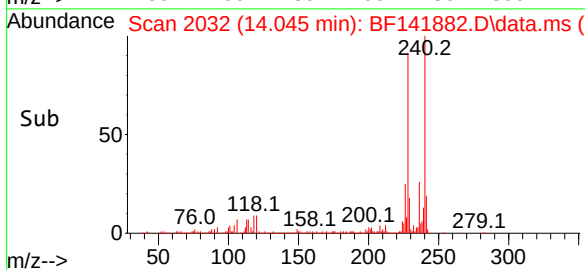
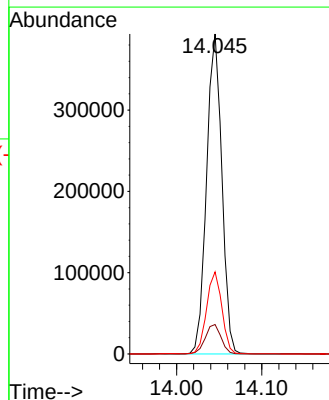
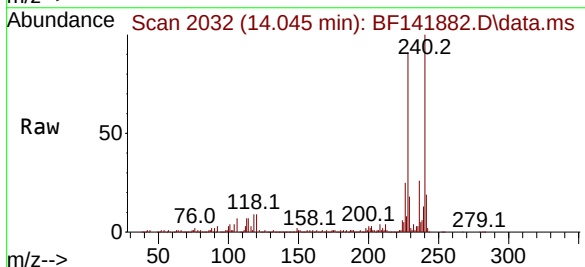
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

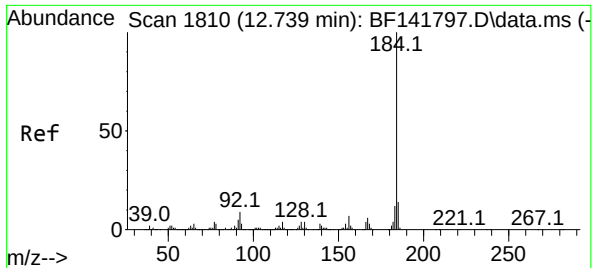
Tgt Ion:202 Resp: 1741431
Ion Ratio Lower Upper
202 100
101 10.3 0.0 32.8
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:240 Resp: 490278
Ion Ratio Lower Upper
240 100
120 9.2 9.7 14.5#
236 25.7 21.0 31.4





#77

Benzidine

Concen: 54.265 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

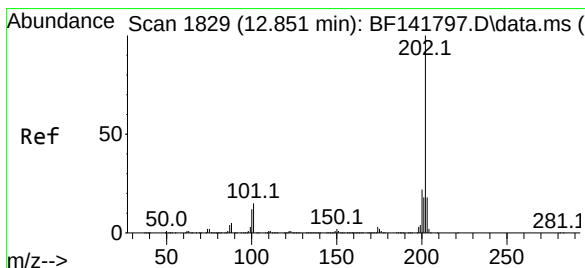
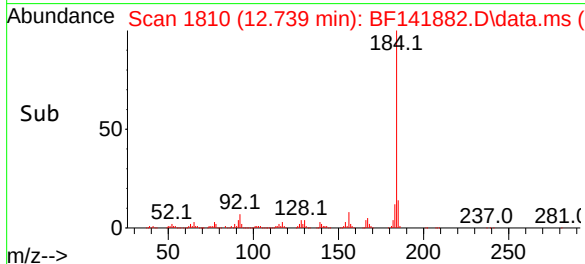
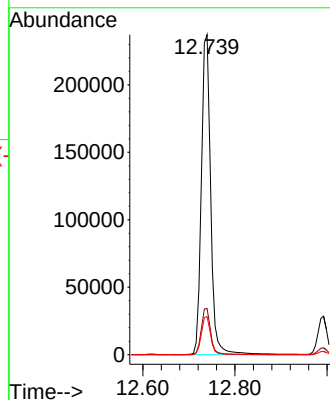
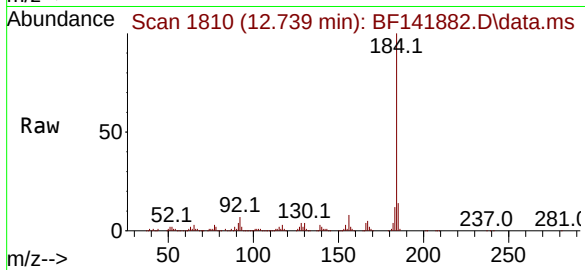
Tgt Ion:184 Resp: 334863

Ion Ratio Lower Upper

184 100

185 14.4 11.6 17.4

183 11.9 9.4 14.0



#78

Pyrene

Concen: 41.240 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

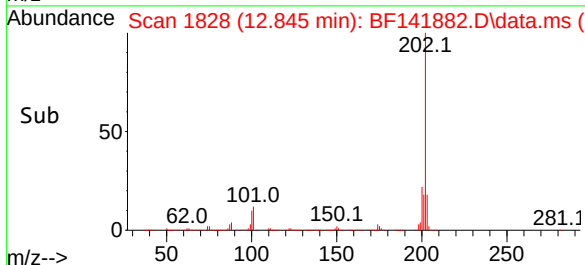
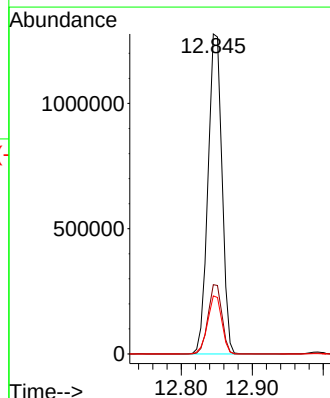
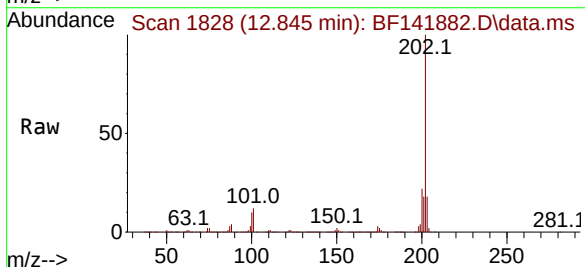
Tgt Ion:202 Resp: 1750834

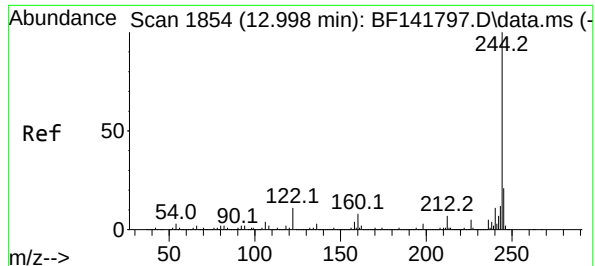
Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.0

203 18.2 14.6 22.0





#79

Terphenyl-d14

Concen: 87.300 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

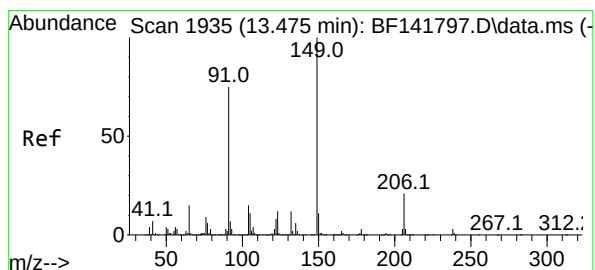
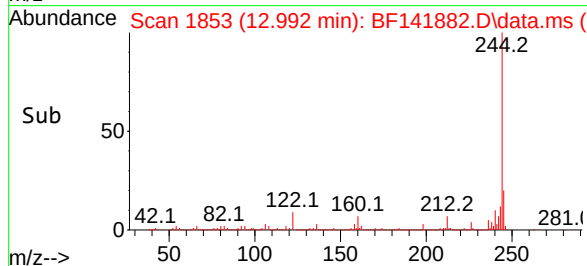
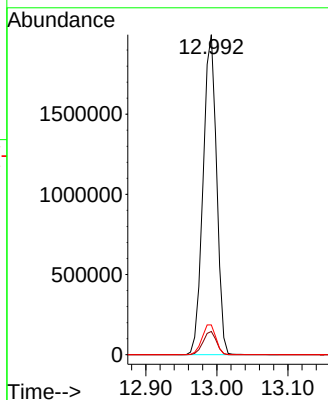
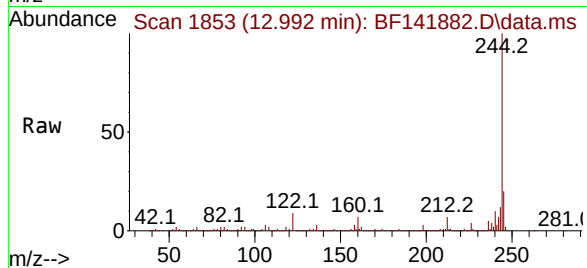
Tgt Ion:244 Resp: 2645443

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.3 9.0 13.6



#80

Butylbenzylphthalate

Concen: 43.806 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

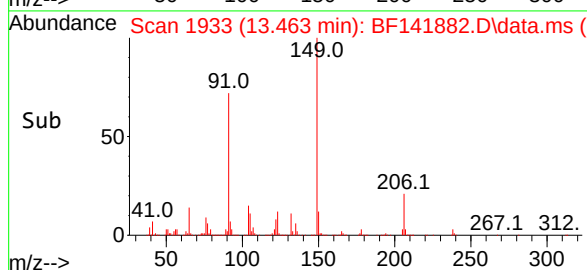
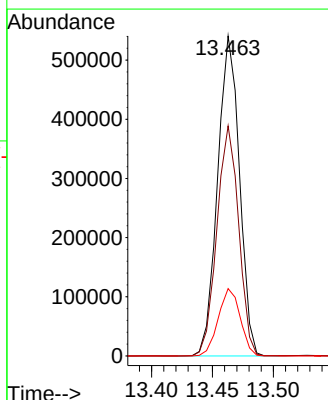
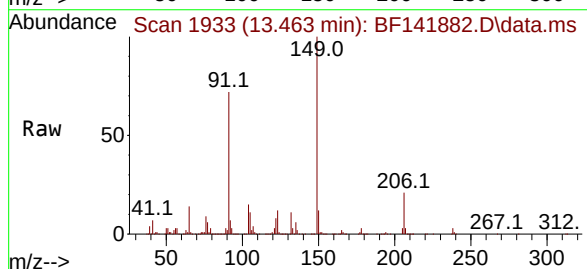
Tgt Ion:149 Resp: 675703

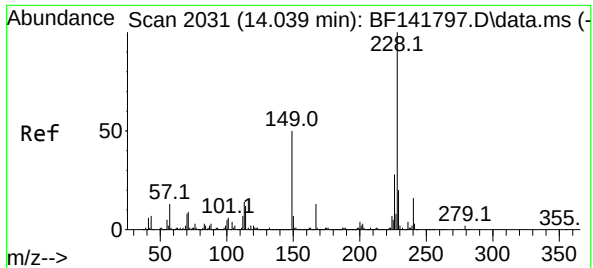
Ion Ratio Lower Upper

149 100

91 71.9 60.1 90.1

206 21.1 16.8 25.2





#81

Benzo(a)anthracene

Concen: 40.602 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

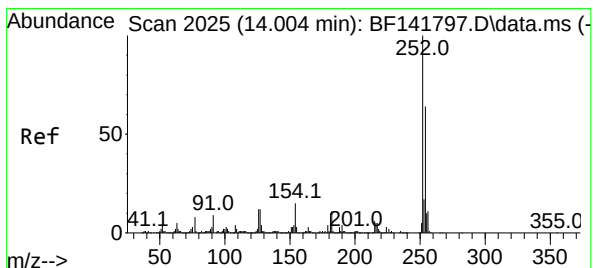
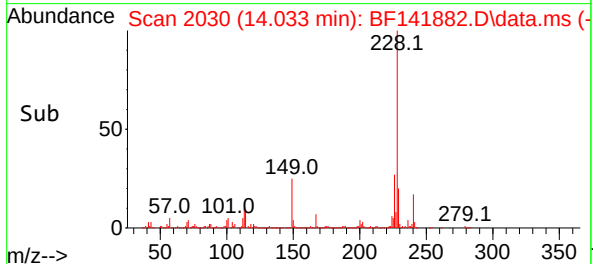
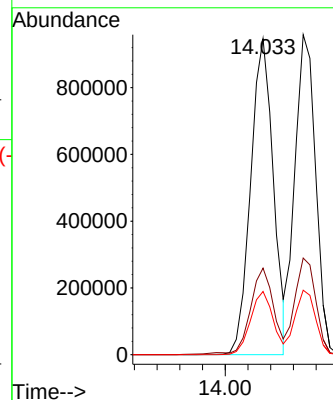
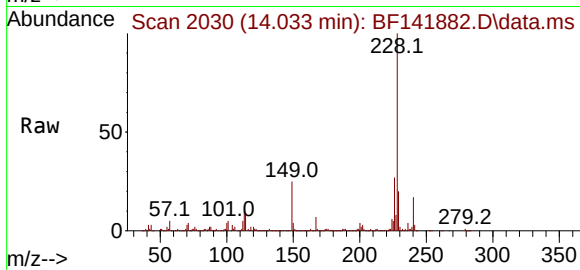
Tgt Ion:228 Resp: 1314838

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 20.0 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 41.897 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

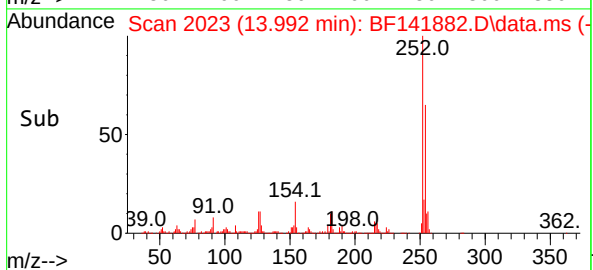
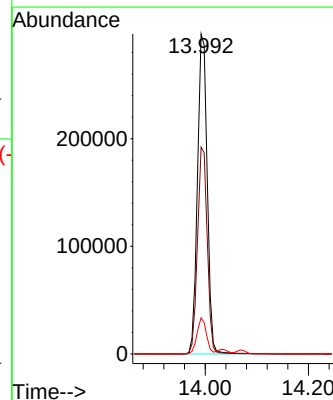
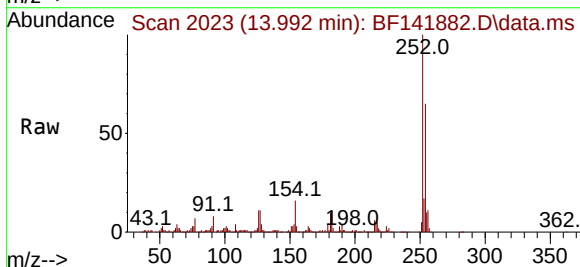
Tgt Ion:252 Resp: 389271

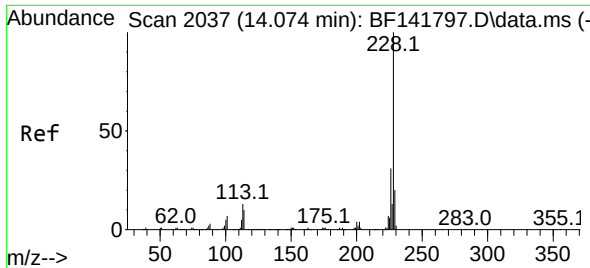
Ion Ratio Lower Upper

252 100

254 64.6 51.4 77.0

126 11.3 9.8 14.6

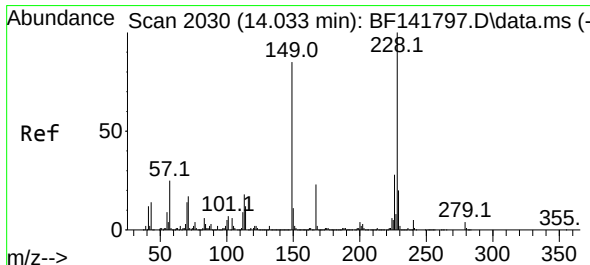
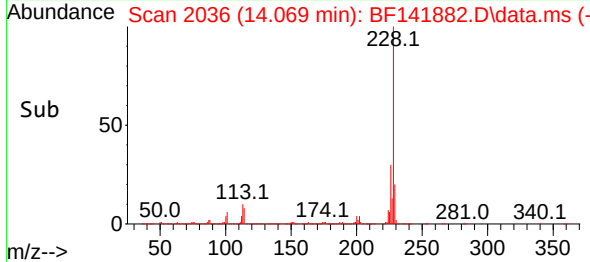
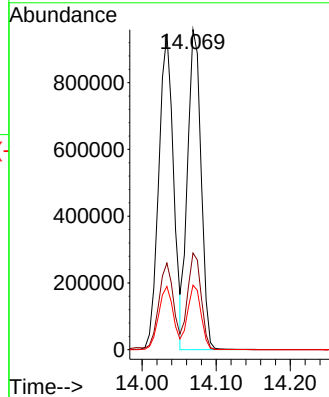
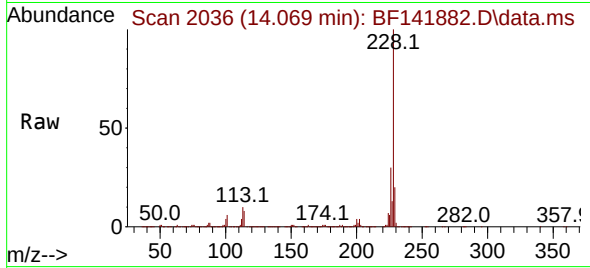




#83
Chrysene
Concen: 40.821 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

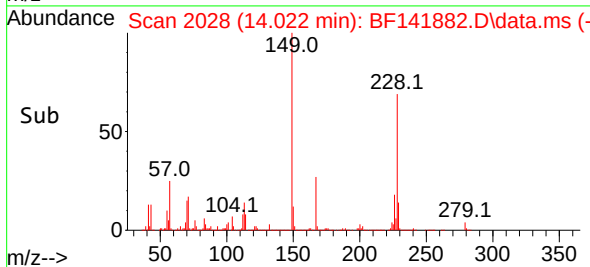
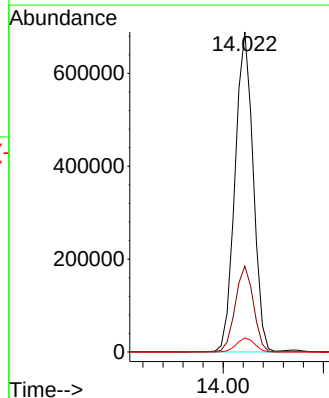
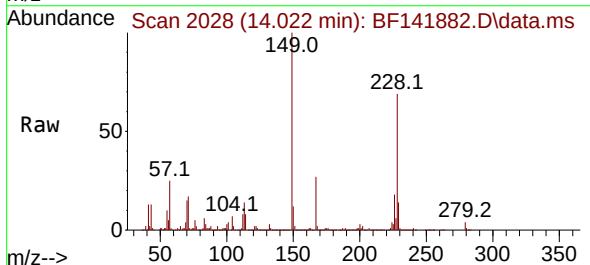
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

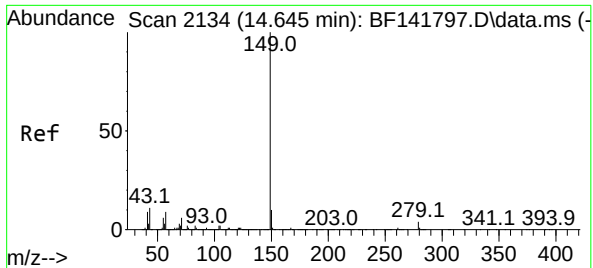
Tgt Ion:228 Resp: 1218583
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 20.2 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.141 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 866982
Ion Ratio Lower Upper
149 100
167 26.8 21.2 31.8
279 4.4 3.3 4.9

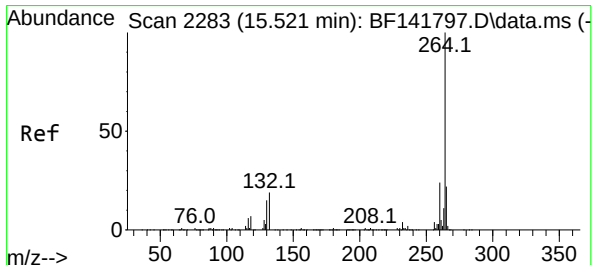
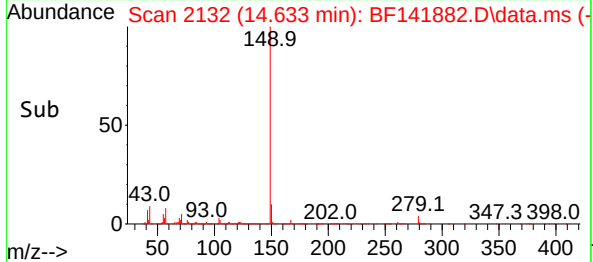
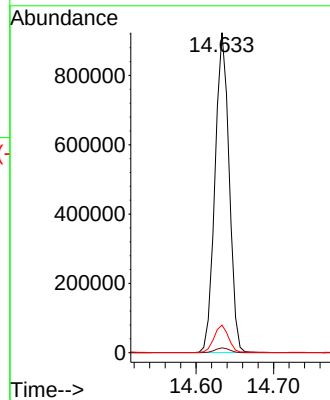
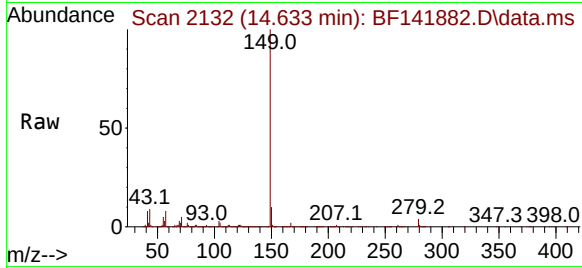




#85
Di-n-octyl phthalate
Concen: 40.729 ng
RT: 14.633 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

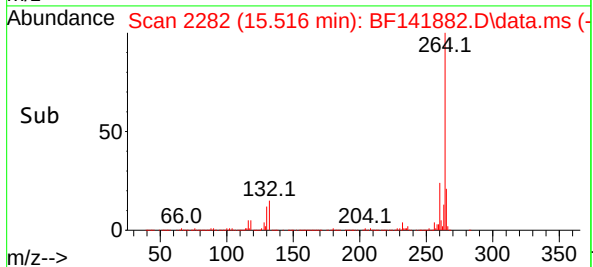
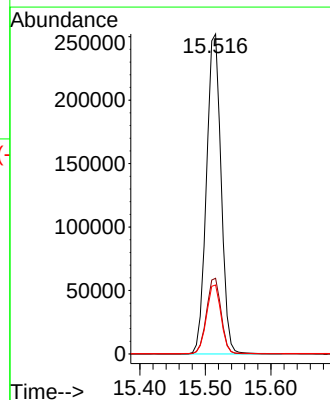
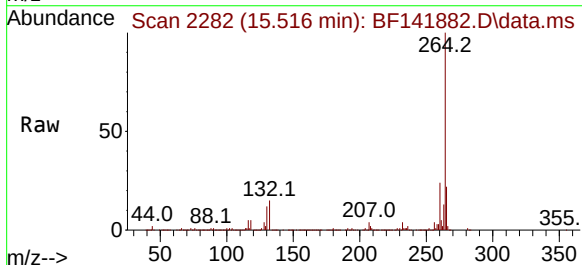
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

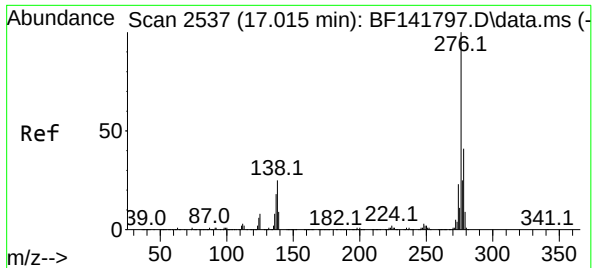
Tgt Ion:149 Resp: 1171115
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.8 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:264 Resp: 391726
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.142 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

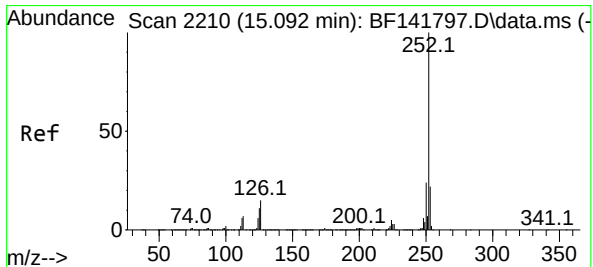
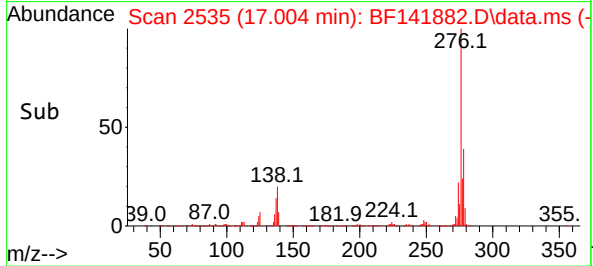
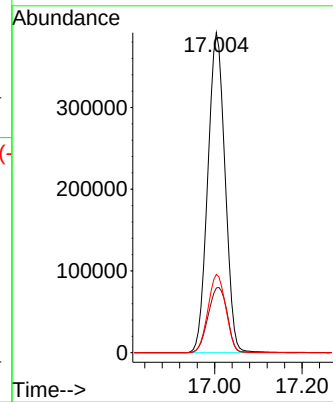
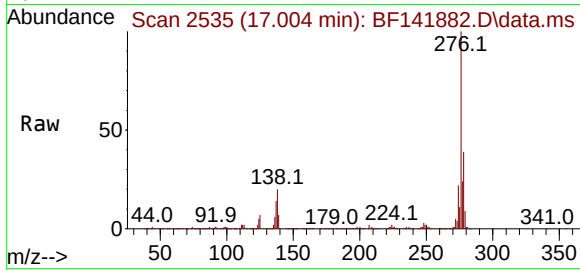
Tgt Ion:276 Resp: 1076120

Ion Ratio Lower Upper

276 100

138 22.6 22.5 33.7

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.113 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

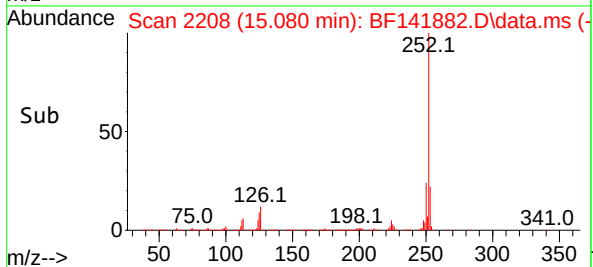
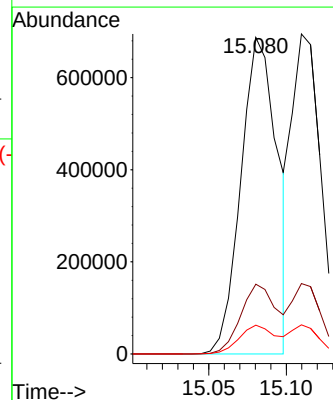
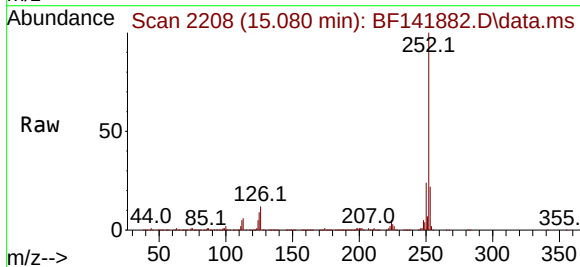
Tgt Ion:252 Resp: 1123711

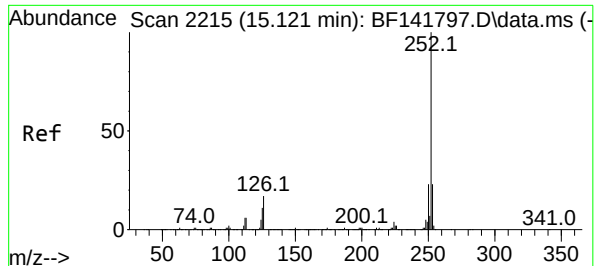
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.990 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

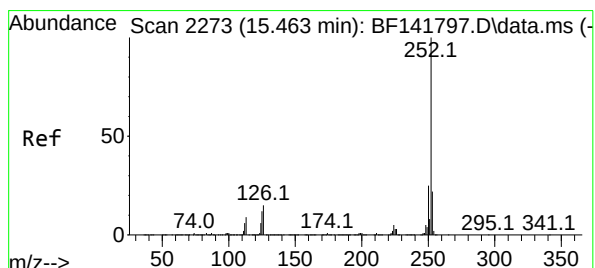
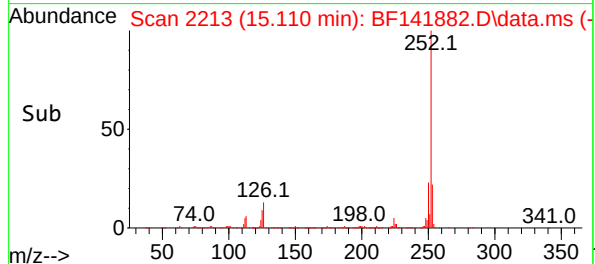
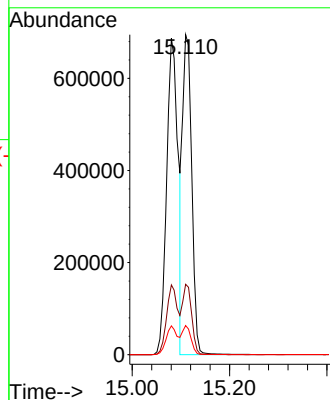
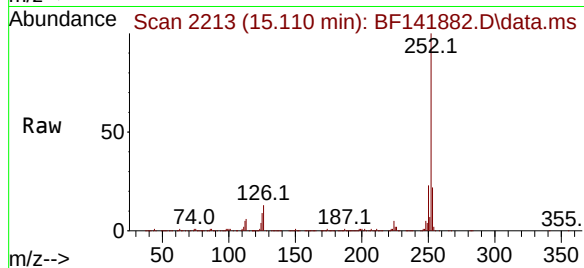
Tgt Ion:252 Resp: 906957

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 9.1 8.8 13.2



#90

Benzo(a)pyrene

Concen: 41.098 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141882.D

Acq: 07 Mar 2025 08:56

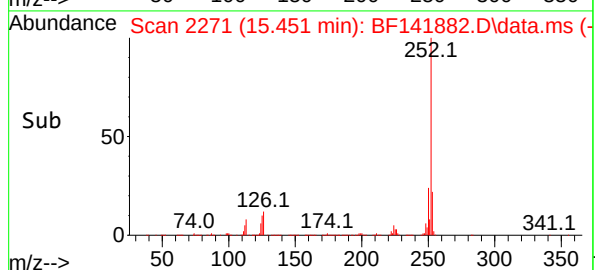
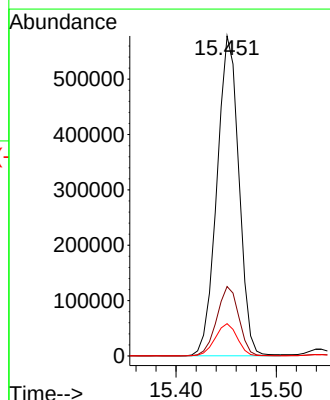
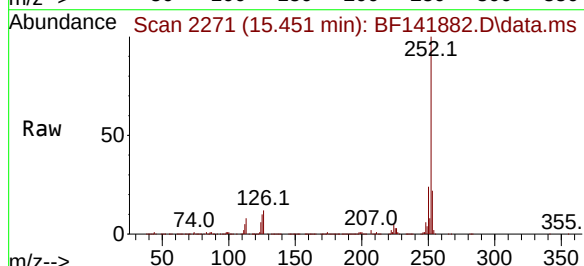
Tgt Ion:252 Resp: 879490

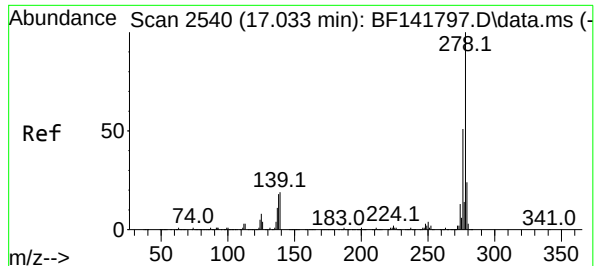
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.1 9.4 14.2

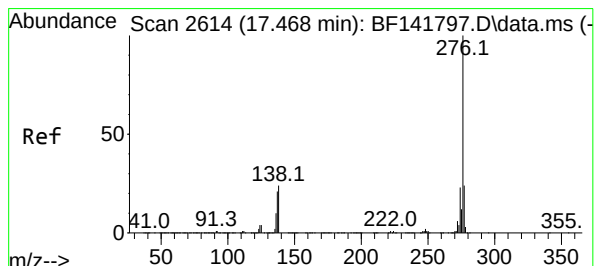
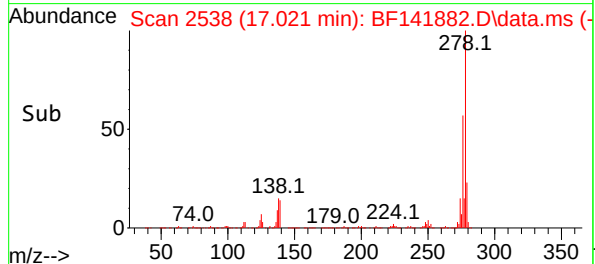
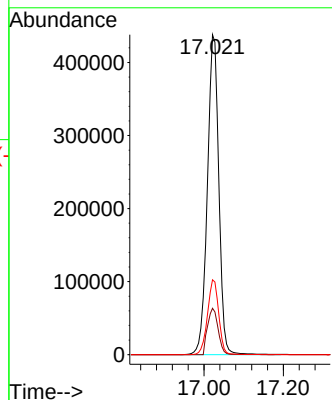
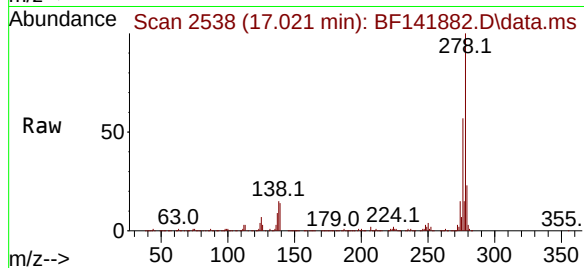




#91
Dibenzo(a,h)anthracene
Concen: 43.122 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

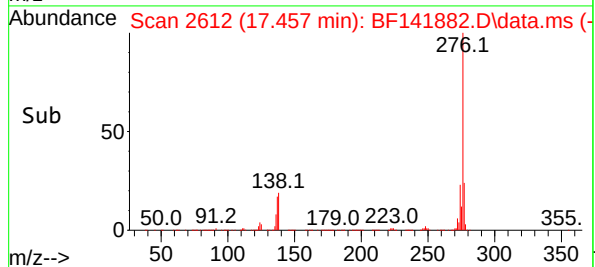
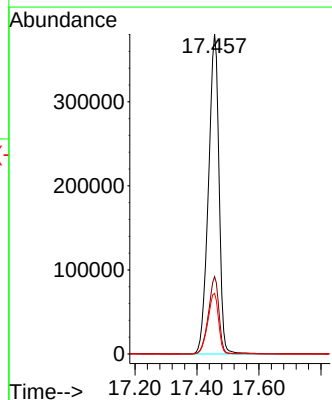
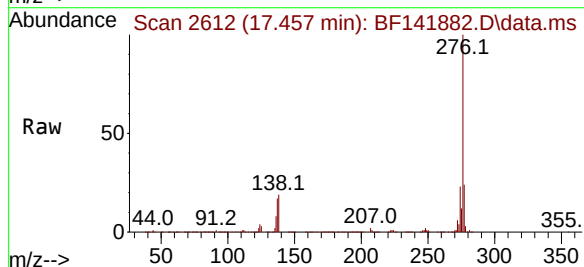
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 877994
Ion Ratio Lower Upper
278 100
139 14.5 14.9 22.3#
279 23.4 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 43.283 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:276 Resp: 902824
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 19.0 19.3 28.9#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141882.D
 Acq On : 07 Mar 2025 08:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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	71	0.00
2	1,4-Dioxane	0.568	0.546	3.9	65	0.00
3	Pyridine	1.414	1.348	4.7	65	0.00
4	n-Nitrosodimethylamine	0.680	0.652	4.1	64	0.00
5 S	2-Fluorophenol	1.252	1.256	-0.3	70	0.00
6	Aniline	1.695	1.562	7.8	62	0.00
7 S	Phenol-d6	1.630	1.579	3.1	67	0.00
8	2-Chlorophenol	1.355	1.348	0.5	68	0.00
9	Benzaldehyde	0.948	0.782	17.5	57	0.00
10 C	Phenol	1.742	1.670	4.1	65	0.00
11	bis(2-Chloroethyl)ether	1.328	1.215	8.5	65	0.00
12	1,3-Dichlorobenzene	1.451	1.464	-0.9	69	0.00
13 C	1,4-Dichlorobenzene	1.462	1.487	-1.7	70	0.00
14	1,2-Dichlorobenzene	1.365	1.385	-1.5	70	0.00
15	Benzyl Alcohol	1.303	1.274	2.2	66	0.00
16	2,2'-oxybis(1-Chloropropane	2.016	1.441	28.5#	49#	0.00
17	2-Methylphenol	1.118	1.079	3.5	66	0.00
18	Hexachloroethane	0.547	0.553	-1.1	68	0.00
19 P	n-Nitroso-di-n-propylamine	1.072	0.947	11.7	62	0.00
20	3+4-Methylphenols	1.392	1.368	1.7	68	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22	Acetophenone	0.487	0.491	-0.8	67	0.00
23 S	Nitrobenzene-d5	0.313	0.378	-20.8	75	0.00
24	Nitrobenzene	0.335	0.376	-12.2	70	0.00
25	Isophorone	0.672	0.628	6.5	62	0.00
26 C	2-Nitrophenol	0.127	0.190	-49.6#	90	0.00
27	2,4-Dimethylphenol	0.247	0.249	-0.8	66	0.00
28	bis(2-Chloroethoxy)methane	0.429	0.389	9.3	61	0.00
29 C	2,4-Dichlorophenol	0.285	0.303	-6.3	69	0.00
30	1,2,4-Trichlorobenzene	0.312	0.331	-6.1	70	0.00
31	Naphthalene	1.028	1.051	-2.2	68	0.00
32	Benzoic acid	0.179	0.244	-36.3#	86	0.00
33	4-Chloroaniline	0.377	0.369	2.1	66	0.00
34 C	Hexachlorobutadiene	0.194	0.214	-10.3	73	0.00
35	Caprolactam	0.088	0.094	-6.8	69	0.00
36 C	4-Chloro-3-methylphenol	0.317	0.339	-6.9	71	0.00
37	2-Methylnaphthalene	0.674	0.681	-1.0	68	0.00
38	1-Methylnaphthalene	0.647	0.660	-2.0	69	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	68	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.623	-7.8	72	0.00
41 P	Hexachlorocyclopentadiene	0.241	0.262	-8.7	69	0.00
42 S	2,4,6-Tribromophenol	0.188	0.260	-38.3#	89	0.00
43 C	2,4,6-Trichlorophenol	0.373	0.408	-9.4	70	0.00
44	2,4,5-Trichlorophenol	0.369	0.436	-18.2	77	0.00
45 S	2-Fluorobiphenyl	1.247	1.329	-6.6	73	0.00
46	1,1'-Biphenyl	1.522	1.560	-2.5	70	0.00
47	2-Chloronaphthalene	1.124	1.171	-4.2	70	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141882.D
 Acq On : 07 Mar 2025 08:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.260	0.365	-40.4#	83	0.00
49	Acenaphthylene	1.685	1.745	-3.6	69	0.00
50	Dimethylphthalate	1.339	1.407	-5.1	70	0.00
51	2,6-Dinitrotoluene	0.226	0.311	-37.6#	82	0.00
52 C	Acenaphthene	1.137	1.254	-10.3	74	0.00
53	3-Nitroaniline	0.241	0.329	-36.5#	81	0.00
54 P	2,4-Dinitrophenol	0.089	0.177	-98.9#	130	0.00
55	Dibenzofuran	1.654	1.704	-3.0	70	0.00
56 P	4-Nitrophenol	0.198	0.275	-38.9#	82	0.00
57	2,4-Dinitrotoluene	0.269	0.415	-54.3#	90	0.00
58	Fluorene	1.239	1.331	-7.4	74	0.00
59	2,3,4,6-Tetrachlorophenol	0.321	0.383	-19.3	77	0.00
60	Diethylphthalate	1.343	1.408	-4.8	69	-0.01
61	4-Chlorophenyl-phenylether	0.621	0.678	-9.2	74	0.00
62	4-Nitroaniline	0.229	0.328	-43.2#	83	0.00
63	Azobenzene	1.414	1.333	5.7	63	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	70	0.00
65	4,6-Dinitro-2-methylphenol	0.081	0.140	-72.8#	114	0.00
66 c	n-Nitrosodiphenylamine	0.657	0.661	-0.6	70	0.00
67	4-Bromophenyl-phenylether	0.234	0.251	-7.3	74	0.00
68	Hexachlorobenzene	0.247	0.280	-13.4	78	0.00
69	Atrazine	0.181	0.156	13.8	61	0.00
70 C	Pentachlorophenol	0.156	0.195	-25.0#	82	0.00
71	Phenanthrene	1.070	1.122	-4.9	73	0.00
72	Anthracene	1.072	1.121	-4.6	74	0.00
73	Carbazole	0.947	1.010	-6.7	74	0.00
74	Di-n-butylphthalate	1.200	1.226	-2.2	71	-0.01
75 C	Fluoranthene	1.096	1.201	-9.6	77	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77	Benzydine	0.252	0.342	-35.7#	103	0.00
78	Pyrene	1.732	1.786	-3.1	77	0.00
79 S	Terphenyl-d14	1.236	1.349	-9.1	83	0.00
80	Butylbenzylphthalate	0.629	0.689	-9.5	80	-0.01
81	Benzo(a)anthracene	1.321	1.341	-1.5	80	0.00
82	3,3'-Dichlorobenzidine	0.379	0.397	-4.7	79	-0.01
83	Chrysene	1.218	1.243	-2.1	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.783	0.884	-12.9	83	-0.01
85 c	Di-n-octyl phthalate	1.173	1.194	-1.8	71	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	69	0.00
87	Indeno(1,2,3-cd)pyrene	1.274	1.374	-7.8	70	-0.01
88	Benzo(b)fluoranthene	1.362	1.434	-5.3	76	-0.01
89	Benzo(k)fluoranthene	1.158	1.158	0.0	66	-0.01
90 C	Benzo(a)pyrene	1.093	1.123	-2.7	69	-0.01
91	Dibenzo(a,h)anthracene	1.040	1.121	-7.8	70	-0.01
92	Benzo(g,h,i)perylene	1.065	1.152	-8.2	70	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141882.D
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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	71	0.00
2	1,4-Dioxane	40.000	38.402	4.0	65	0.00
3	Pyridine	40.000	38.149	4.6	65	0.00
4	n-Nitrosodimethylamine	40.000	38.344	4.1	64	0.00
5 S	2-Fluorophenol	80.000	80.217	-0.3	70	0.00
6	Aniline	40.000	36.857	7.9	62	0.00
7 S	Phenol-d6	80.000	77.483	3.1	67	0.00
8	2-Chlorophenol	40.000	39.810	0.5	68	0.00
9	Benzaldehyde	40.000	32.976	17.6	57	0.00
10 C	Phenol	40.000	38.350	4.1	65	0.00
11	bis(2-Chloroethyl)ether	40.000	36.600	8.5	65	0.00
12	1,3-Dichlorobenzene	40.000	40.364	-0.9	69	0.00
13 C	1,4-Dichlorobenzene	40.000	40.677	-1.7	70	0.00
14	1,2-Dichlorobenzene	40.000	40.575	-1.4	70	0.00
15	Benzyl Alcohol	40.000	39.112	2.2	66	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	28.578	28.6#	49	0.00
17	2-Methylphenol	40.000	38.580	3.6	66	0.00
18	Hexachloroethane	40.000	40.401	-1.0	68	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.361	11.6	62	0.00
20	3+4-Methylphenols	40.000	39.298	1.8	68	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22	Acetophenone	40.000	40.296	-0.7	67	0.00
23 S	Nitrobenzene-d5	80.000	96.733	-20.9	75	0.00
24	Nitrobenzene	40.000	44.877	-12.2	70	0.00
25	Isophorone	40.000	37.378	6.6	62	0.00
26 C	2-Nitrophenol	40.000	50.577	-26.4#	90	0.00
27	2,4-Dimethylphenol	40.000	40.322	-0.8	66	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.287	9.3	61	0.00
29 C	2,4-Dichlorophenol	40.000	42.576	-6.4	69	0.00
30	1,2,4-Trichlorobenzene	40.000	42.442	-6.1	70	0.00
31	Naphthalene	40.000	40.885	-2.2	68	0.00
32	Benzoic acid	40.000	47.436	-18.6	86	0.00
33	4-Chloroaniline	40.000	39.191	2.0	66	0.00
34 C	Hexachlorobutadiene	40.000	44.100	-10.3	73	0.00
35	Caprolactam	40.000	42.679	-6.7	69	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.828	-7.1	71	0.00
37	2-Methylnaphthalene	40.000	40.403	-1.0	68	0.00
38	1-Methylnaphthalene	40.000	40.781	-2.0	69	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	68	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.129	-7.8	72	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.507	-8.8	69	0.00
42 S	2,4,6-Tribromophenol	80.000	110.979	-38.7#	89	0.00
43 C	2,4,6-Trichlorophenol	40.000	43.751	-9.4	70	0.00
44	2,4,5-Trichlorophenol	40.000	47.207	-18.0	77	0.00
45 S	2-Fluorobiphenyl	80.000	85.212	-6.5	73	0.00
46	1,1'-Biphenyl	40.000	40.983	-2.5	70	0.00
47	2-Chloronaphthalene	40.000	41.702	-4.3	70	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141882.D
 Acq On : 07 Mar 2025 08:56
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 Sample : SSTDCCC040
 Misc :
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Instrument :
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Quant Time: Mar 07 09:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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	47.578	-18.9	83	0.00
49	Acenaphthylene	40.000	41.425	-3.6	69	0.00
50	Dimethylphthalate	40.000	42.024	-5.1	70	0.00
51	2,6-Dinitrotoluene	40.000	48.466	-21.2	82	0.00
52 C	Acenaphthene	40.000	44.141	-10.4	74	0.00
53	3-Nitroaniline	40.000	48.270	-20.7	81	0.00
54 P	2,4-Dinitrophenol	40.000	64.789	-62.0#	130	0.00
55	Dibenzofuran	40.000	41.199	-3.0	70	0.00
56 P	4-Nitrophenol	40.000	55.625	-39.1#	82	0.00
57	2,4-Dinitrotoluene	40.000	52.617	-31.5#	90	0.00
58	Fluorene	40.000	42.973	-7.4	74	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	47.692	-19.2	77	0.00
60	Diethylphthalate	40.000	41.951	-4.9	69	-0.01
61	4-Chlorophenyl-phenylether	40.000	43.684	-9.2	74	0.00
62	4-Nitroaniline	40.000	57.344	-43.4#	83	0.00
63	Azobenzene	40.000	37.727	5.7	63	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	70	0.00
65	4,6-Dinitro-2-methylphenol	40.000	57.660	-44.1#	114	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.261	-0.7	70	0.00
67	4-Bromophenyl-phenylether	40.000	42.900	-7.2	74	0.00
68	Hexachlorobenzene	40.000	45.366	-13.4	78	0.00
69	Atrazine	40.000	34.487	13.8	61	0.00
70 C	Pentachlorophenol	40.000	49.971	-24.9#	82	0.00
71	Phenanthrene	40.000	41.941	-4.9	73	0.00
72	Anthracene	40.000	41.818	-4.5	74	0.00
73	Carbazole	40.000	42.664	-6.7	74	0.00
74	Di-n-butylphthalate	40.000	40.848	-2.1	71	-0.01
75 C	Fluoranthene	40.000	43.809	-9.5	77	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77	Benzydine	40.000	54.265	-35.7#	103	0.00
78	Pyrene	40.000	41.240	-3.1	77	0.00
79 S	Terphenyl-d14	80.000	87.300	-9.1	83	0.00
80	Butylbenzylphthalate	40.000	43.806	-9.5	80	-0.01
81	Benzo(a)anthracene	40.000	40.602	-1.5	80	0.00
82	3,3'-Dichlorobenzidine	40.000	41.897	-4.7	79	-0.01
83	Chrysene	40.000	40.821	-2.1	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.141	-12.9	83	-0.01
85 c	Di-n-octyl phthalate	40.000	40.729	-1.8	71	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	69	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.142	-7.9	70	-0.01
88	Benzo(b)fluoranthene	40.000	42.113	-5.3	76	-0.01
89	Benzo(k)fluoranthene	40.000	39.990	0.0	66	-0.01
90 C	Benzo(a)pyrene	40.000	41.098	-2.7	69	-0.01
91	Dibenzo(a,h)anthracene	40.000	43.122	-7.8	70	-0.01
92	Benzo(g,h,i)perylene	40.000	43.283	-8.2	70	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
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Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

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 = 2



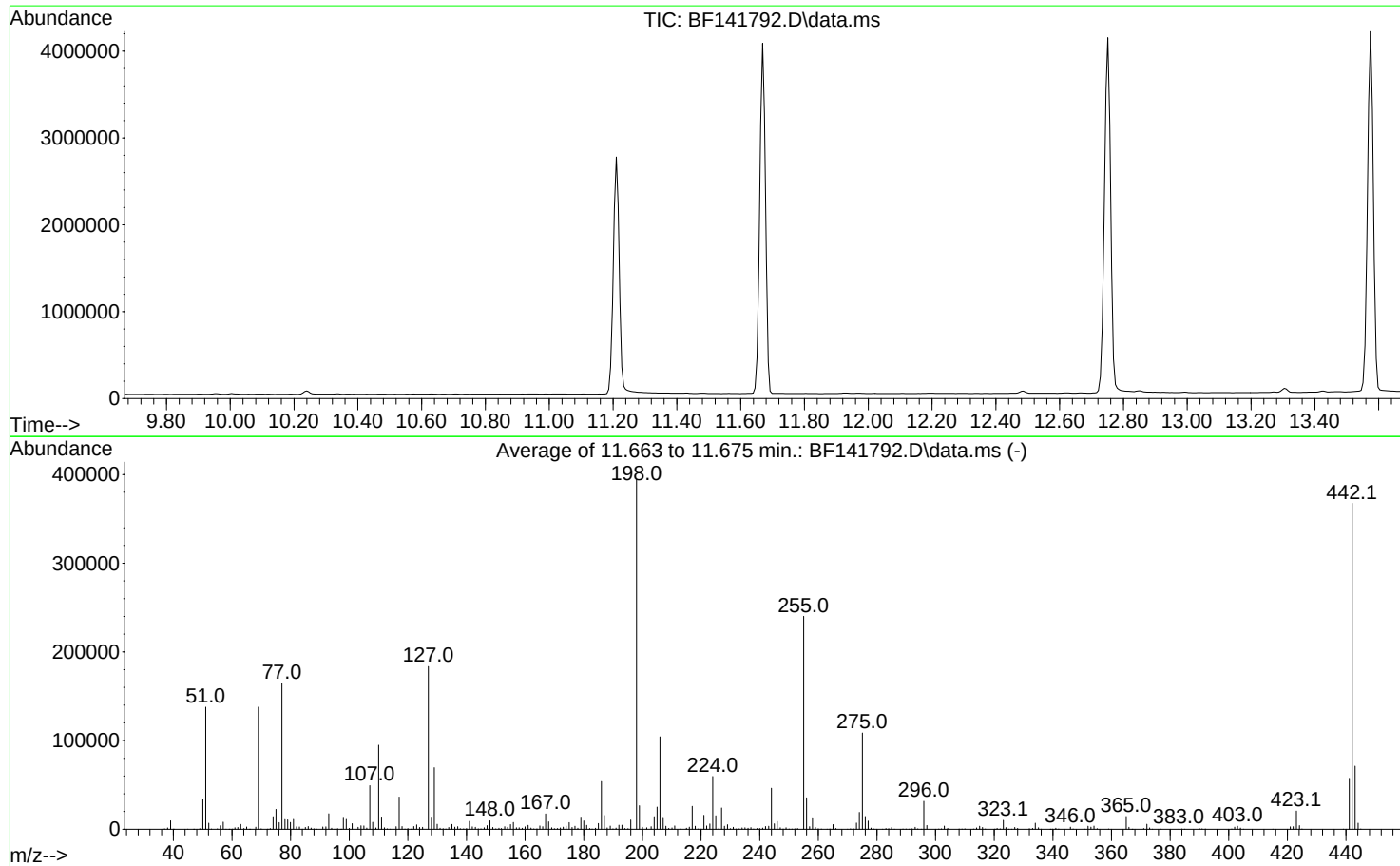
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025



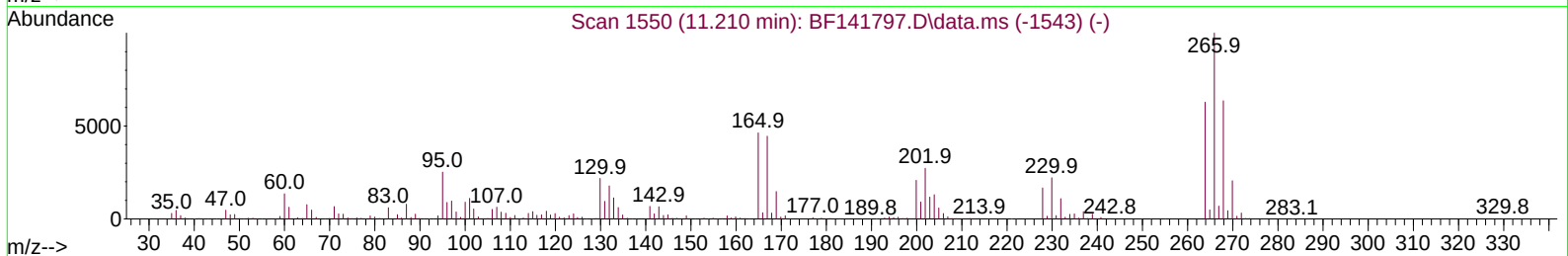
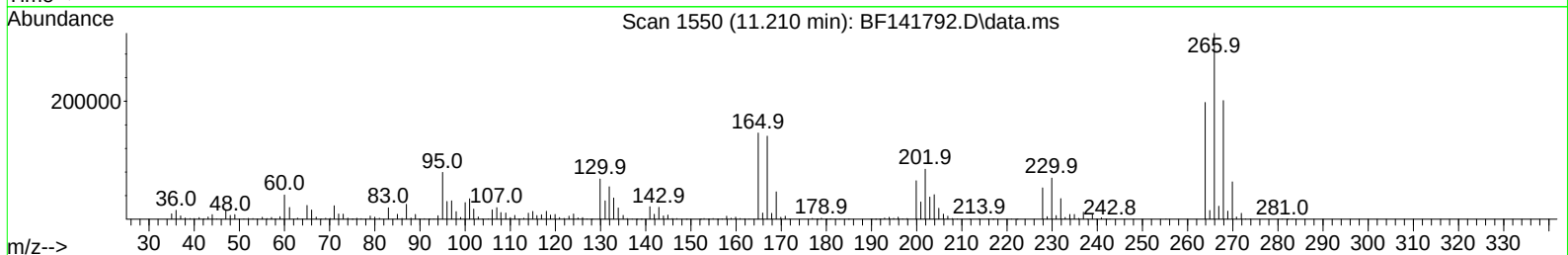
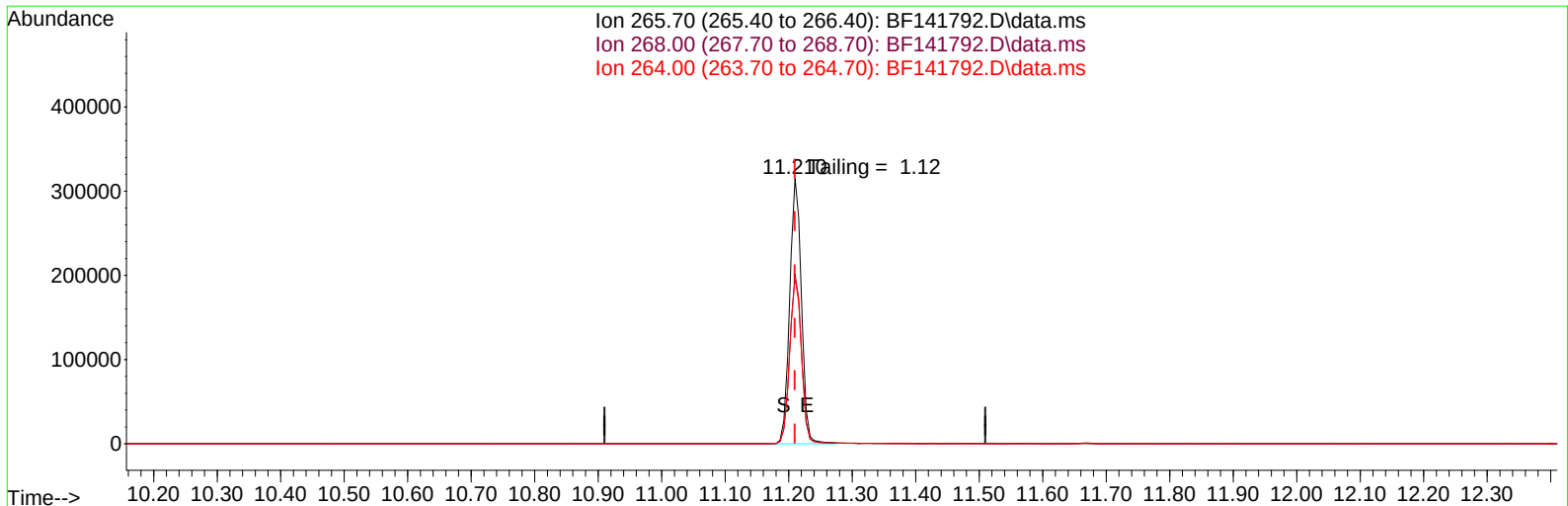
AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.9	137699	PASS
68	69	0.00	2	1.7	2348	PASS
69	198	0.00	100	34.9	137773	PASS
70	69	0.00	2	0.4	593	PASS
127	198	10	80	46.5	183483	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	394304	PASS
199	198	5	9	6.7	26613	PASS
275	198	10	60	27.6	108637	PASS
365	198	1	100	3.7	14499	PASS
441	198	0.01	100	14.6	57517	PASS
442	442	50	100	100.0	367680	PASS
443	442	15	24	19.4	71267	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 28 01:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



TIC: BF141792.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 55299.21 ng

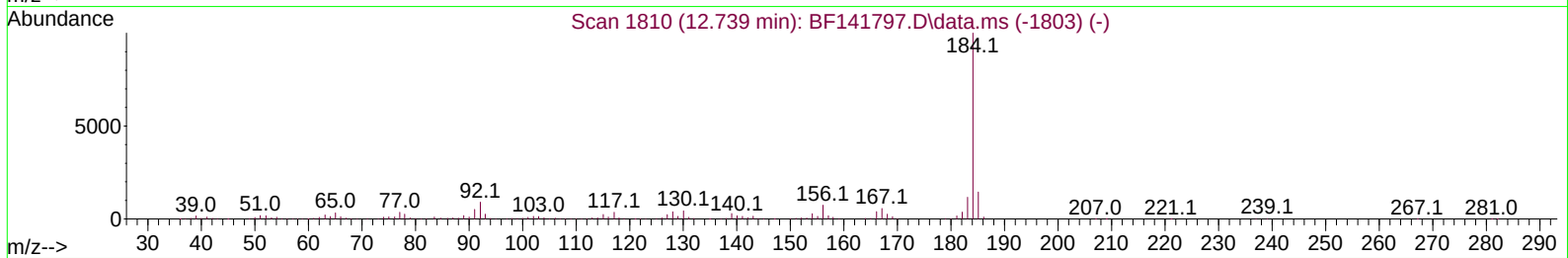
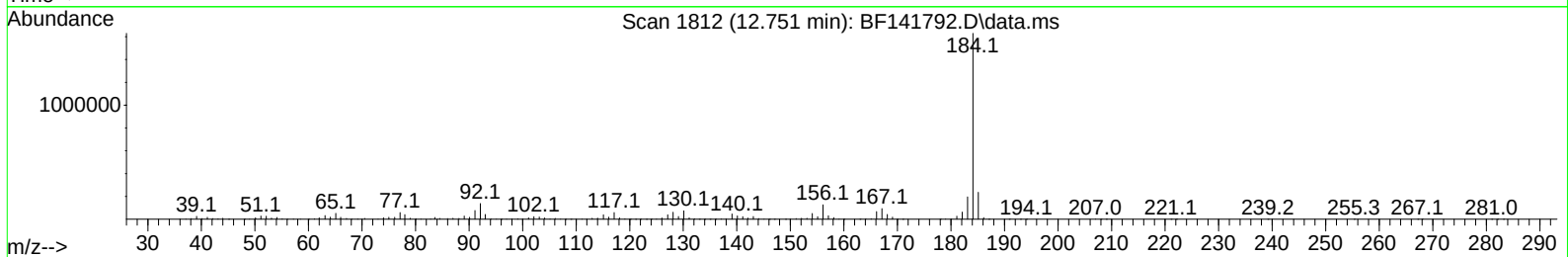
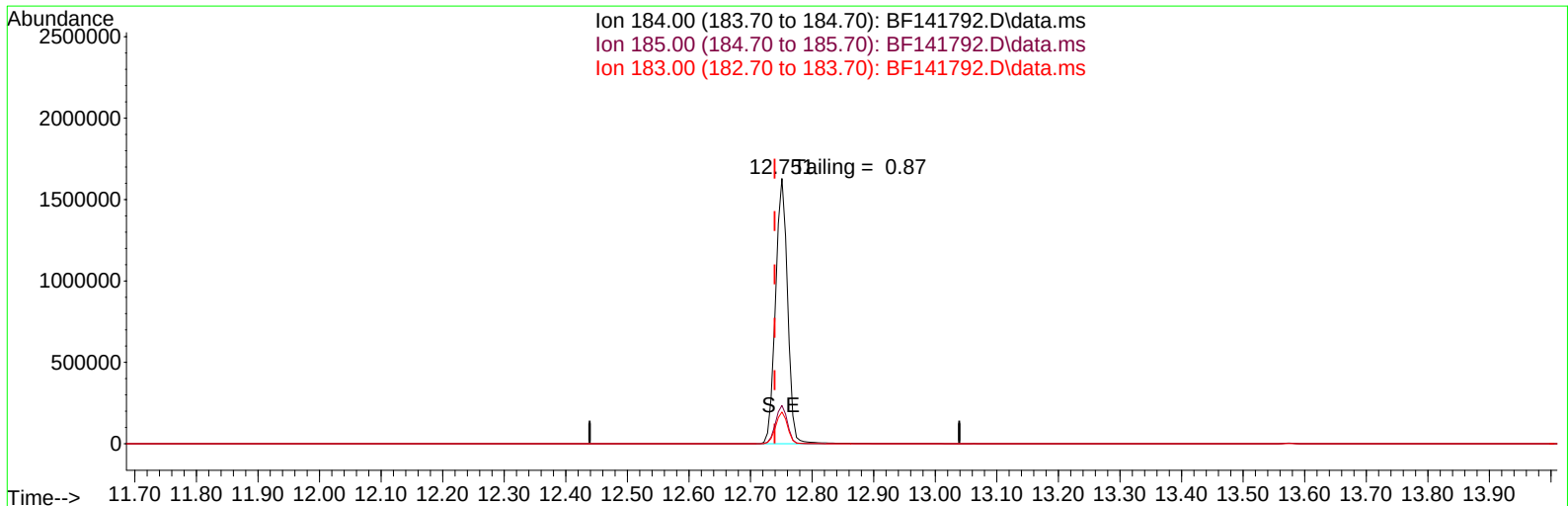
response 409665

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.84
264.00	62.80	62.85
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 28 01:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



TIC: BF141792.D\data.ms

(77) Benzidine

12.751min (+ 0.012) 190021.56 ng

response 2231445

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.44
183.00	11.70	11.98
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

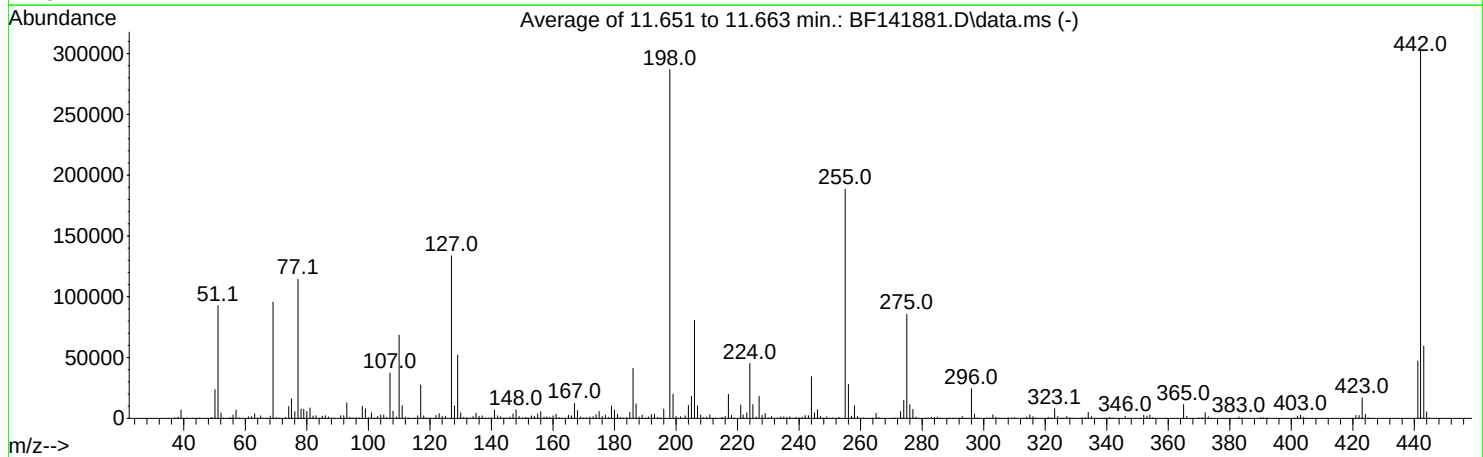
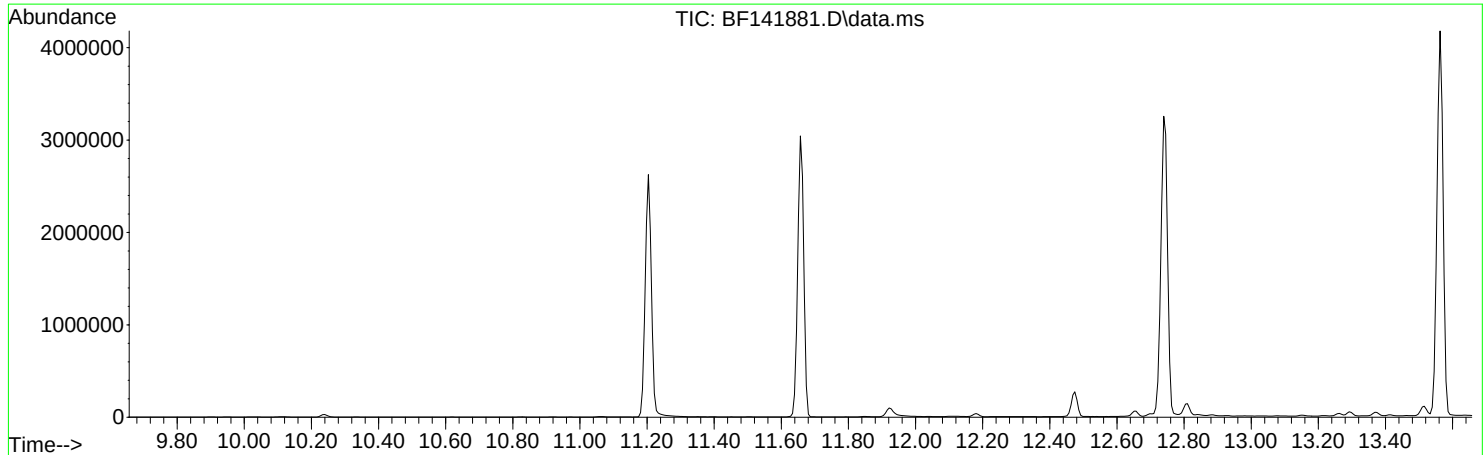
Date	Instrument Name	DFTPP Data File
2/27/2025	BNA_F	<u>BF141792.D</u>
Compound Name	Response	Retention Time
DDT	938485	13.575
DDD	9936	13.304
DDE	0	12.827
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9936	948421	1.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025



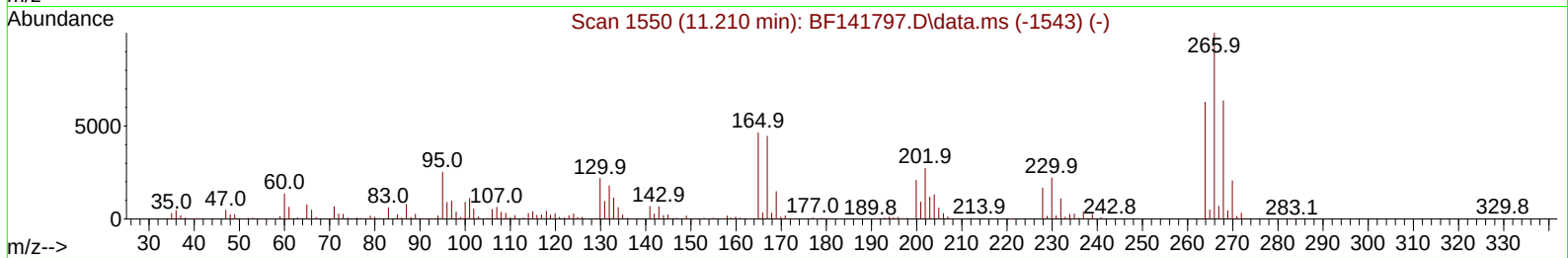
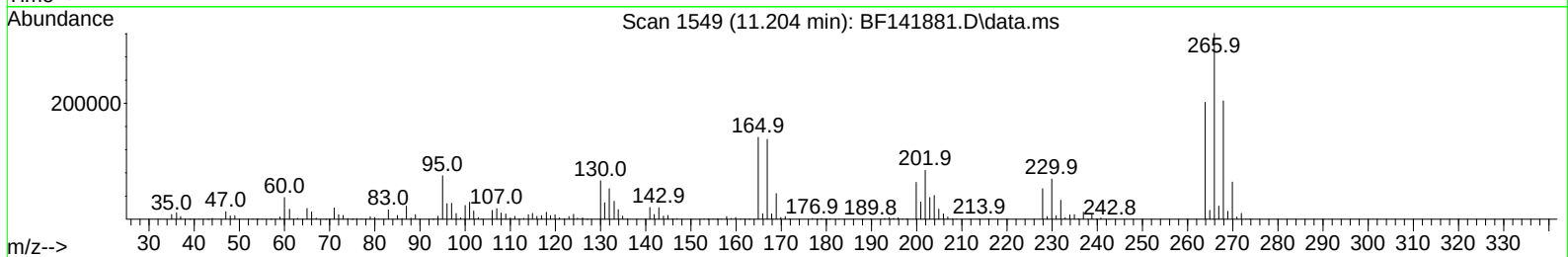
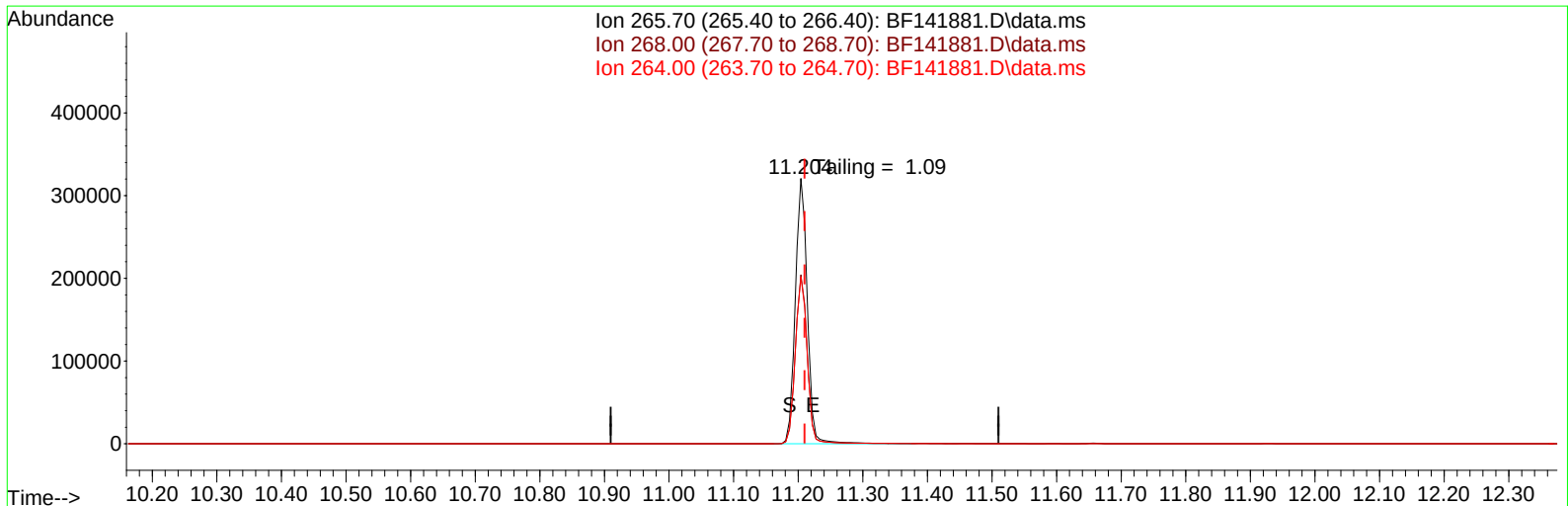
AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.3	92640	PASS
68	69	0.00	2	2.0	1892	PASS
69	198	0.00	100	33.4	95707	PASS
70	69	0.00	2	0.8	730	PASS
127	198	10	80	46.6	133723	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	286869	PASS
199	198	5	9	6.9	19893	PASS
275	198	10	60	29.9	85757	PASS
365	198	1	100	4.0	11387	PASS
441	198	0.01	100	16.5	47280	PASS
442	442	50	100	100.0	302571	PASS
443	442	15	24	19.7	59485	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 07 09:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



TIC: BF141881.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 136401.80 ng

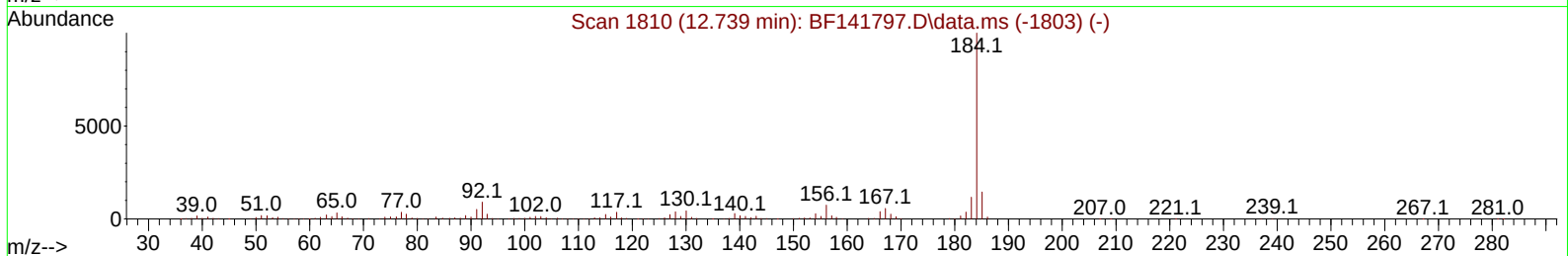
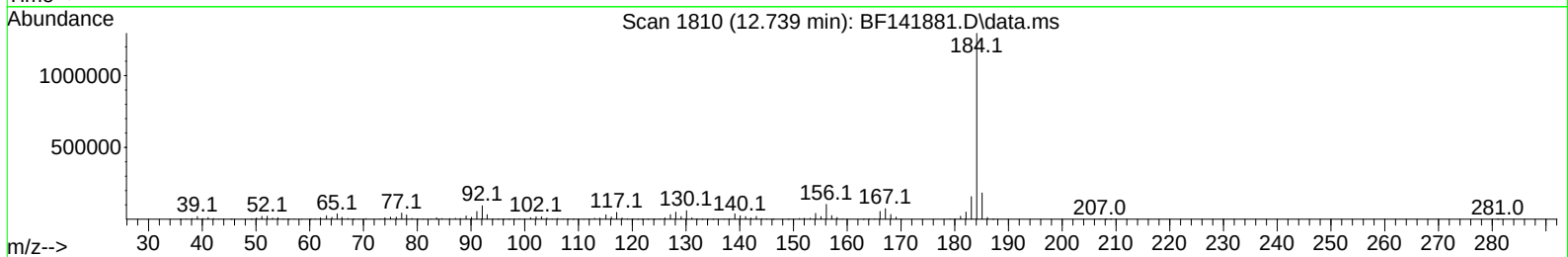
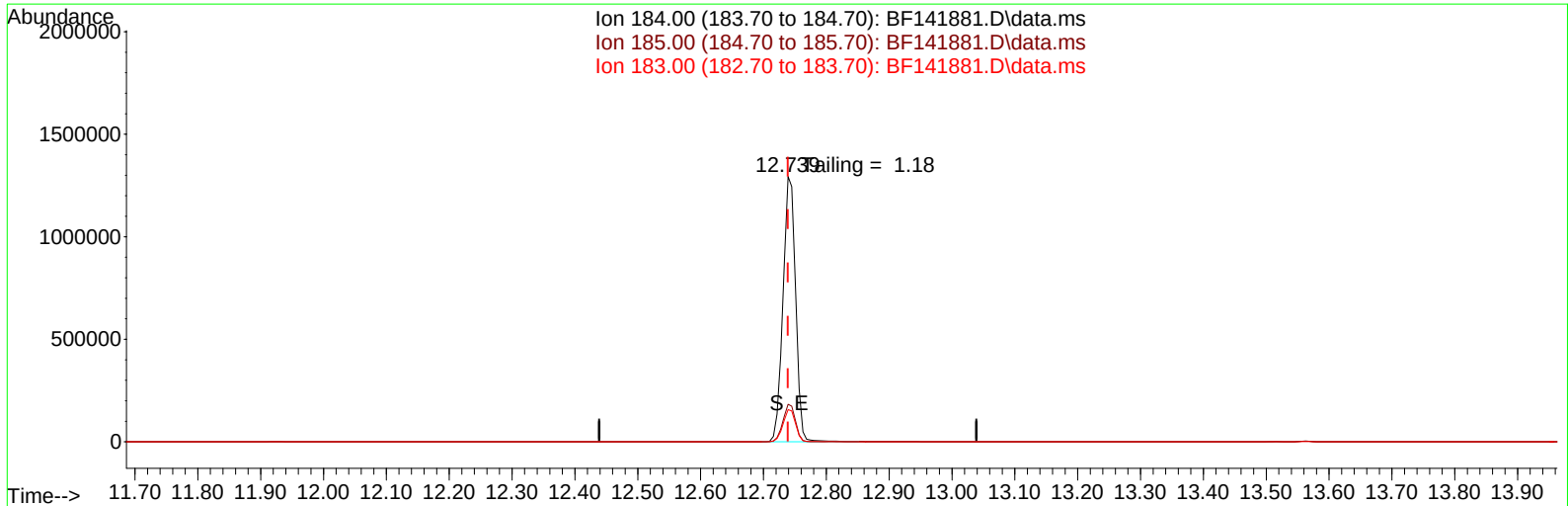
response 416145

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.68
264.00	62.80	62.88
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 07 09:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



TIC: BF141881.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 161104.25 ng

response 1816840

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.17
183.00	11.70	12.15
0.00	0.00	0.00

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/7/2025	BNA_F	<u>BF141881.D</u>
Compound Name	Response	Retention Time
DDT	1053294	13.563
DDD	17562	13.292
DDE	1240	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18802	1072096	1.75

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BL	SDG No.:	Q1478
Lab Sample ID:	PB167016BL	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
BF141883.D	1	03/05/25 13:00	03/07/25 09:26	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (49) - 130 (133)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.1		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	121%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (48) - 130 (125)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	178000	6.881			
1146-65-2	Naphthalene-d8	706000	8.163			
15067-26-2	Acenaphthene-d10	393000	9.916			
1517-22-2	Phenanthrene-d10	712000	11.404			
1719-03-5	Chrysene-d12	610000	14.039			
1520-96-3	Perylene-d12	477000	15.51			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BL	SDG No.:	Q1478
Lab Sample ID:	PB167016BL	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
BF141883.D	1	03/05/25 13:00	03/07/25 09:26	PB167016

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\BF030725\
Data File : BF141883.D
Acq On : 07 Mar 2025 09:26
Operator : RC/JU
Sample : PB167016BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Quant Time: Mar 07 10:00:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	178277	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	706438	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	393220	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	712186	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	610478	20.000	ng	-0.01
86) Perylene-d12	15.510	264	476523	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1443849	129.339	ng	0.01
7) Phenol-d6	6.504	99	1765527	121.509	ng	0.00
23) Nitrobenzene-d5	7.445	82	1186795	107.384	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	671746	181.965	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2307655	94.100	ng	0.00
79) Terphenyl-d14	12.992	244	3176733	84.191	ng	0.00

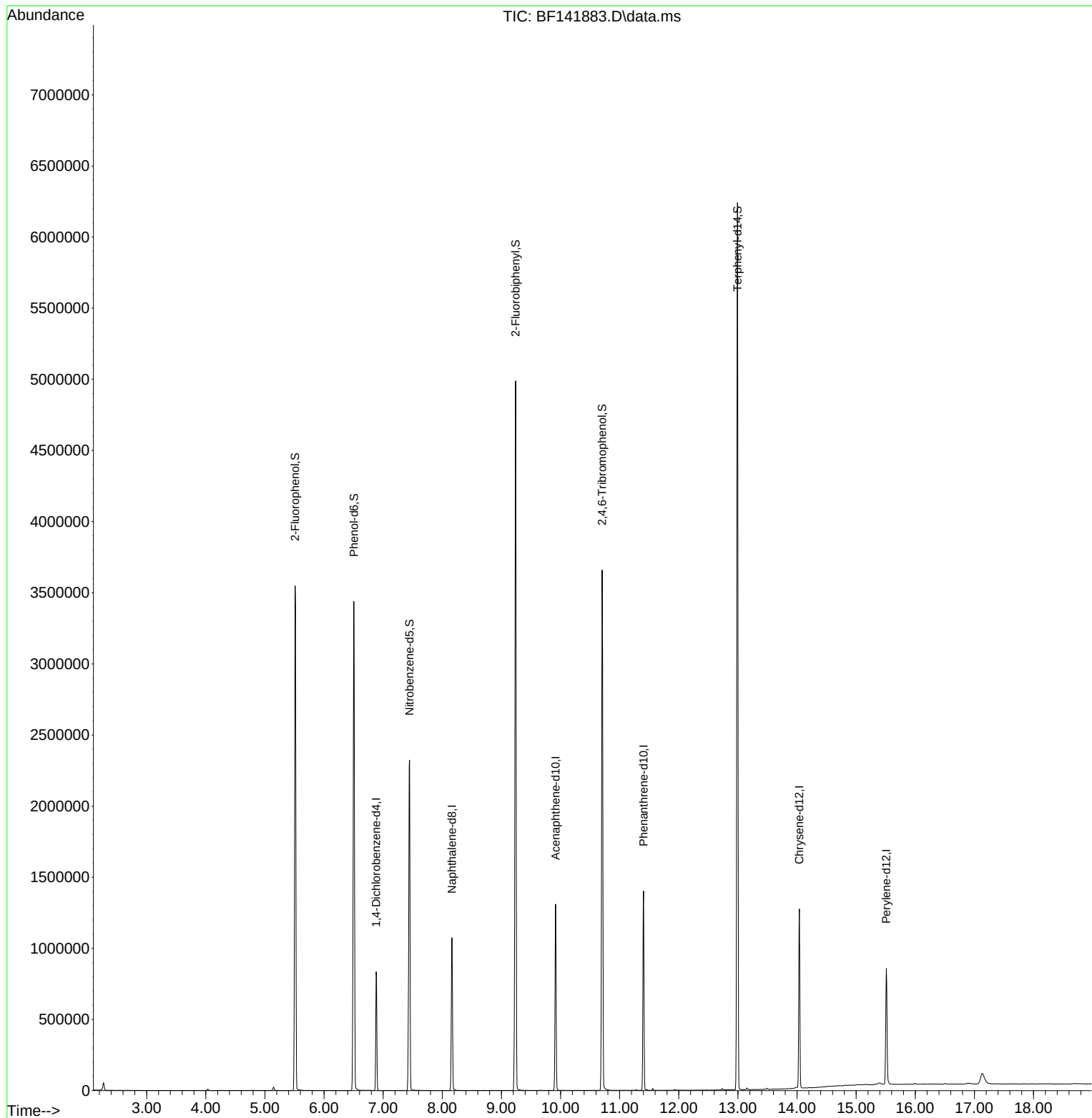
Target Compounds	Qvalue

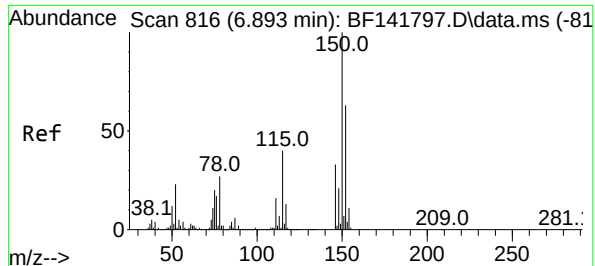
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141883.D
Acq On : 07 Mar 2025 09:26
Operator : RC/JU
Sample : PB167016BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Quant Time: Mar 07 10:00:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

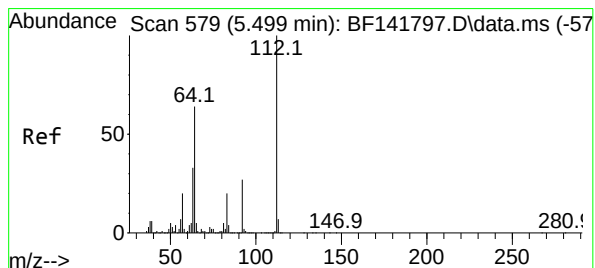
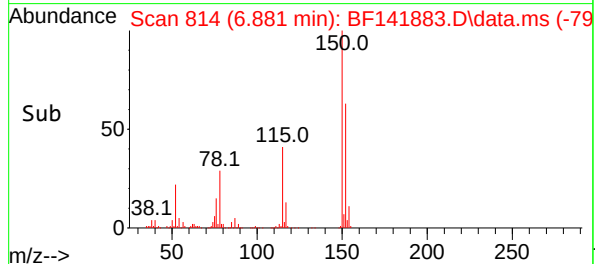
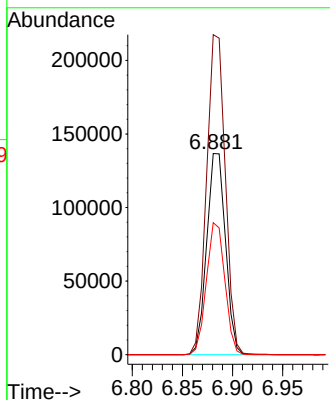
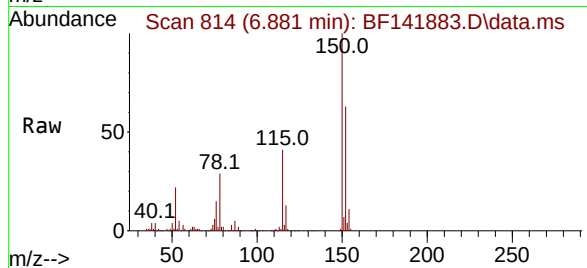




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

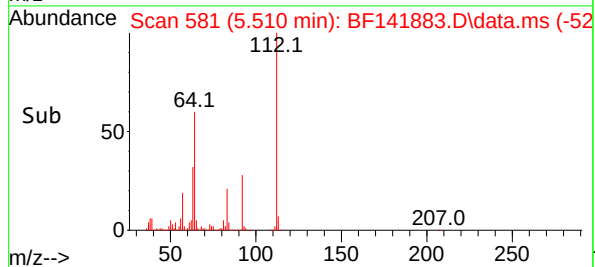
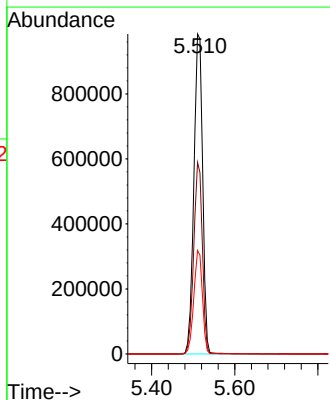
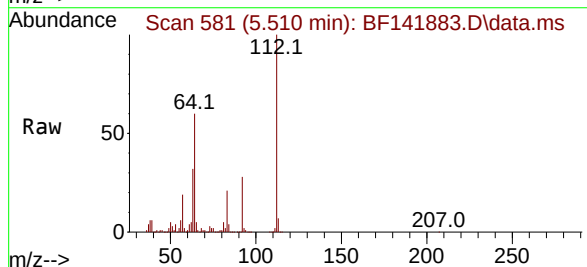
Instrument :
BNA_F
ClientSampleId :
PB167016BL

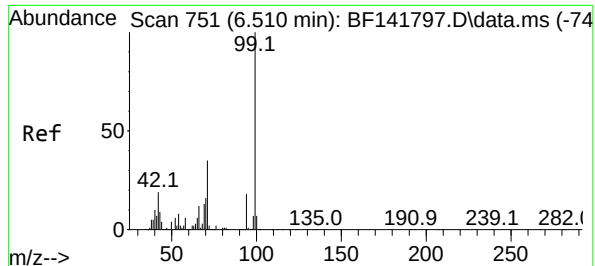
Tgt Ion:152 Resp: 178277
Ion Ratio Lower Upper
152 100
150 159.1 127.5 191.3
115 65.6 51.4 77.2



#5
2-Fluorophenol
Concen: 129.339 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:112 Resp: 1443849
Ion Ratio Lower Upper
112 100
64 59.9 51.3 76.9
63 32.4 26.2 39.4



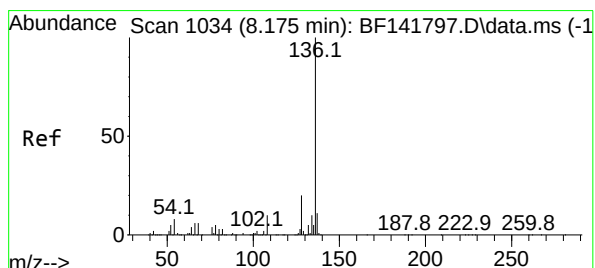
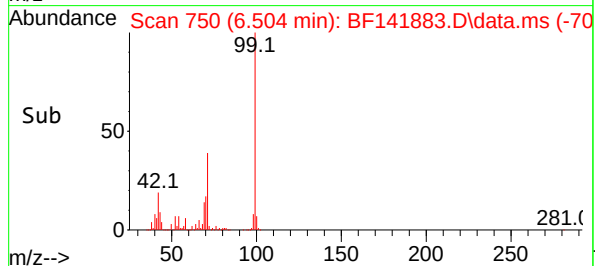
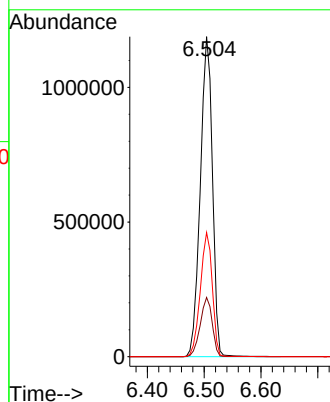
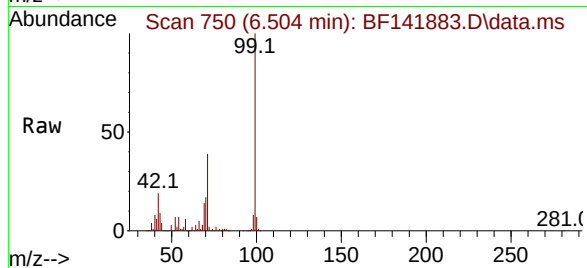


#7
Phenol-d6
Concen: 121.509 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

Tgt Ion: 99 Resp: 1765527

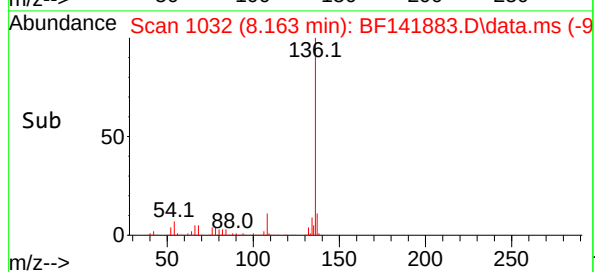
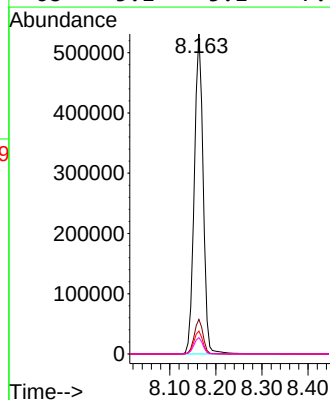
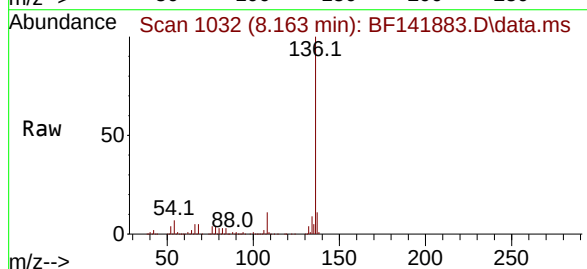
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	38.8	28.2	42.2

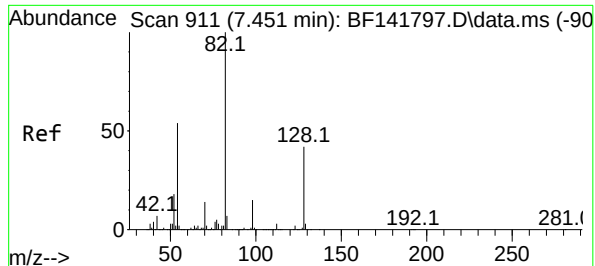


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion: 136 Resp: 706438

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.1	6.9	10.3
68	5.1	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 107.384 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Instrument :

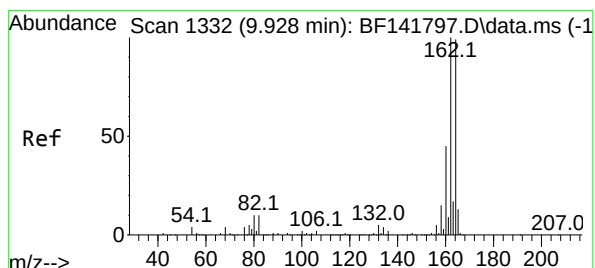
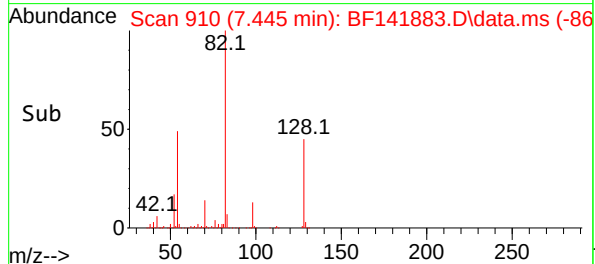
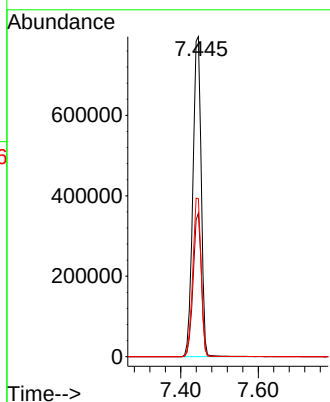
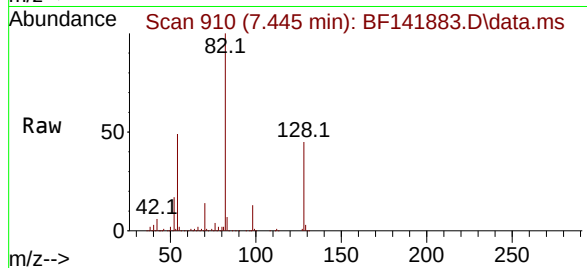
BNA_F

ClientSampleId :

PB167016BL

Tgt Ion: 82 Resp: 1186795

Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.5	50.3
54	49.4	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

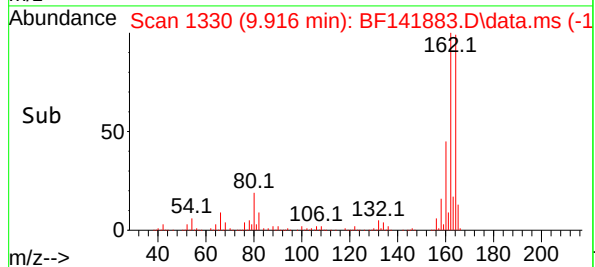
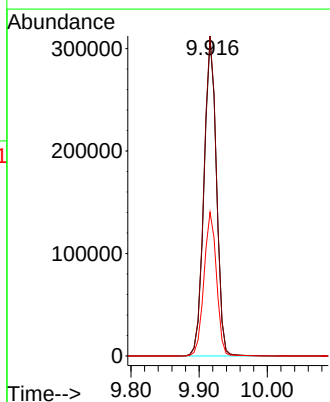
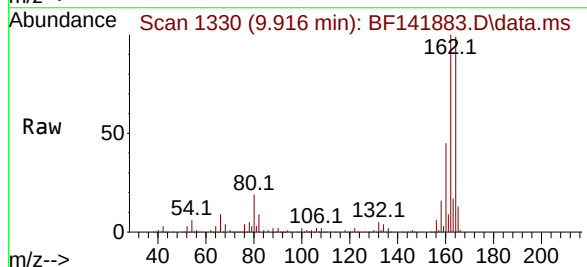
Delta R.T. -0.012 min

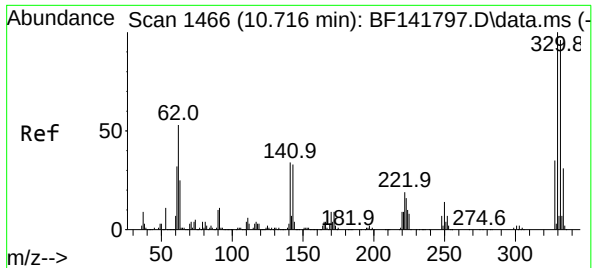
Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Tgt Ion: 164 Resp: 393220

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.4	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 181.965 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141883.D

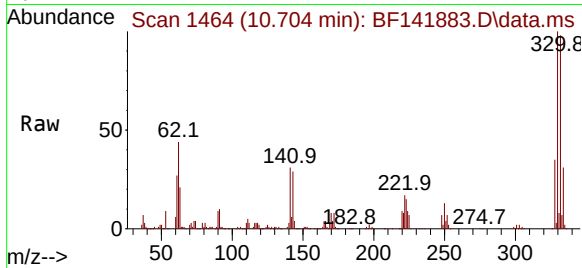
Acq: 07 Mar 2025 09:26

Instrument :

BNA_F

ClientSampleId :

PB167016BL



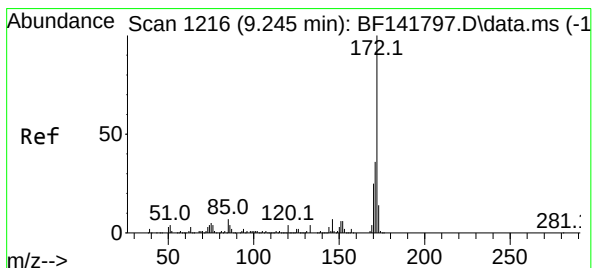
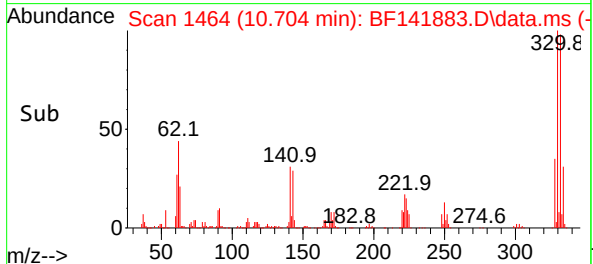
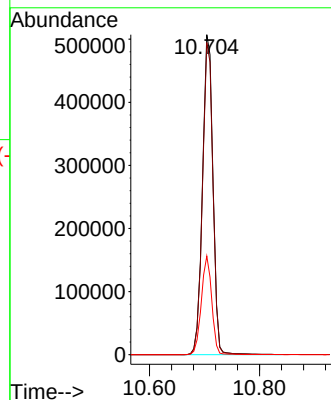
Tgt Ion:330 Resp: 671746

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

141 30.8 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 94.100 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

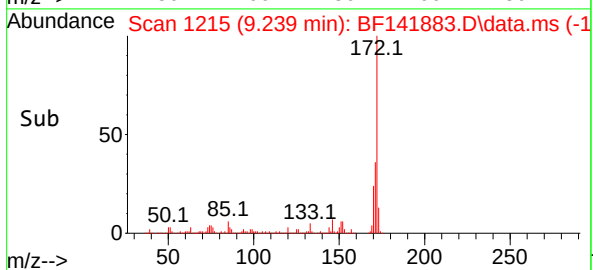
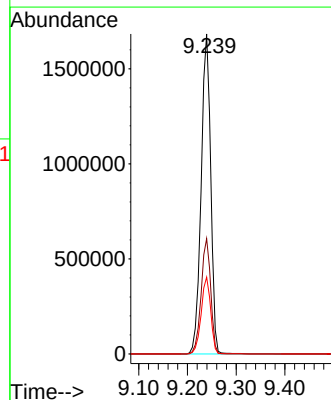
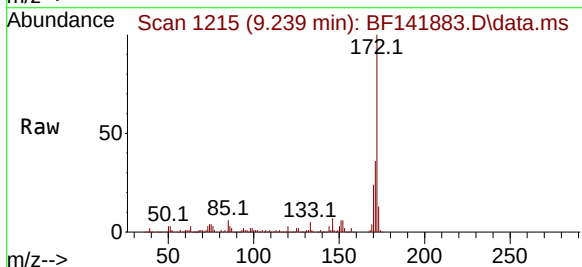
Tgt Ion:172 Resp: 2307655

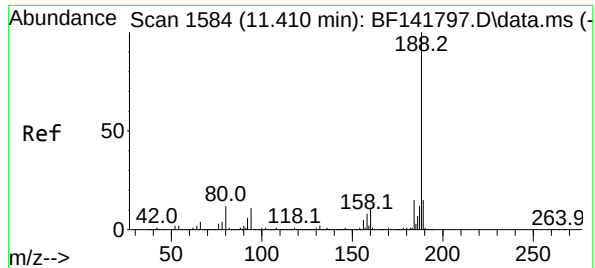
Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 24.0 19.7 29.5

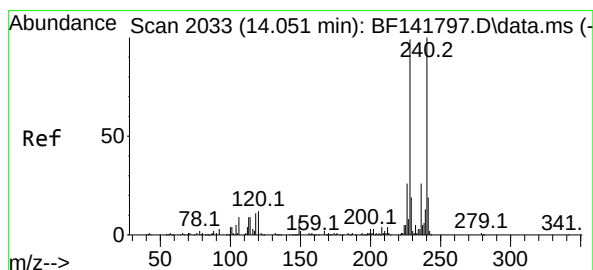
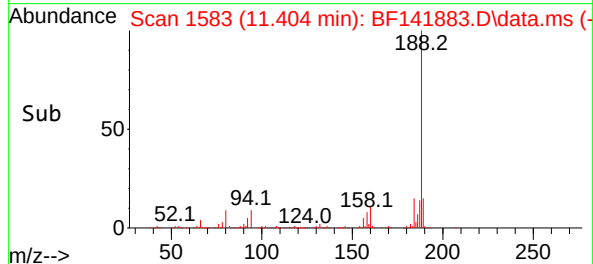
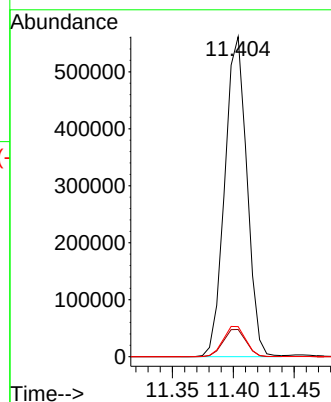
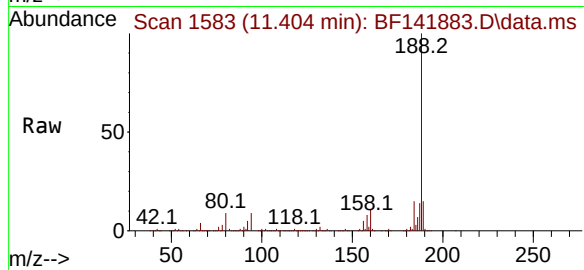




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

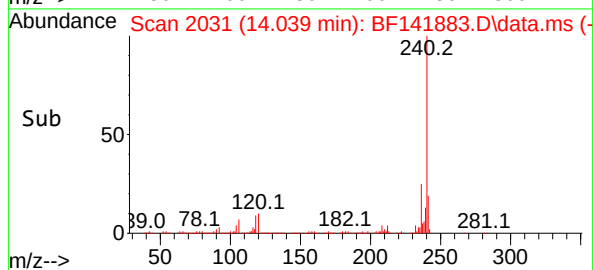
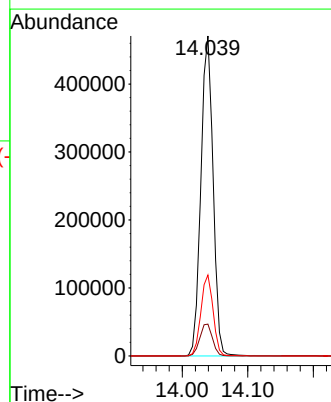
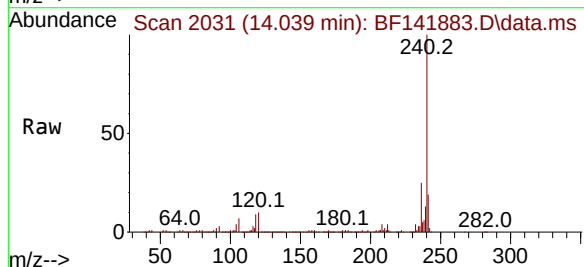
Instrument :
BNA_F
ClientSampleId :
PB167016BL

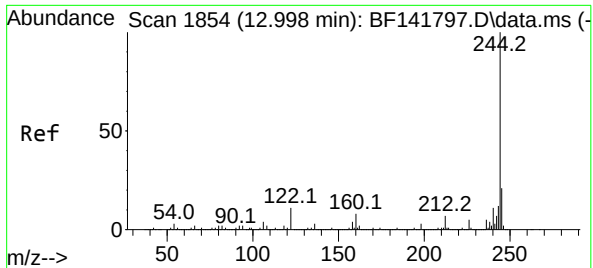
Tgt Ion:188 Resp: 712186
Ion Ratio Lower Upper
188 100
94 8.5 8.9 13.3#
80 9.4 9.7 14.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

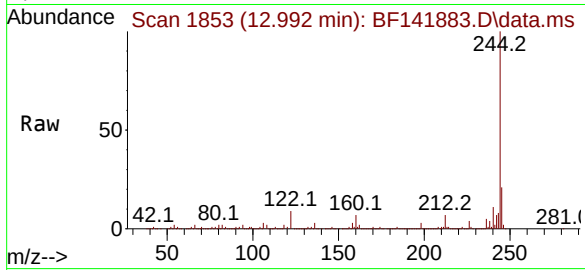
Tgt Ion:240 Resp: 610478
Ion Ratio Lower Upper
240 100
120 10.0 9.7 14.5
236 25.3 21.0 31.4



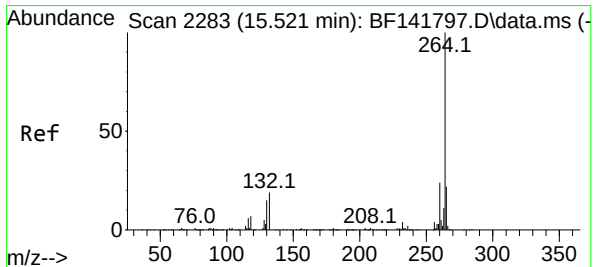
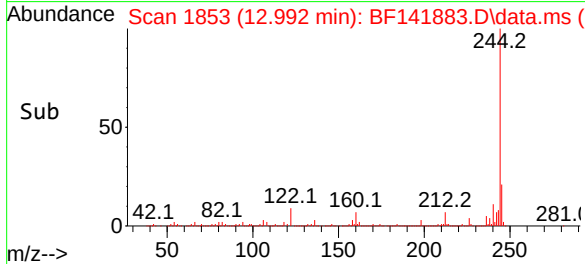
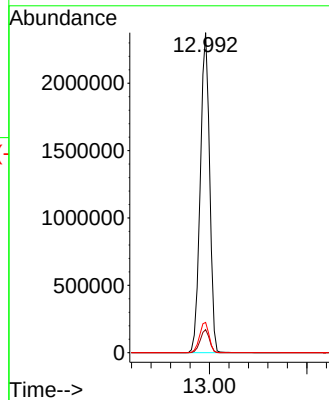


#79
Terphenyl-d14
Concen: 84.191 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Instrument :
BNA_F
ClientSampleId :
PB167016BL

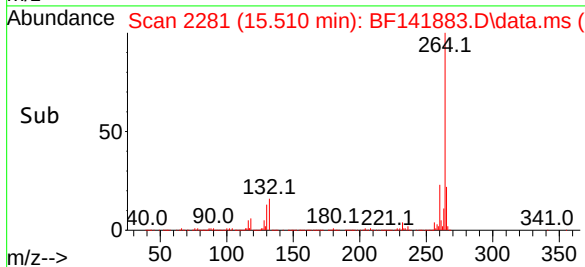
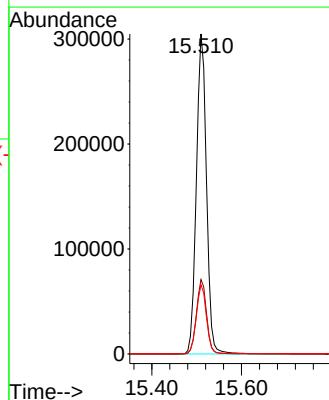
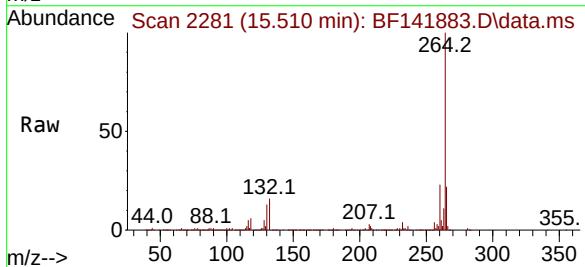


Tgt Ion:244 Resp: 3176733
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.4 9.0 13.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141883.D
Acq: 07 Mar 2025 09:26

Tgt Ion:264 Resp: 476523
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.6 17.4 26.0



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BS	SDG No.:	Q1478
Lab Sample ID:	PB167016BS	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
BF141884.D	1	03/05/25 13:00	03/07/25 09:55	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	32.7		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	39.2		0.84	5.00	ug/L
95-48-7	2-Methylphenol	38.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	38.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	42.0		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	41.6		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.8		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.9		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	43.6		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	91.7	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		15 (10) - 110 (139)	78%	SPK: 150
13127-88-3	Phenol-d6	111		15 (10) - 110 (134)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166	*	15 (44) - 110 (137)	111%	SPK: 150
1718-51-0	Terphenyl-d14	88.5		30 (48) - 130 (125)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	179000		6.886		
1146-65-2	Naphthalene-d8	717000		8.163		
15067-26-2	Acenaphthene-d10	420000		9.922		
1517-22-2	Phenanthrene-d10	730000		11.404		
1719-03-5	Chrysene-d12	515000		14.045		
1520-96-3	Perylene-d12	393000		15.515		

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB167016BS	SDG No.:	Q1478
Lab Sample ID:	PB167016BS	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
BF141884.D	1	03/05/25 13:00	03/07/25 09:55	PB167016

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\BF030725\
 Data File : BF141884.D
 Acq On : 07 Mar 2025 09:55
 Operator : RC/JU
 Sample : PB167016BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167016BS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 10:12:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	179491	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	716894	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	419936	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	730268	20.000	ng	0.00
76) Chrysene-d12	14.045	240	514866	20.000	ng	0.00
86) Perylene-d12	15.515	264	393279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1310141	116.567	ng	0.02
7) Phenol-d6	6.510	99	1627919	111.280	ng	0.00
23) Nitrobenzene-d5	7.445	82	1082308	96.501	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	653885	165.858	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2241666	85.594	ng	0.00
79) Terphenyl-d14	12.992	244	2815666	88.480	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.787	88	173526	34.026	ng	95
3) Pyridine	3.540	79	415150	32.718	ng	95
4) n-Nitrosodimethylamine	3.481	42	213211	34.922	ng	# 96
6) Aniline	6.545	93	487563	32.058	ng	100
8) 2-Chlorophenol	6.669	128	491496	40.425	ng	93
9) Benzaldehyde	6.434	77	169153	19.878	ng	98
10) Phenol	6.522	94	581042	37.169	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	427761	35.898	ng	94
12) 1,3-Dichlorobenzene	6.828	146	506373	38.890	ng	100
13) 1,4-Dichlorobenzene	6.904	146	513857	39.168	ng	99
14) 1,2-Dichlorobenzene	7.057	146	496587	40.535	ng	99
15) Benzyl Alcohol	7.022	79	429158	36.707	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	520569	28.766	ng	93
17) 2-Methylphenol	7.128	107	386629	38.525	ng	98
18) Hexachloroethane	7.398	117	190868	38.870	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	330021	34.318	ng	98
20) 3+4-Methylphenols	7.281	107	489645	39.182	ng	91
22) Acetophenone	7.292	105	728876	41.745	ng	98
24) Nitrobenzene	7.463	77	504262	41.986	ng	99
25) Isophorone	7.704	82	897317	37.241	ng	98
26) 2-Nitrophenol	7.781	139	248030	46.398	ng	98
27) 2,4-Dimethylphenol	7.810	122	423423	47.806	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	536568	34.910	ng	100
29) 2,4-Dichlorophenol	8.016	162	409936	40.120	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	437747	39.097	ng	99
31) Naphthalene	8.186	128	1400891	38.021	ng	99
32) Benzoic acid	7.928	122	328141	44.967	ng	98
33) 4-Chloroaniline	8.233	127	245936	18.204	ng	99
34) Hexachlorobutadiene	8.304	225	288945	41.529	ng	97
35) Caprolactam	8.598	113	144216m	45.880	ng	
36) 4-Chloro-3-methylphenol	8.710	107	458784	40.419	ng	100
37) 2-Methylnaphthalene	8.875	142	901415	37.299	ng	99
38) 1-Methylnaphthalene	8.975	142	883724	38.109	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	527217	43.470	ng	99
41) Hexachlorocyclopentadiene	9.033	237	679386	134.228	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	325889	41.597	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141884.D
 Acq On : 07 Mar 2025 09:55
 Operator : RC/JU
 Sample : PB167016BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167016BS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 10:12:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	339634	43.780	ng	98
46) 1,1'-Biphenyl	9.339	154	1349271	42.212	ng	99
47) 2-Chloronaphthalene	9.369	162	933556	39.571	ng	99
48) 2-Nitroaniline	9.457	65	294678	45.846	ng	96
49) Acenaphthylene	9.780	152	1473589	41.660	ng	100
50) Dimethylphthalate	9.639	163	1131944	40.251	ng	100
51) 2,6-Dinitrotoluene	9.704	165	250645	46.673	ng	90
52) Acenaphthene	9.957	154	1088895	45.624	ng	100
53) 3-Nitroaniline	9.869	138	172982	31.287	ng	# 94
54) 2,4-Dinitrophenol	9.975	184	300997	108.480	ng	# 1
55) Dibenzofuran	10.127	168	1306751	37.617	ng	99
56) 4-Nitrophenol	10.027	139	458442	110.375	ng	94
57) 2,4-Dinitrotoluene	10.104	165	343289	51.931	ng	95
58) Fluorene	10.469	166	1038850	39.924	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	296793	43.989	ng	99
60) Diethylphthalate	10.345	149	1112154	39.449	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	518825	39.795	ng	99
62) 4-Nitroaniline	10.486	138	263619	54.891	ng	96
63) Azobenzene	10.622	77	1049439	35.354	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	189816	53.979	ng	91
66) n-Nitrosodiphenylamine	10.580	169	923056	38.494	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	343779	40.303	ng	98
68) Hexachlorobenzene	11.016	284	392769	43.606	ng	97
69) Atrazine	11.104	200	385225	58.418	ng	99
70) Pentachlorophenol	11.210	266	524021	91.729	ng	99
71) Phenanthrene	11.433	178	1582418	40.510	ng	99
72) Anthracene	11.486	178	1625497	41.521	ng	100
73) Carbazole	11.633	167	1452863	42.025	ng	100
74) Di-n-butylphthalate	11.963	149	1663012	37.949	ng	100
75) Fluoranthene	12.616	202	1711522	42.761	ng	97
77) Benzidine	12.739	184	615533	94.985	ng	100
78) Pyrene	12.845	202	1739277	39.011	ng	99
80) Butylbenzylphthalate	13.463	149	672937	41.543	ng	96
81) Benzo(a)anthracene	14.033	228	1385577	40.743	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	284105	29.118	ng	99
83) Chrysene	14.068	228	1253518	39.986	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	893053	44.277	ng	99
85) Di-n-octyl phthalate	14.633	149	1252163	41.468	ng	95
87) Indeno(1,2,3-cd)pyrene	17.003	276	1080175	43.133	ng	95
88) Benzo(b)fluoranthene	15.080	252	1109885	41.430	ng	99
89) Benzo(k)fluoranthene	15.109	252	942003	41.371	ng	99
90) Benzo(a)pyrene	15.451	252	904383	42.095	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	872509	42.683	ng	# 96
92) Benzo(g,h,i)perylene	17.456	276	888869	42.445	ng	95

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

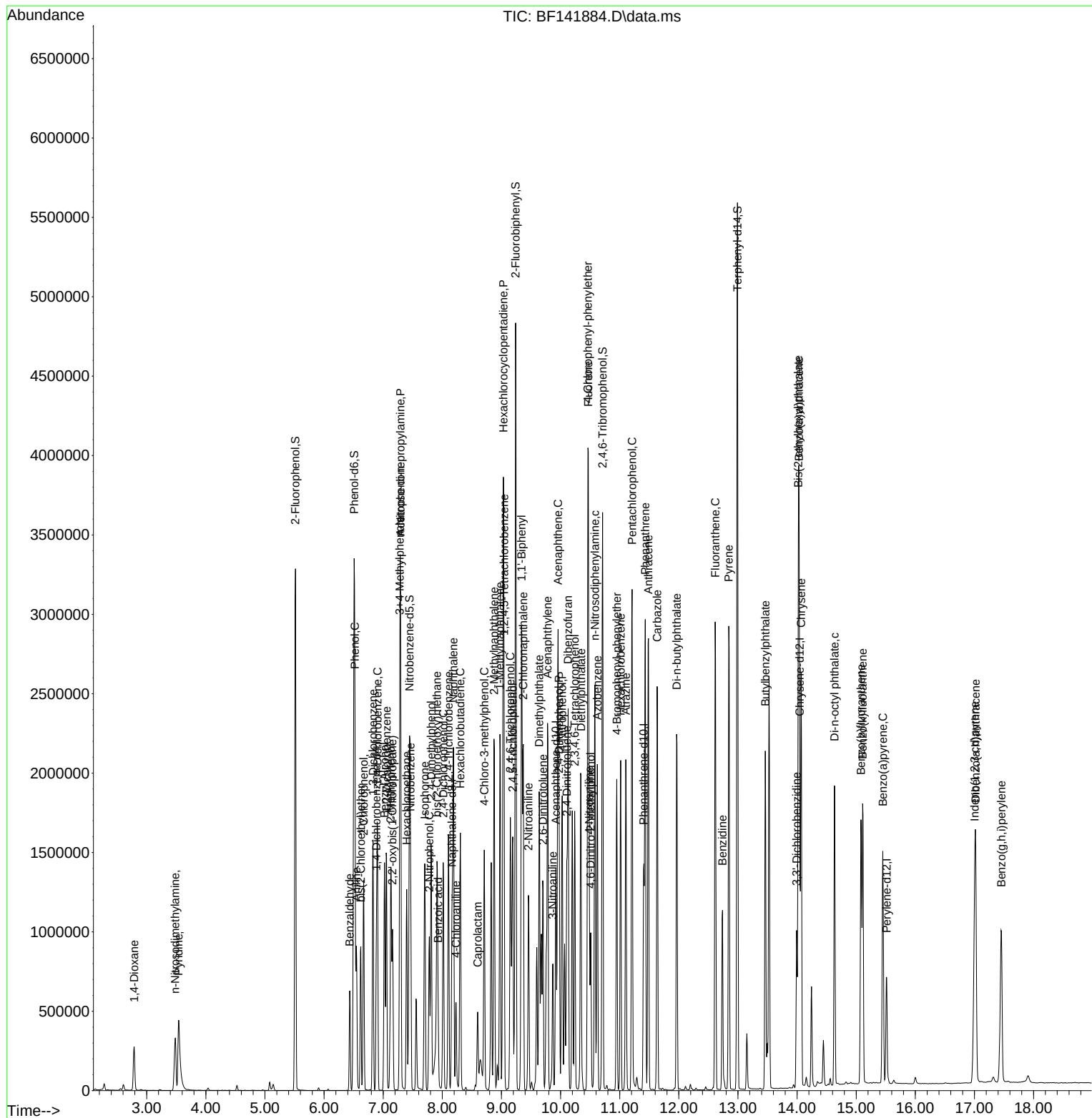
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Data File : BF141884.D  
Acq On    : 07 Mar 2025  09:55  
Operator  : RC/JU  
Sample    : PB167016BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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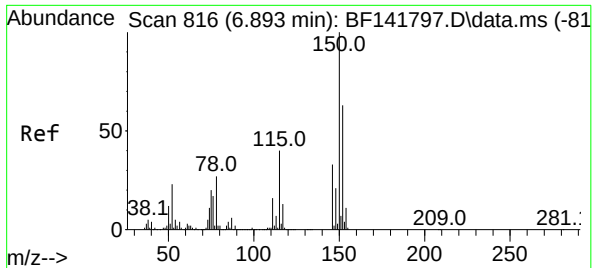
Instrument :
BNA_F
ClientSampleId :
PB167016BS

Manual Integrations

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

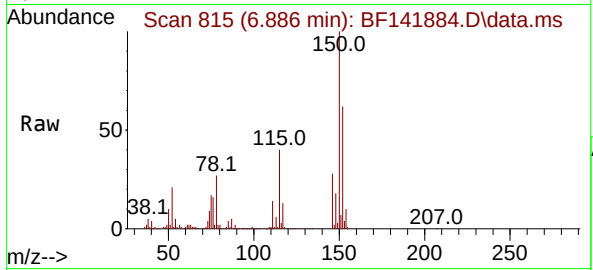
Quant Time: Mar 07 10:12:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.007 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

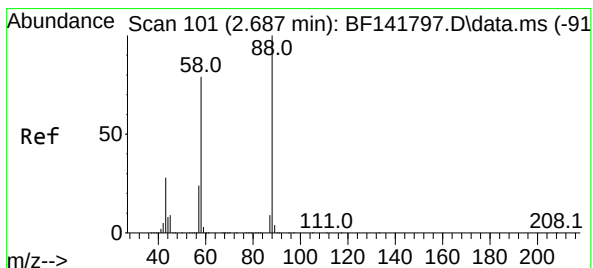
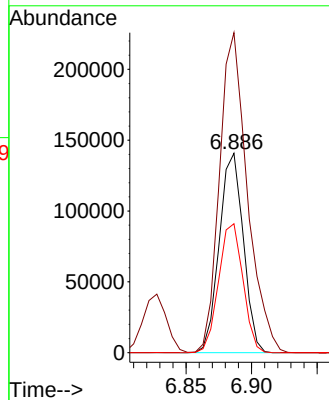
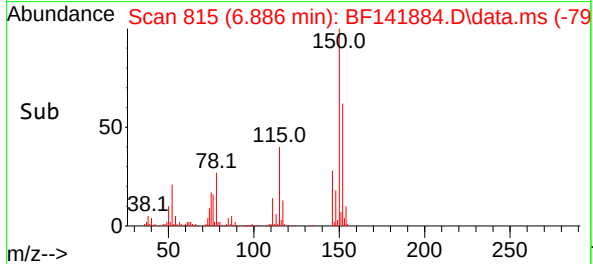
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:152 Resp: 17949
Ion Ratio Lower Upper
152 100
150 160.5 127.5 191.3
115 64.7 51.4 77.2

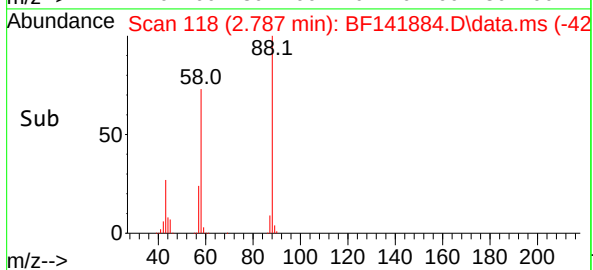
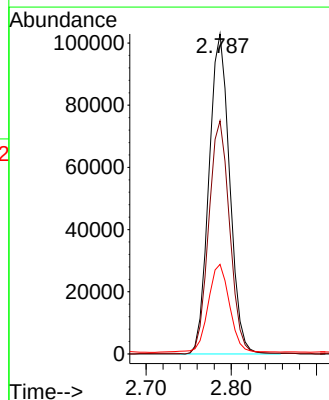
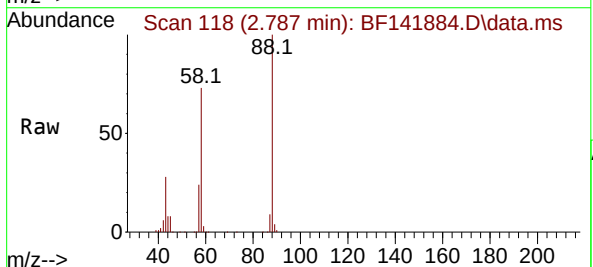
Manual Integrations
APPROVED

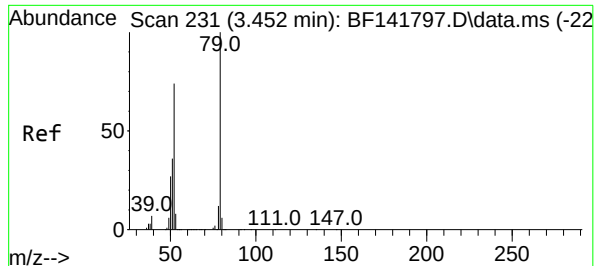
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#2
1,4-Dioxane
Concen: 34.026 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.100 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

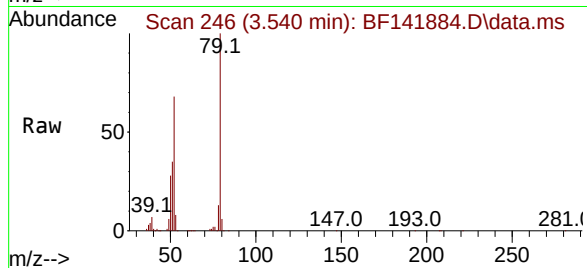
Tgt Ion: 88 Resp: 173526
Ion Ratio Lower Upper
88 100
58 73.7 63.9 95.9
43 28.6 23.0 34.6





#3
Pyridine
Concen: 32.718 ng
RT: 3.540 min Scan# 246
Delta R.T. 0.088 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

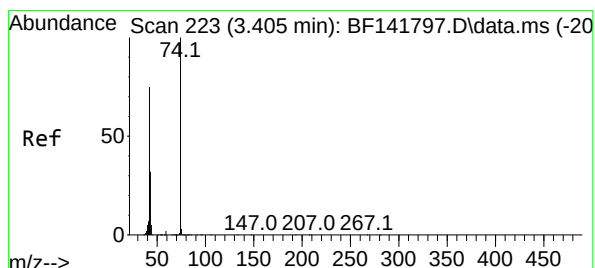
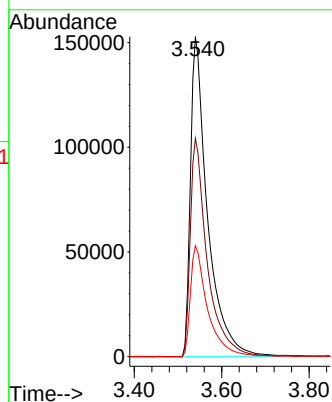
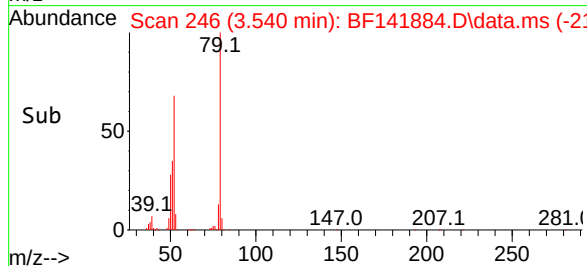
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion: 79 Resp: 415150
Ion Ratio Lower Upper
79 100
52 68.2 59.0 88.4
51 34.6 29.0 43.4

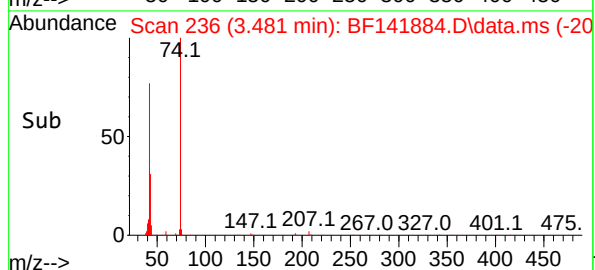
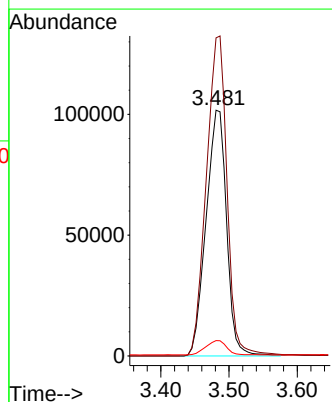
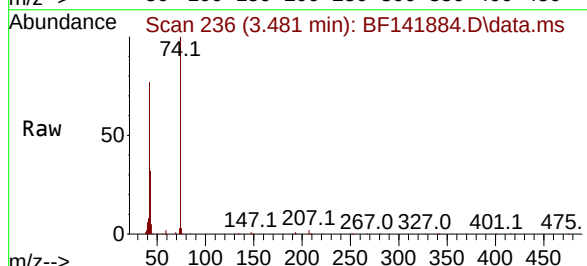
Manual Integrations
APPROVED

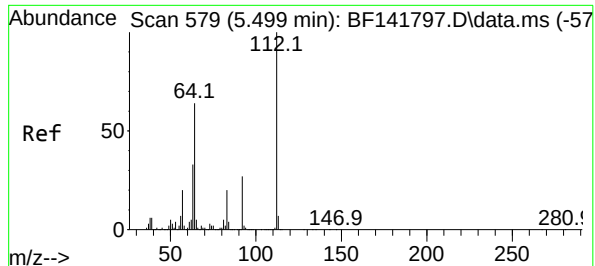
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#4
n-Nitrosodimethylamine
Concen: 34.922 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.076 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

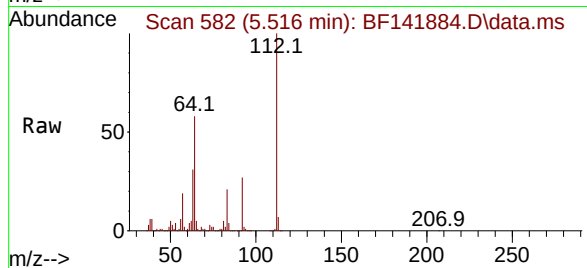
Tgt Ion: 42 Resp: 213211
Ion Ratio Lower Upper
42 100
74 129.4 107.1 160.7
44 6.3 6.6 9.8





#5
2-Fluorophenol
Concen: 116.567 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

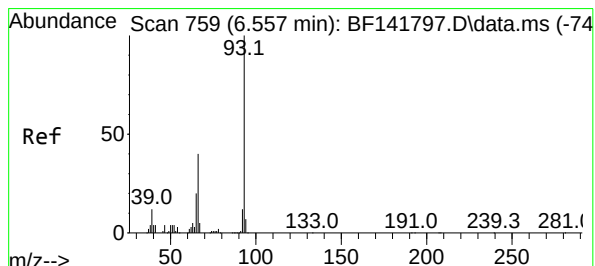
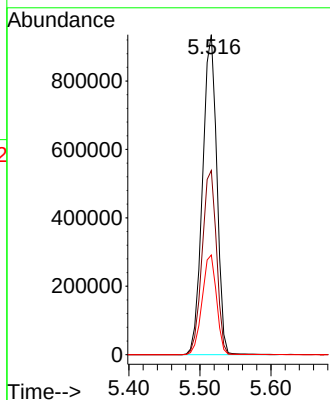
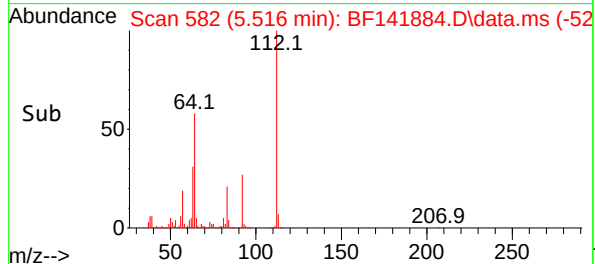
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion: 112 Resp: 131014
Ion Ratio Lower Upper
112 100
64 57.5 51.3 76.9
63 31.1 26.2 39.4

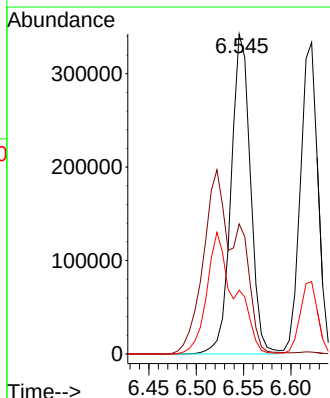
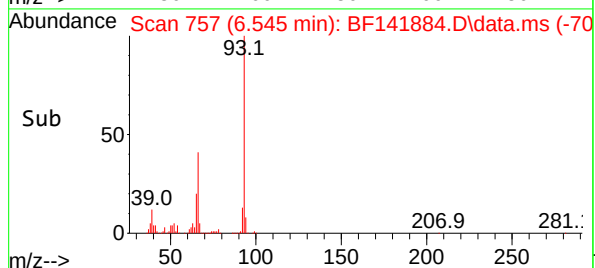
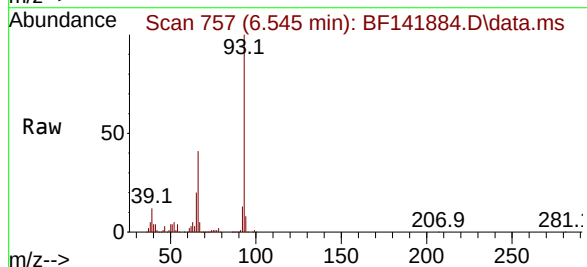
Manual Integrations
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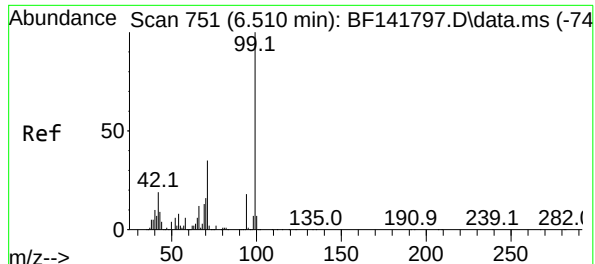
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#6
Aniline
Concen: 32.058 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

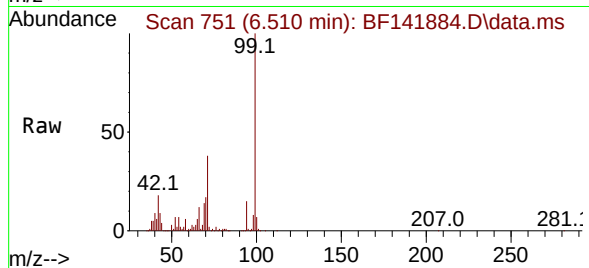
Tgt Ion: 93 Resp: 487563
Ion Ratio Lower Upper
93 100
66 40.7 32.3 48.5
65 19.9 15.9 23.9





#7
Phenol-d6
Concen: 111.280 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

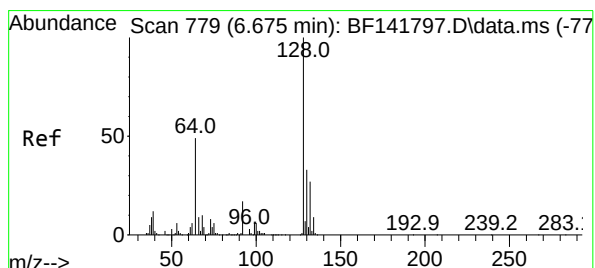
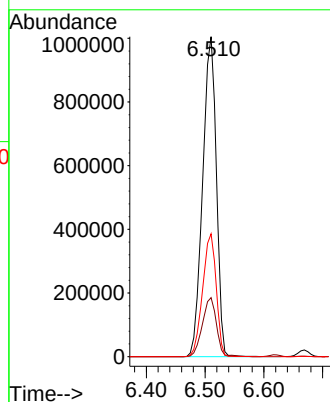
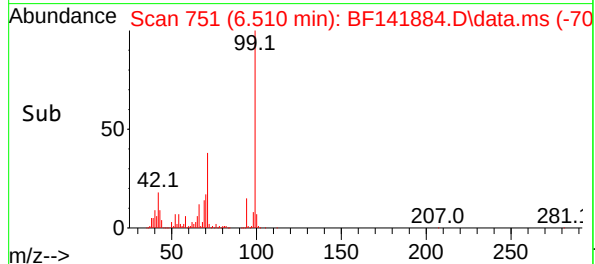
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion: 99 Resp: 1627919
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 38.4 28.2 42.2

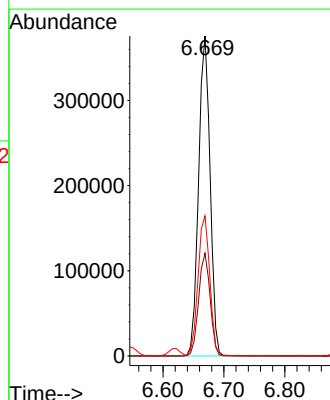
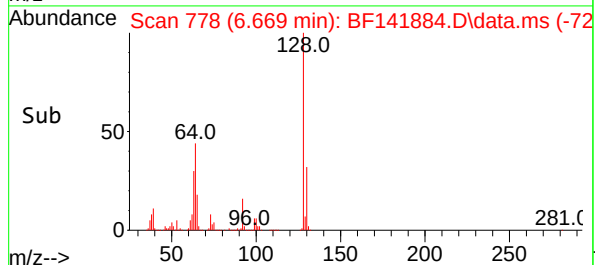
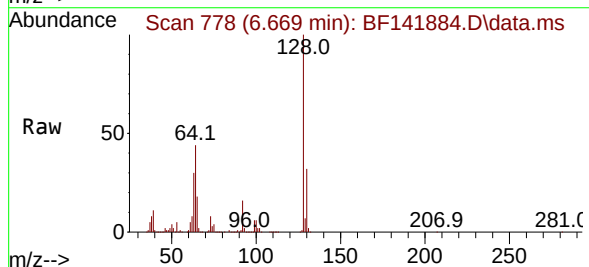
Manual Integrations
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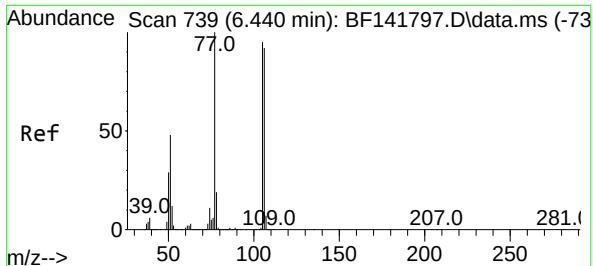
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#8
2-Chlorophenol
Concen: 40.425 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

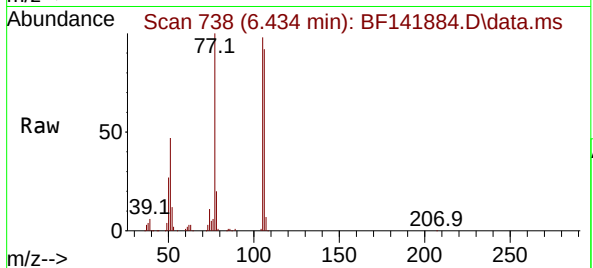
Tgt Ion:128 Resp: 491496
Ion Ratio Lower Upper
128 100
130 32.1 12.6 52.6
64 43.8 31.1 71.1





#9
Benzaldehyde
Concen: 19.878 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

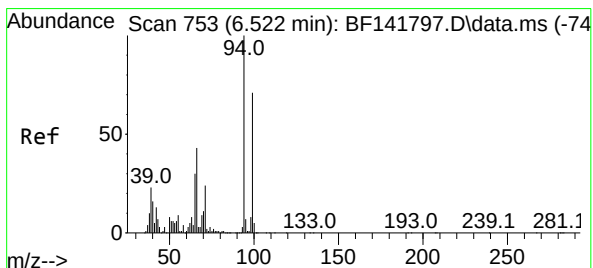
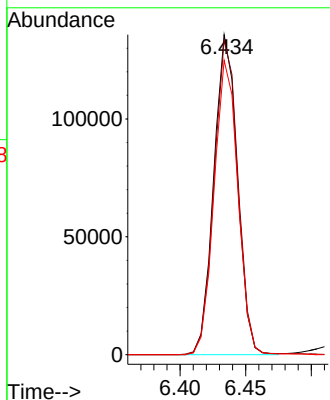
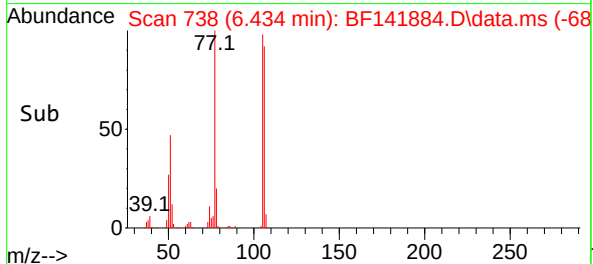
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion: 77 Resp: 16915
Ion Ratio Lower Upper
77 100
105 98.3 75.3 115.3
106 92.0 72.3 112.3

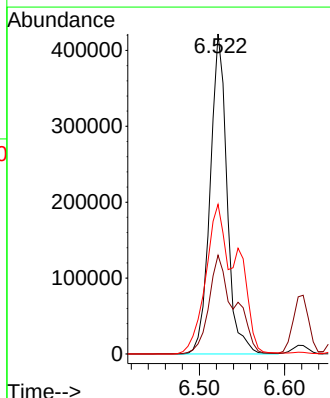
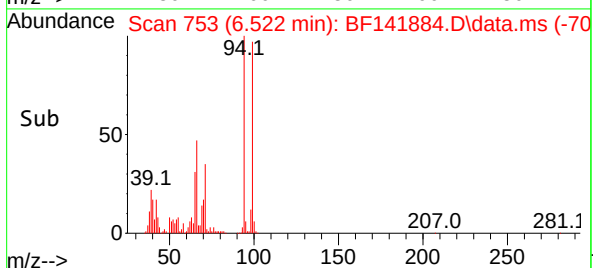
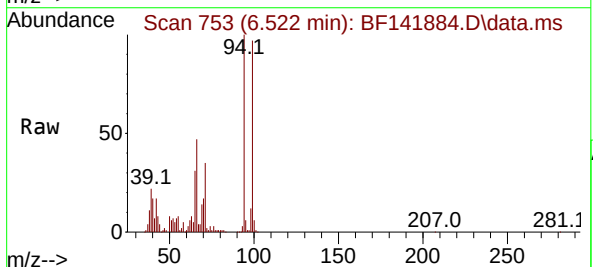
Manual Integrations
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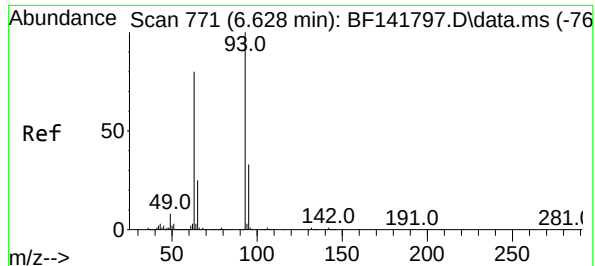
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#10
Phenol
Concen: 37.169 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

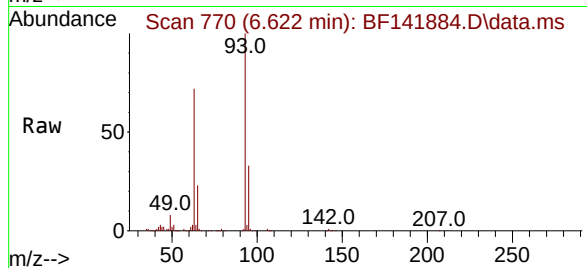
Tgt Ion: 94 Resp: 581042
Ion Ratio Lower Upper
94 100
65 30.9 10.2 50.2
66 46.7 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 35.898 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

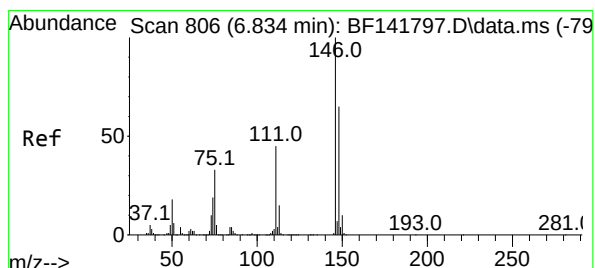
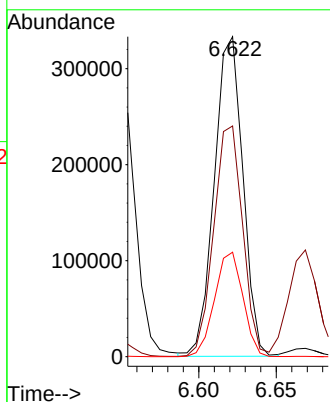
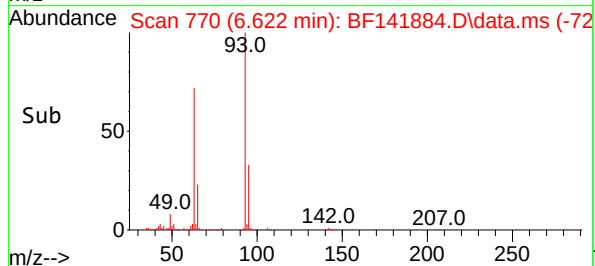
Instrument :
BNA_F
ClientSampleId :
PB167016BS



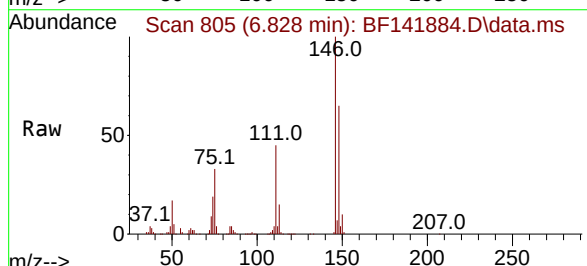
Tgt Ion: 93 Resp: 42776
Ion Ratio Lower Upper
93 100
63 72.1 59.3 99.3
95 32.6 13.2 53.2

Manual Integrations
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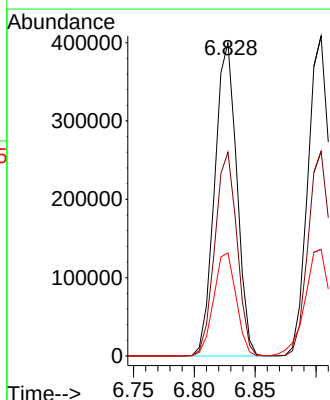
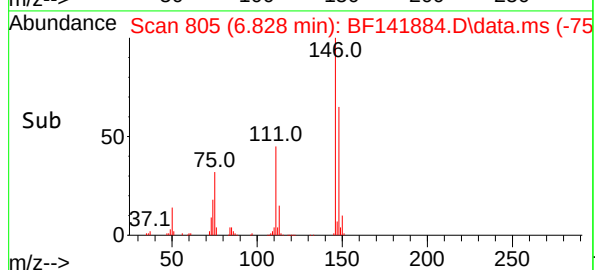
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

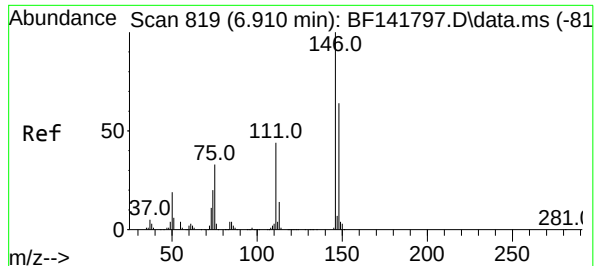


#12
1,3-Dichlorobenzene
Concen: 38.890 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



Tgt Ion:146 Resp: 506373
Ion Ratio Lower Upper
146 100
148 65.1 51.8 77.6
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 39.168 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:146 Resp: 51385

Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

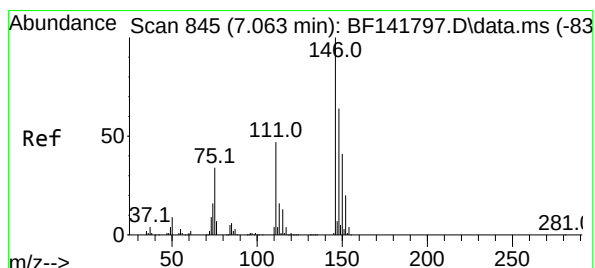
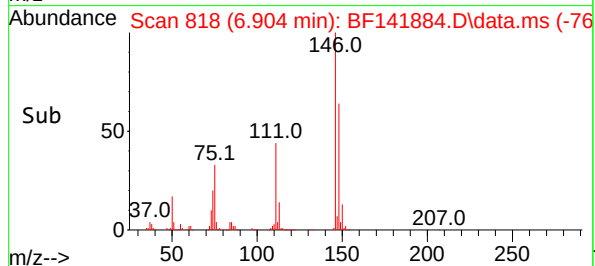
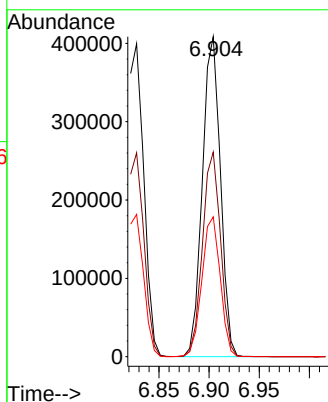
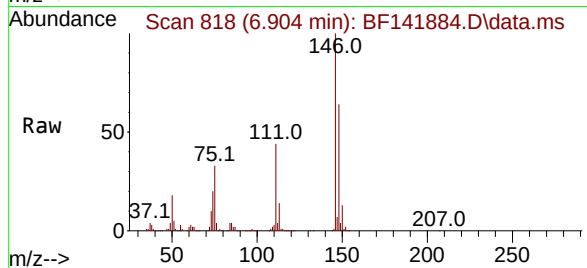
111 43.7 35.5 53.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#14

1,2-Dichlorobenzene

Concen: 40.535 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

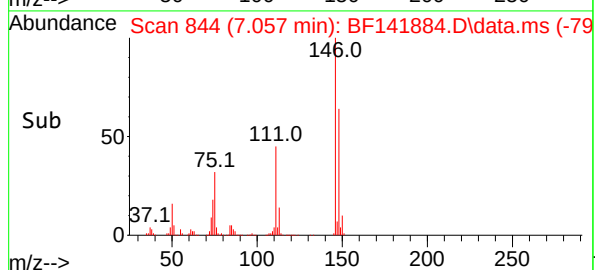
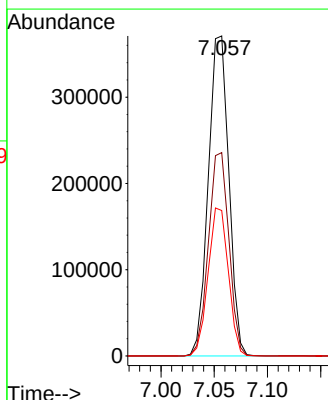
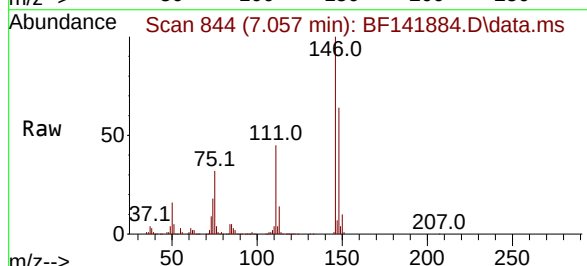
Tgt Ion:146 Resp: 496587

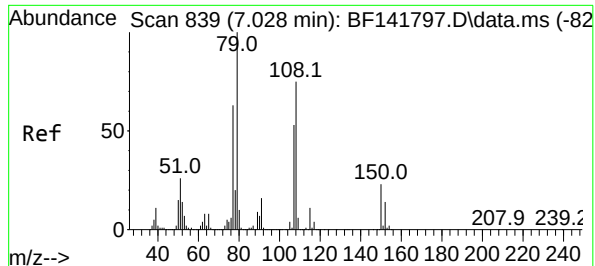
Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

111 45.5 37.8 56.6





#15

Benzyl Alcohol

Concen: 36.707 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion: 79 Resp: 429158

Ion Ratio Lower Upper

79 100

108 74.0 60.2 90.2

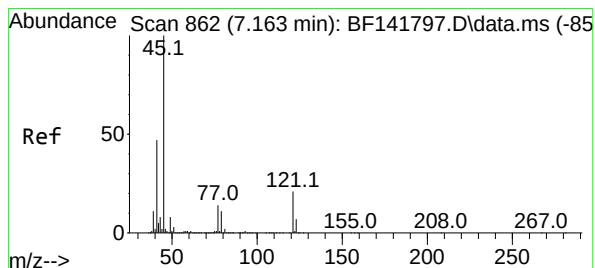
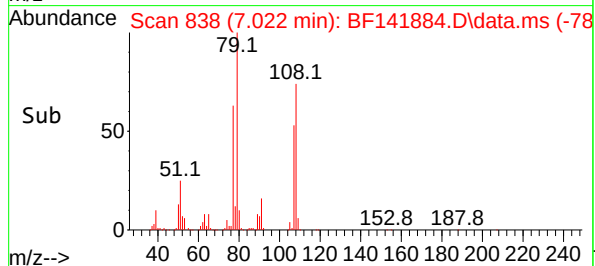
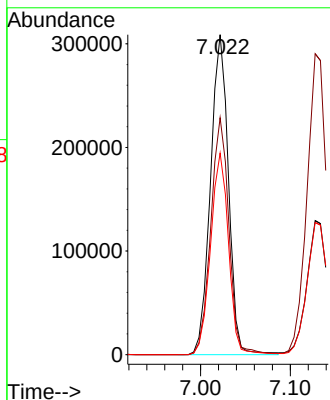
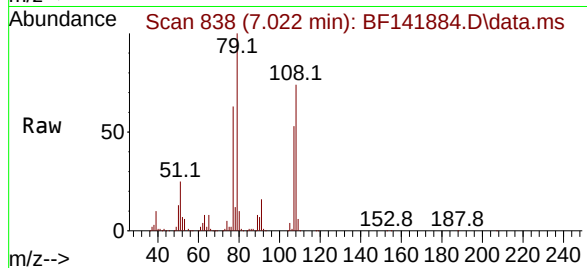
77 63.0 50.2 75.2

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 28.766 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

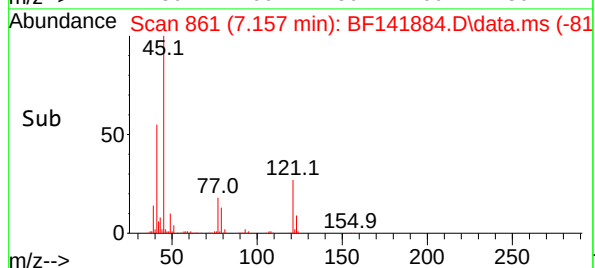
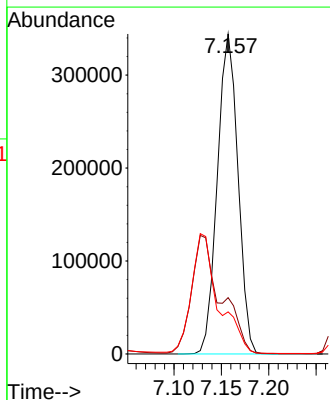
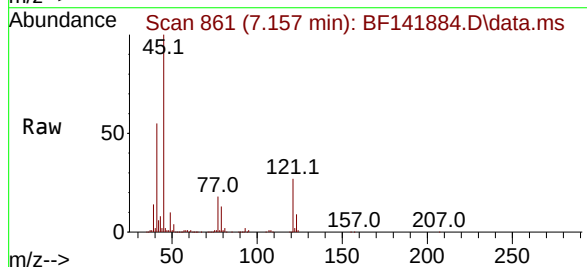
Tgt Ion: 45 Resp: 520569

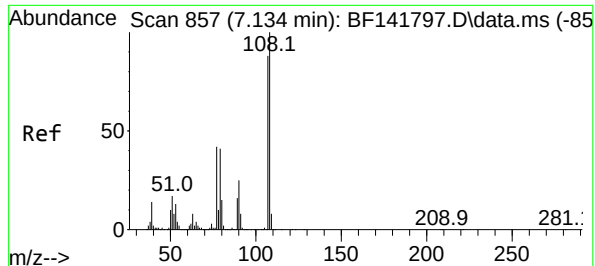
Ion Ratio Lower Upper

45 100

77 17.6 0.0 34.4

79 13.2 0.0 30.9





#17

2-Methylphenol

Concen: 38.525 ng

RT: 7.128 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF141884.D

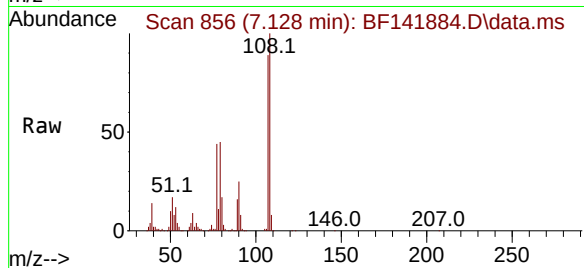
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



Tgt Ion:107 Resp: 386629

Ion Ratio Lower Upper

107 100

108 112.1 90.6 135.8

77 49.2 37.7 56.5

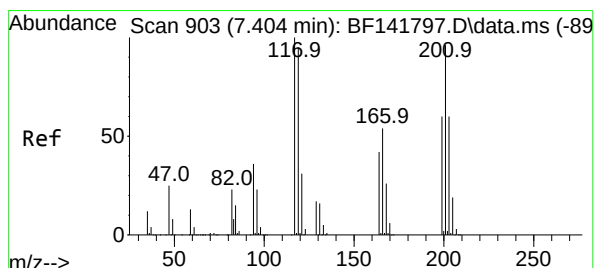
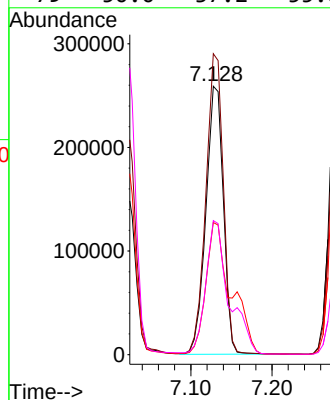
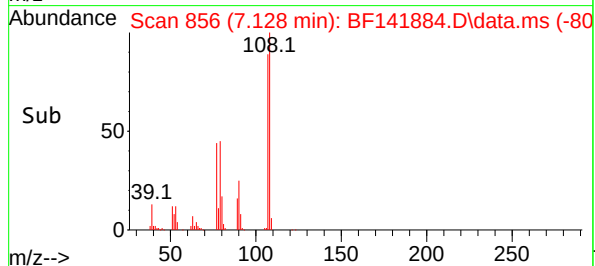
79 50.0 37.2 55.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#18

Hexachloroethane

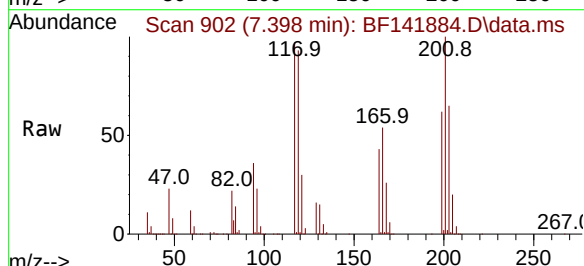
Concen: 38.870 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55



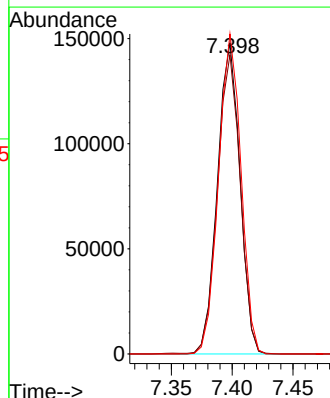
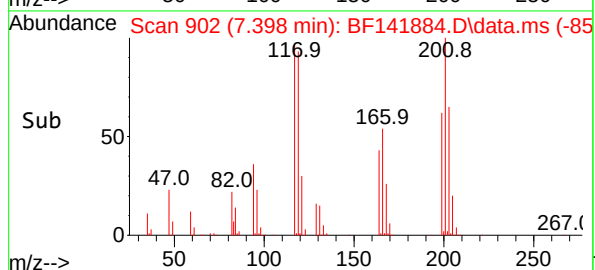
Tgt Ion:117 Resp: 190868

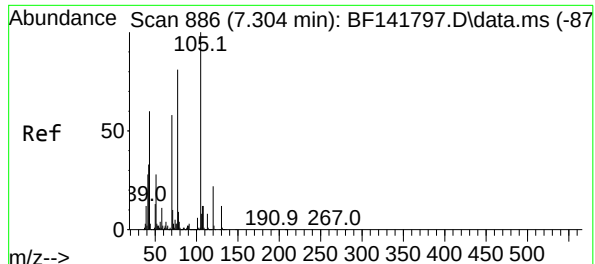
Ion Ratio Lower Upper

117 100

119 96.2 75.8 113.8

201 102.9 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 34.318 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion: 70 Resp: 33002

Ion Ratio Lower Upper

70 100

42 55.2 45.4 68.0

101 10.0 7.8 11.8

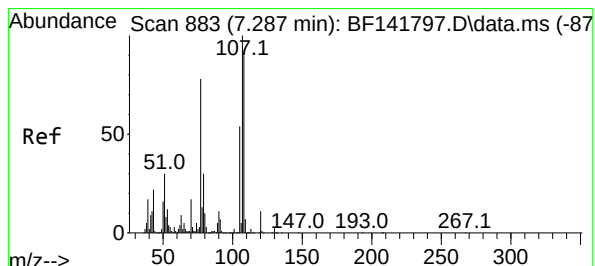
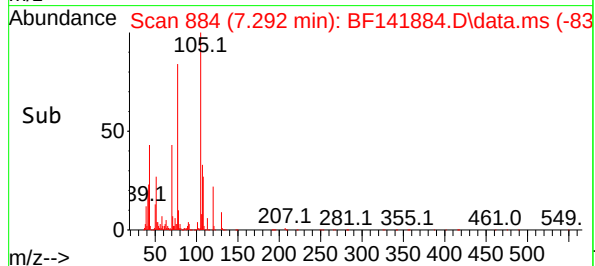
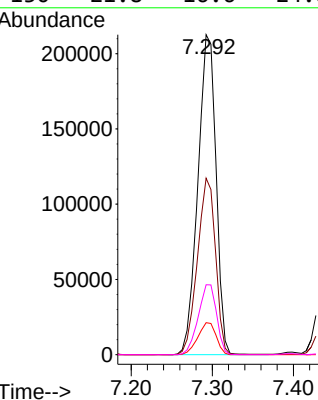
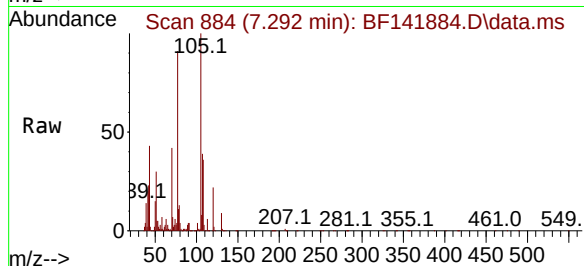
130 21.8 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#20

3+4-Methylphenols

Concen: 39.182 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Tgt Ion:107 Resp: 489645

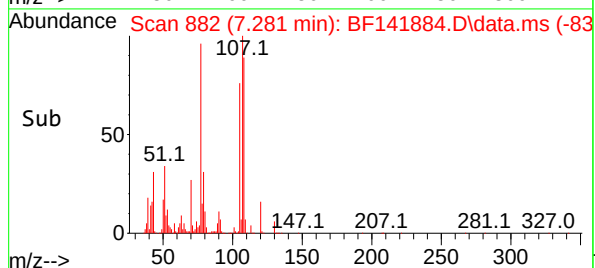
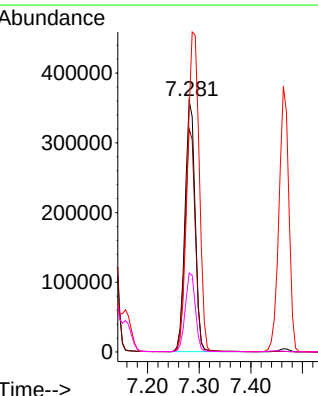
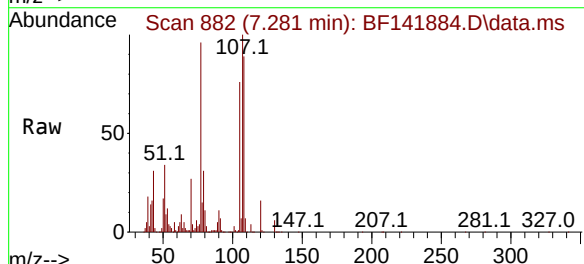
Ion Ratio Lower Upper

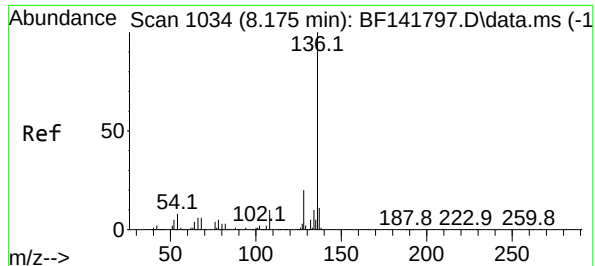
107 100

108 88.7 69.7 109.7

77 95.8 58.3 98.3

79 31.4 10.3 50.3





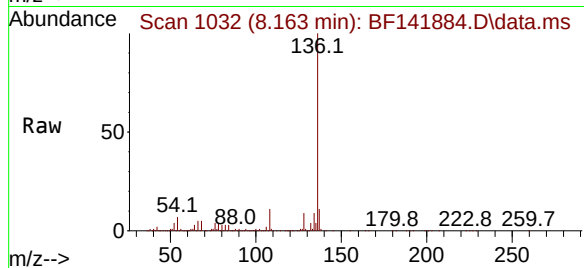
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

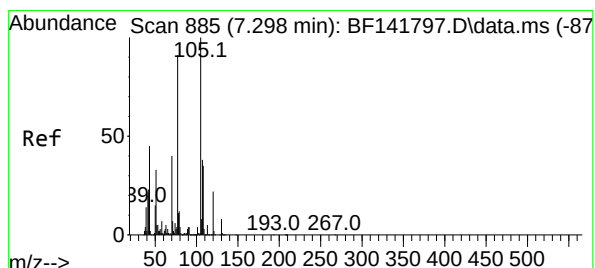
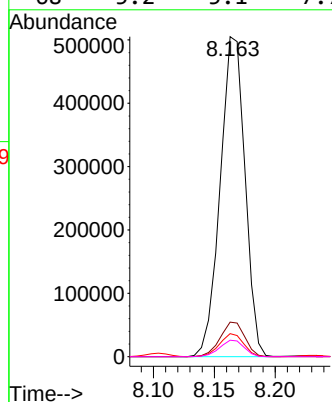
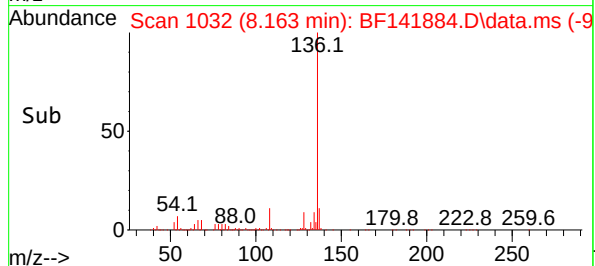


Tgt Ion:136 Resp: 716894
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.2 6.9 10.3
68 5.2 5.1 7.7

Manual Integrations

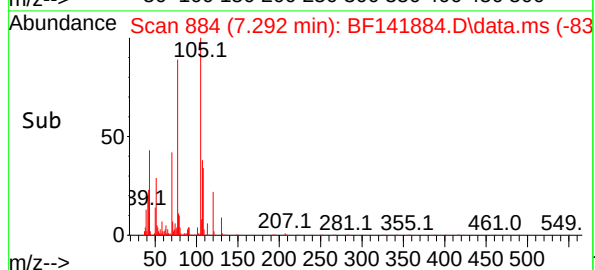
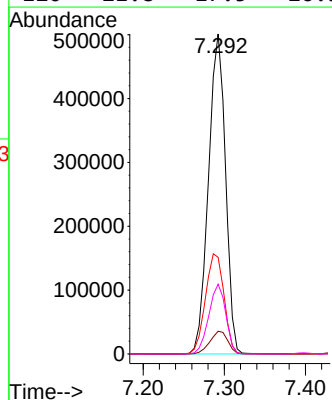
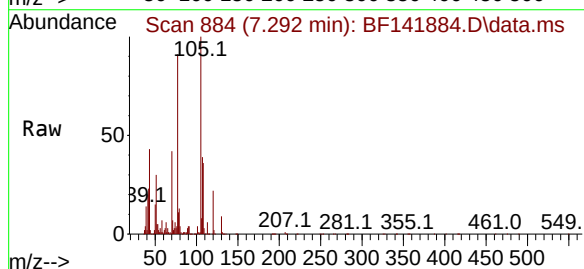
APPROVED

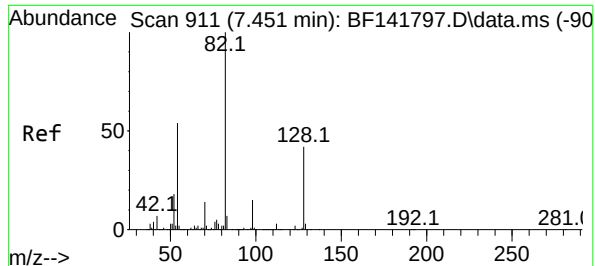
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#22
Acetophenone
Concen: 41.745 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:105 Resp: 728876
Ion Ratio Lower Upper
105 100
71 7.1 5.4 8.0
51 30.2 26.1 39.1
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 96.501 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion: 82 Resp: 1082308

Ion Ratio Lower Upper

82 100

128 43.7 33.5 50.3

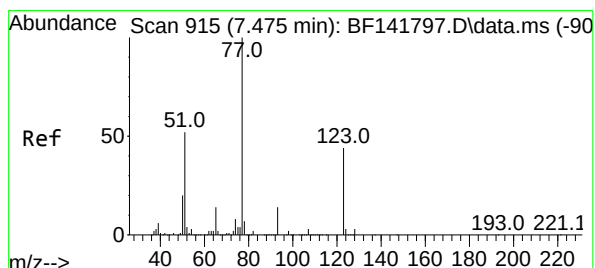
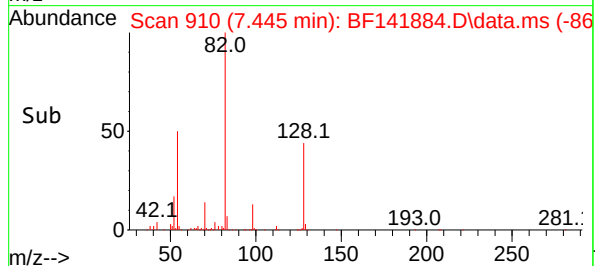
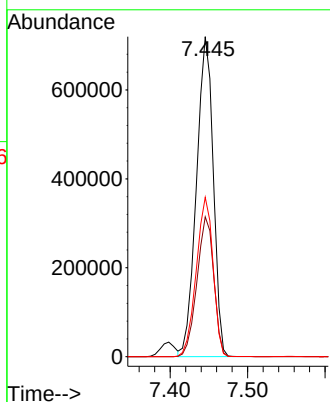
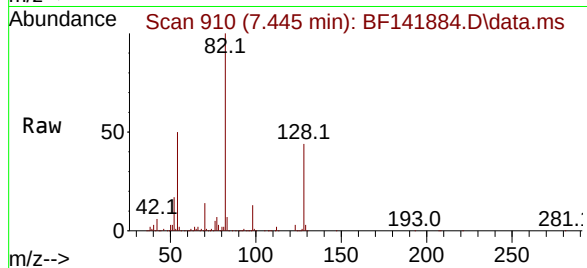
54 49.8 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#24

Nitrobenzene

Concen: 41.986 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

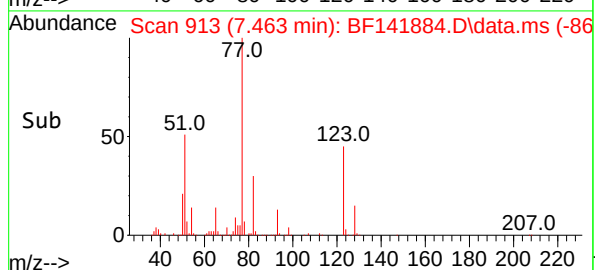
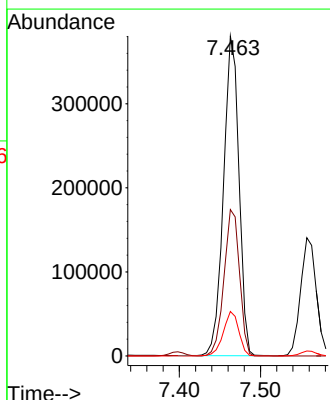
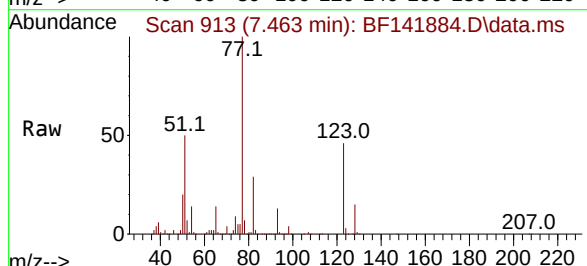
Tgt Ion: 77 Resp: 504262

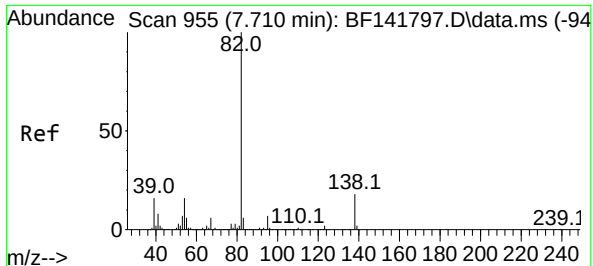
Ion Ratio Lower Upper

77 100

123 45.8 35.8 53.8

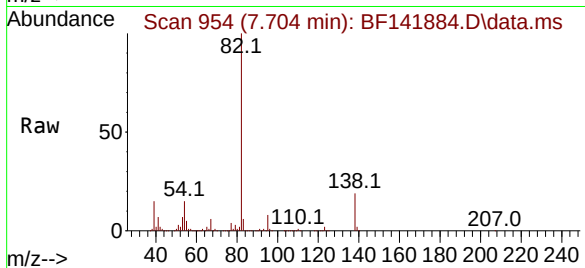
65 13.9 11.2 16.8





#25
Isophorone
Concen: 37.241 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

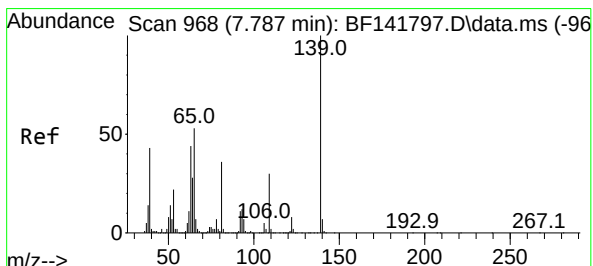
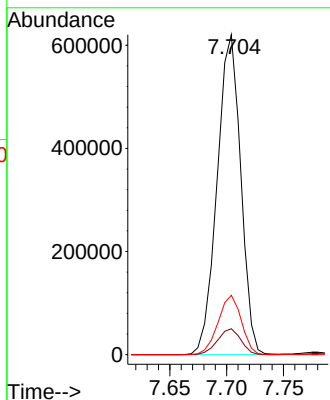
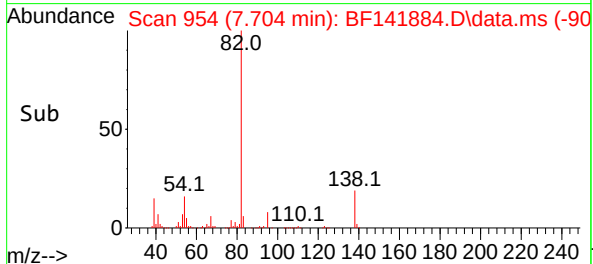
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion: 82 Resp: 89731
Ion Ratio Lower Upper
82 100
95 8.1 5.8 8.8
138 18.6 14.0 21.0

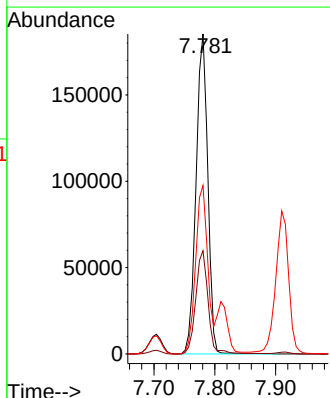
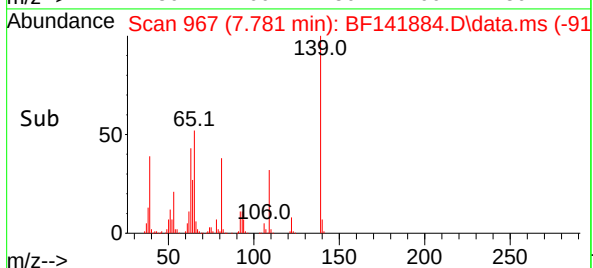
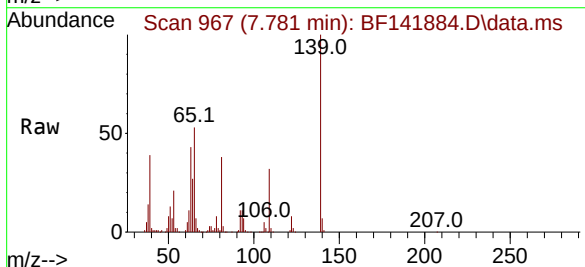
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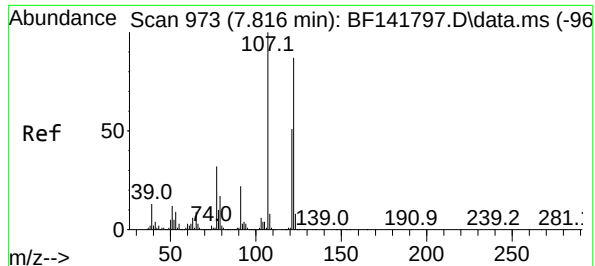
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#26
2-Nitrophenol
Concen: 46.398 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:139 Resp: 248030
Ion Ratio Lower Upper
139 100
109 32.3 24.1 36.1
65 52.7 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 47.806 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141884.D

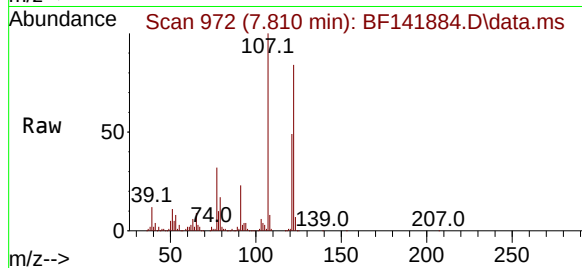
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



Tgt Ion:122 Resp: 42342

Ion Ratio Lower Upper

122 100

107 119.2 92.5 138.7

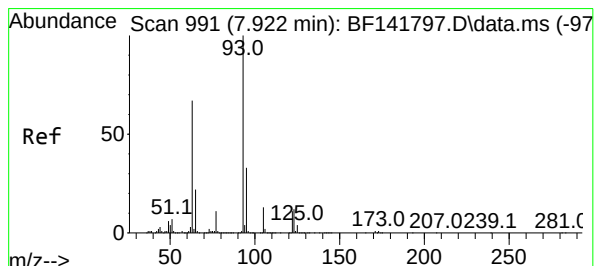
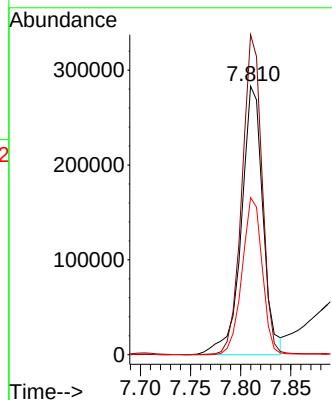
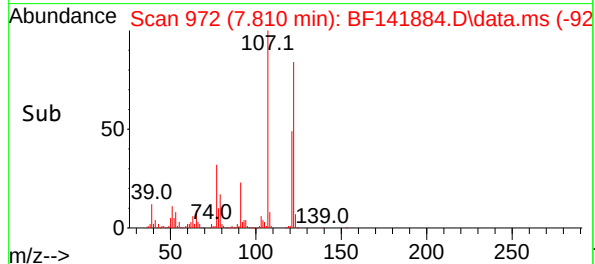
121 58.5 47.1 70.7

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#28

bis(2-Chloroethoxy)methane

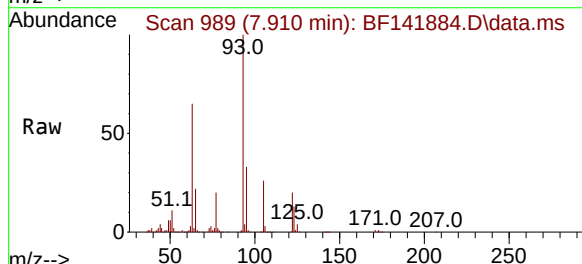
Concen: 34.910 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55



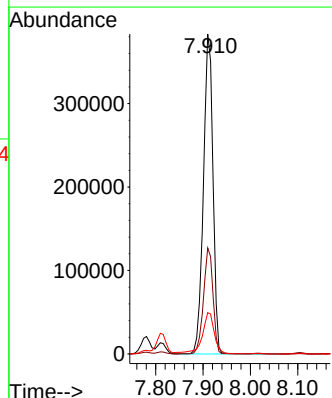
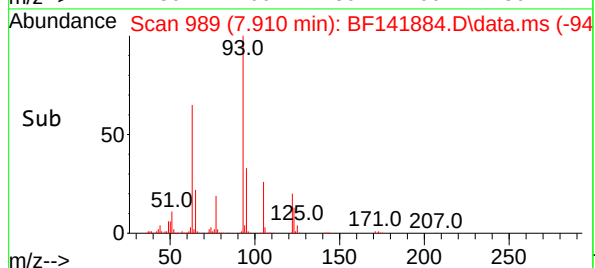
Tgt Ion: 93 Resp: 536568

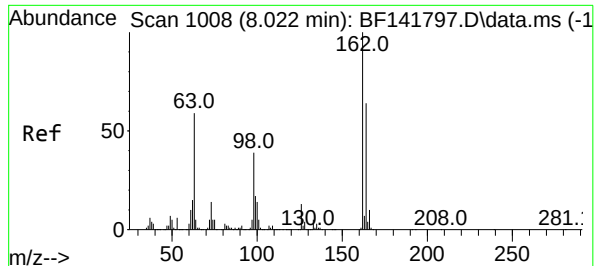
Ion Ratio Lower Upper

93 100

95 33.1 26.5 39.7

123 12.9 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 40.120 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:162 Resp: 409930

Ion Ratio Lower Upper

162 100

164 64.5 44.3 84.3

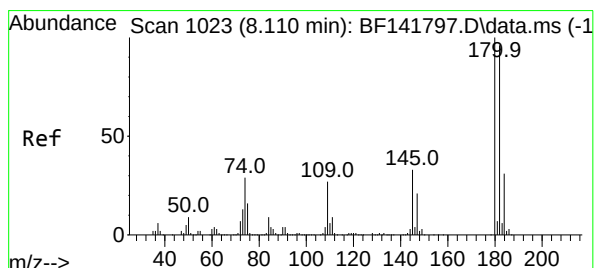
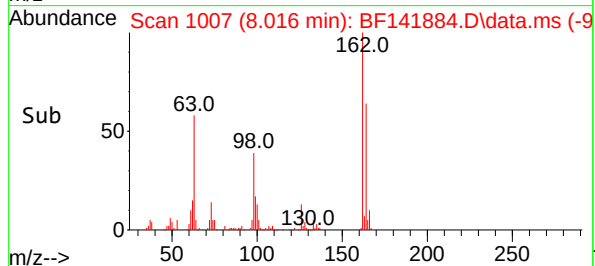
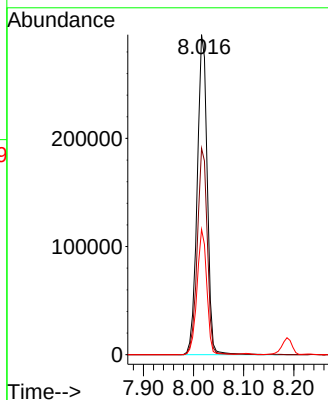
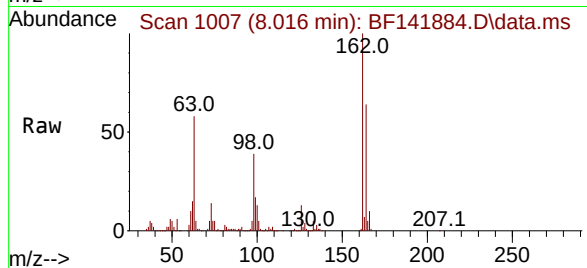
98 39.1 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#30

1,2,4-Trichlorobenzene

Concen: 39.097 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

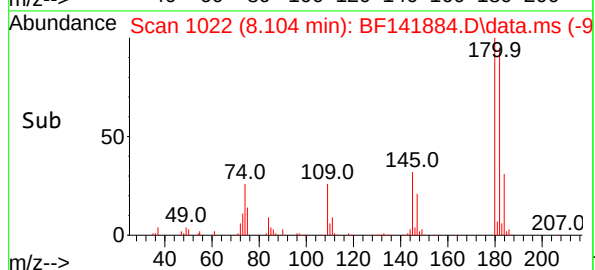
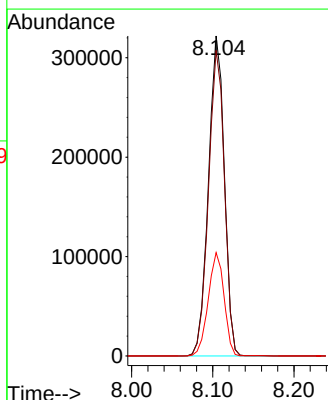
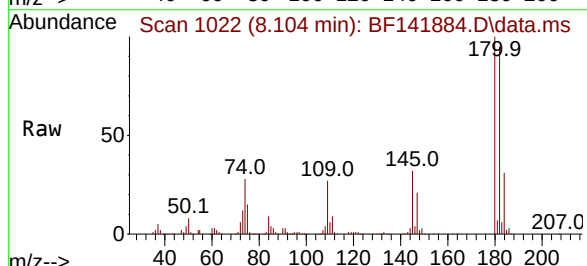
Tgt Ion:180 Resp: 437747

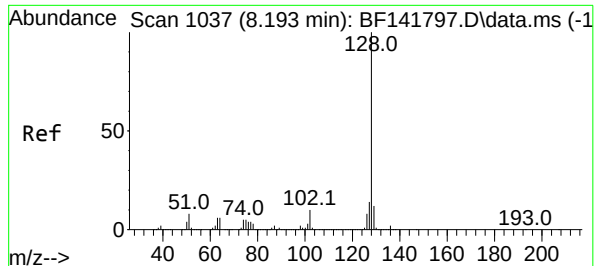
Ion Ratio Lower Upper

180 100

182 95.5 76.8 115.2

145 32.3 26.4 39.6





#31

Naphthalene

Concen: 38.021 ng

RT: 8.186 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:128 Resp: 140089

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

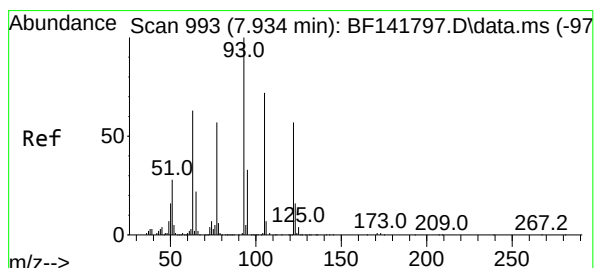
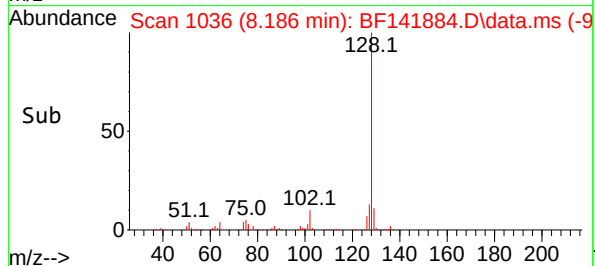
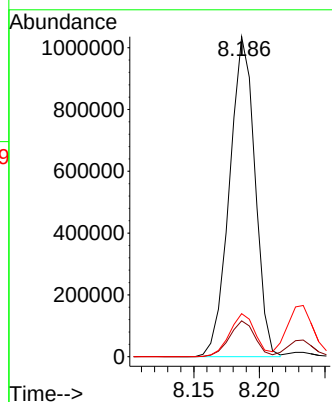
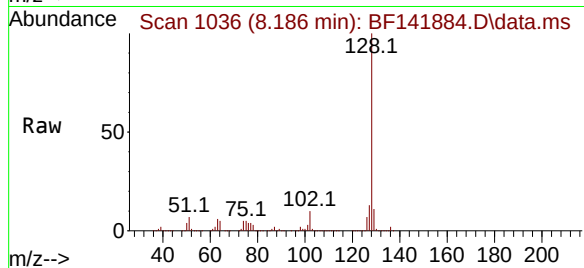
127 13.4 11.0 16.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#32

Benzoic acid

Concen: 44.967 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

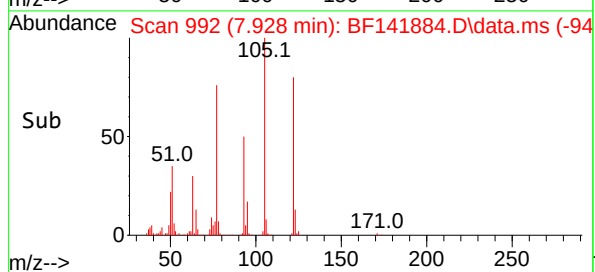
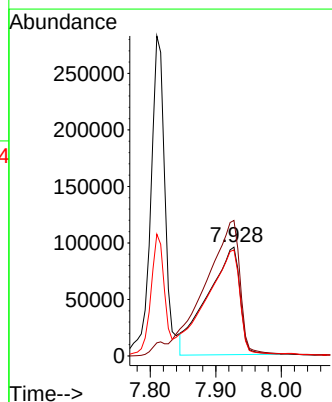
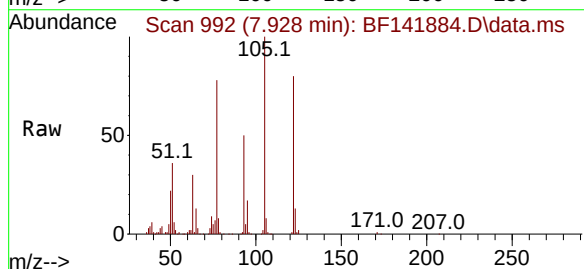
Tgt Ion:122 Resp: 328141

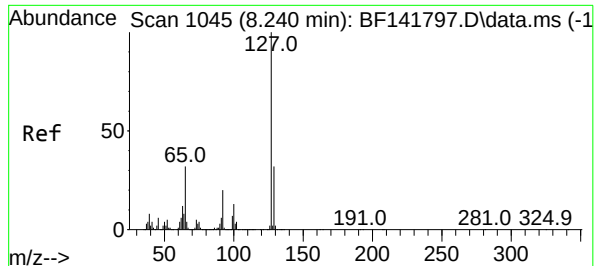
Ion Ratio Lower Upper

122 100

105 124.7 105.8 145.8

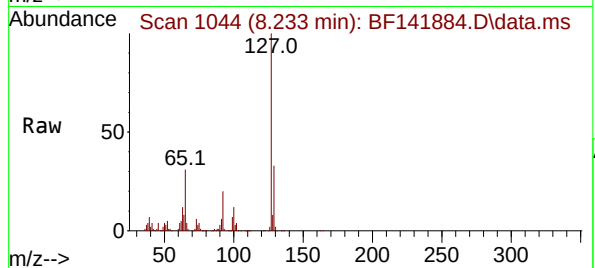
77 97.5 79.9 119.9





#33
4-Chloroaniline
Concen: 18.204 ng
RT: 8.233 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

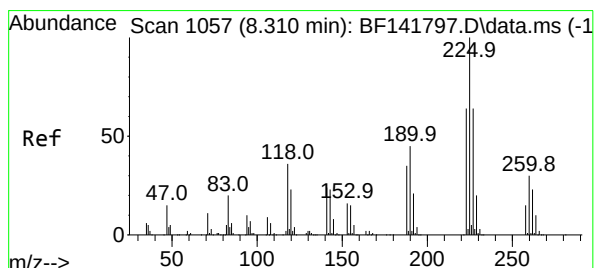
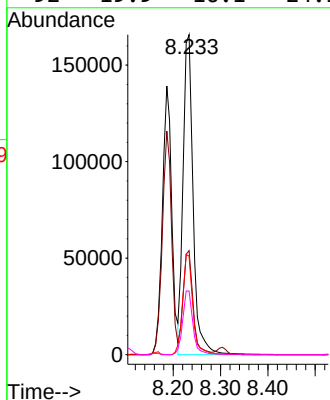
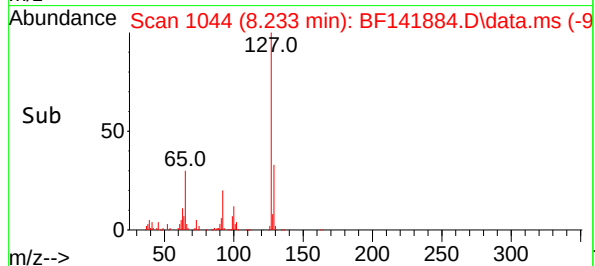
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:127 Resp: 245930
Ion Ratio Lower Upper
127 100
129 32.5 26.1 39.1
65 30.8 25.7 38.5
92 19.9 16.1 24.1

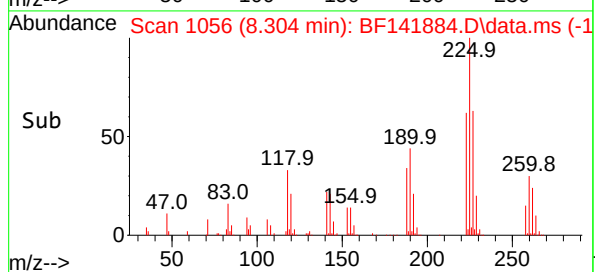
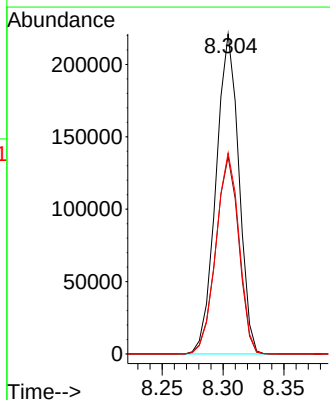
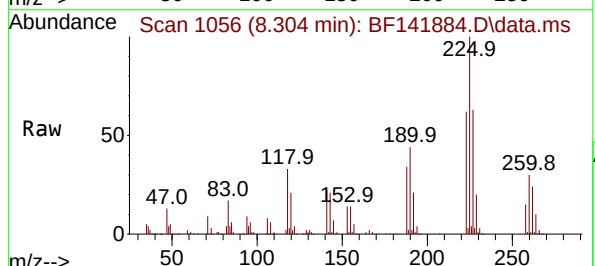
Manual Integrations
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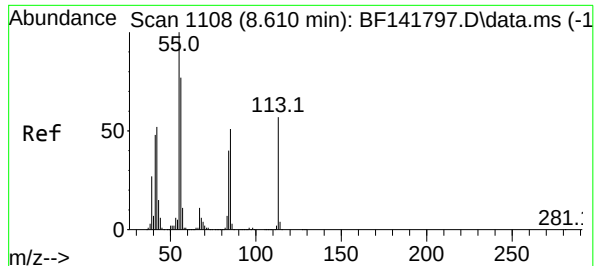
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#34
Hexachlorobutadiene
Concen: 41.529 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:225 Resp: 288945
Ion Ratio Lower Upper
225 100
223 61.6 51.4 77.2
227 62.9 51.6 77.4





#35

Caprolactam

Concen: 45.880 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.012 min

Lab File: BF141884.D

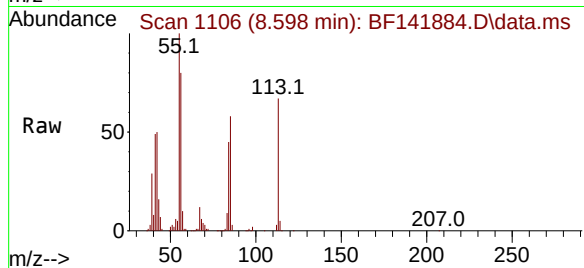
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



Tgt Ion:113 Resp: 144210

Ion Ratio Lower Upper

113 100

55 149.3 155.6 195.6

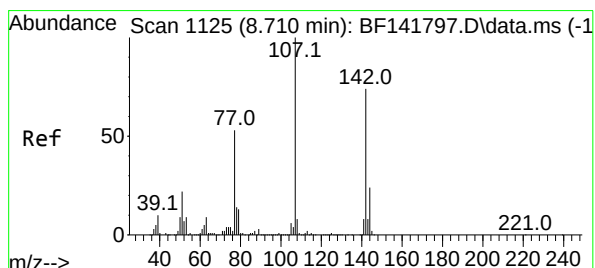
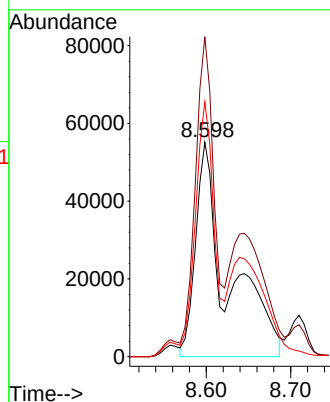
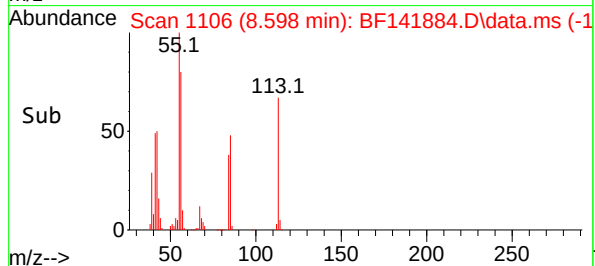
56 118.8 114.6 154.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#36

4-Chloro-3-methylphenol

Concen: 40.419 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

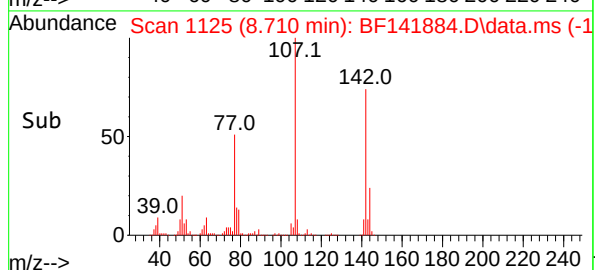
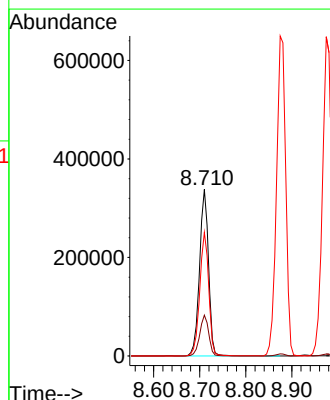
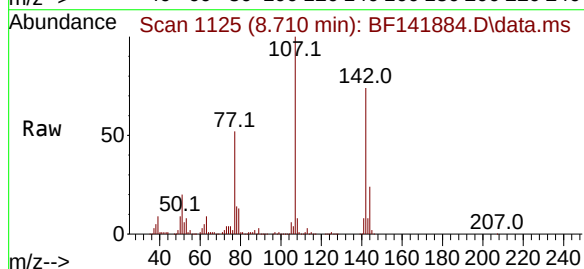
Tgt Ion:107 Resp: 458784

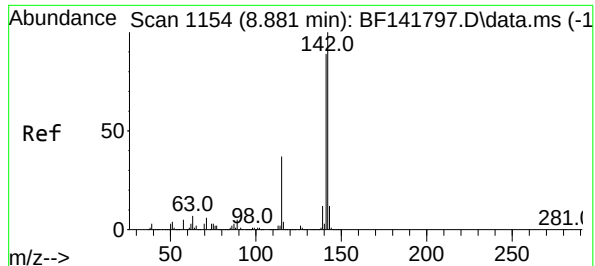
Ion Ratio Lower Upper

107 100

144 24.5 19.4 29.0

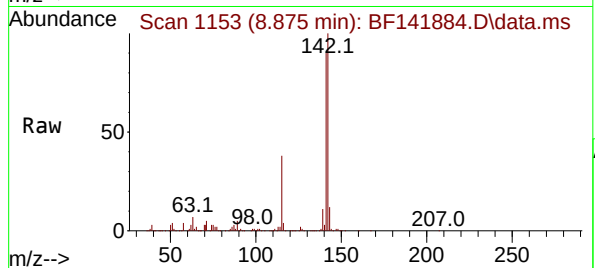
142 74.2 59.4 89.0





#37
2-Methylnaphthalene
Concen: 37.299 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

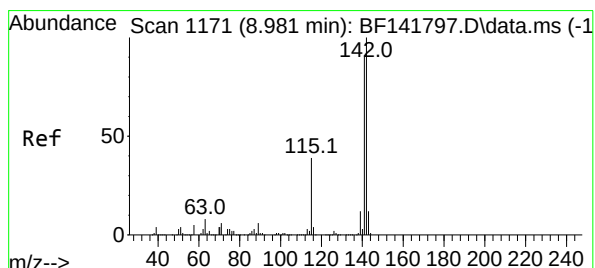
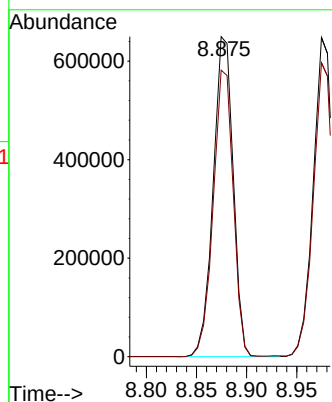
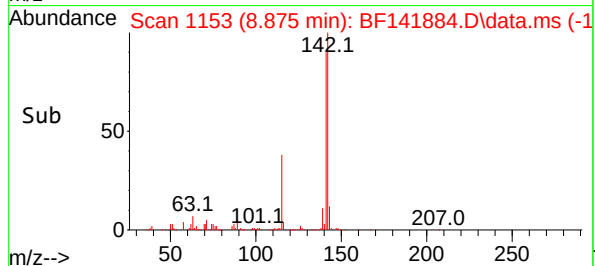
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:142 Resp: 901415
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7

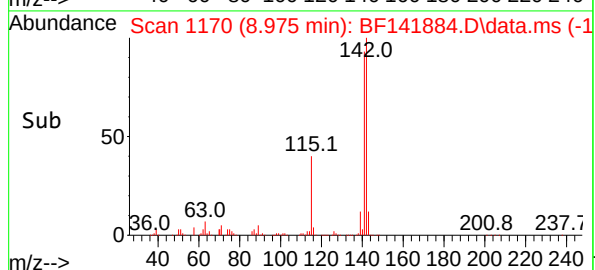
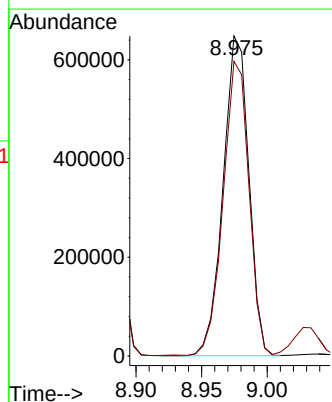
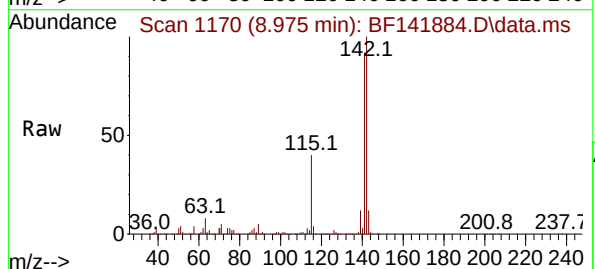
Manual Integrations
APPROVED

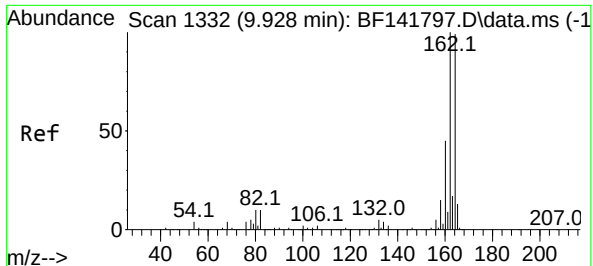
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#38
1-Methylnaphthalene
Concen: 38.109 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:142 Resp: 883724
Ion Ratio Lower Upper
142 100
141 92.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141884.D

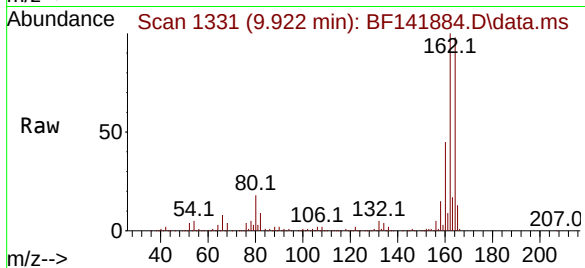
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



Tgt Ion:164 Resp: 419930

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

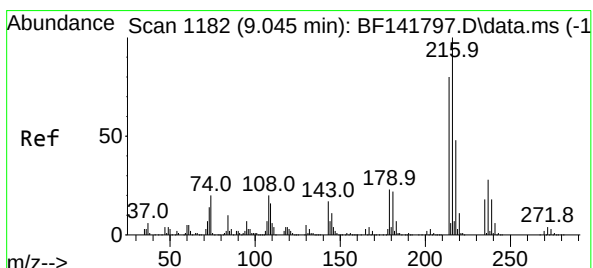
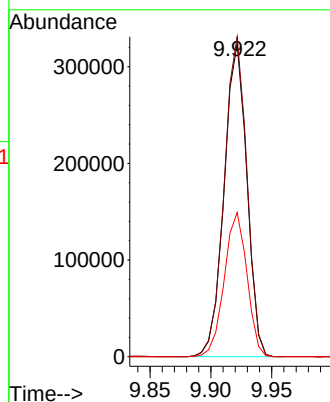
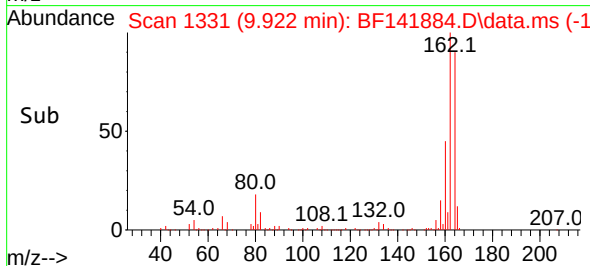
160 46.1 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.470 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Tgt Ion:216 Resp: 527217

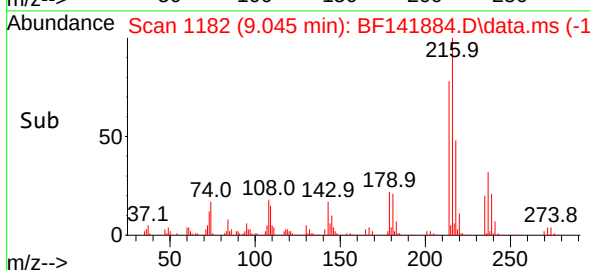
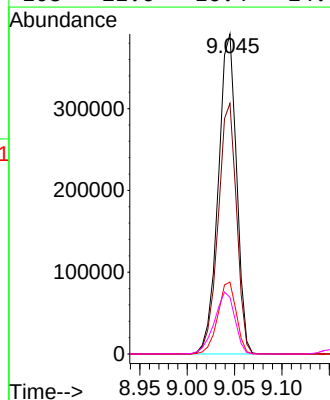
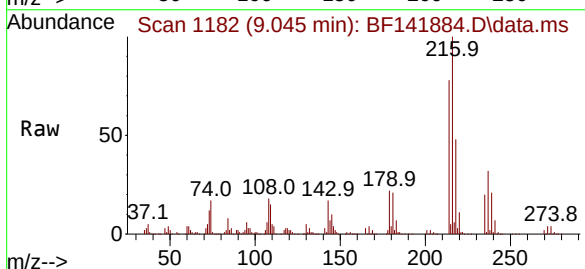
Ion Ratio Lower Upper

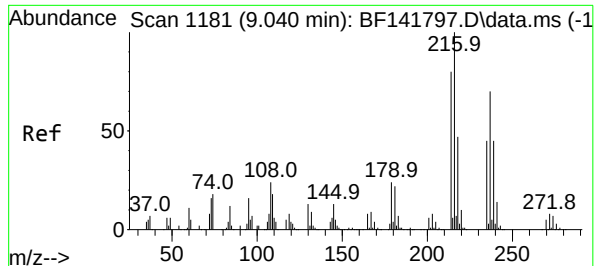
216 100

214 78.7 63.5 95.3

179 22.7 18.1 27.1

108 21.6 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 134.228 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:237 Resp: 679380

Ion Ratio Lower Upper

237 100

235 63.2 43.3 83.3

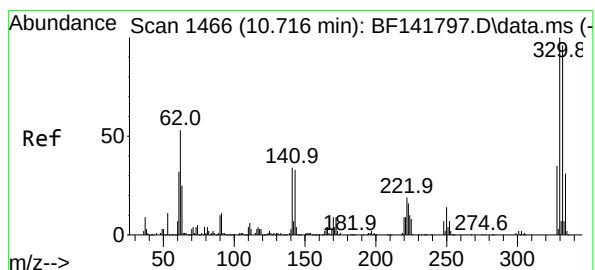
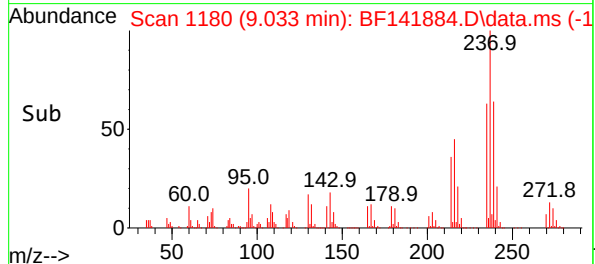
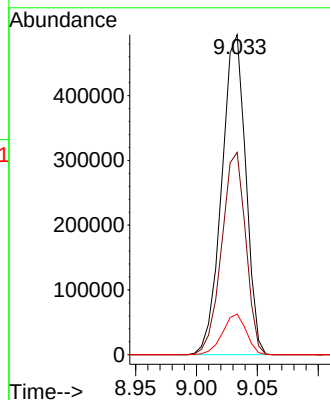
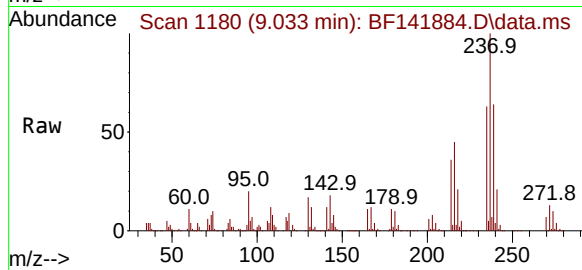
272 12.7 0.0 31.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#42

2,4,6-Tribromophenol

Concen: 165.858 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

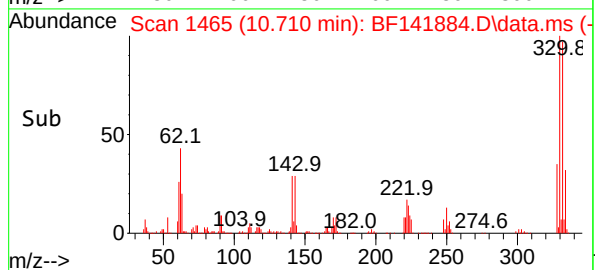
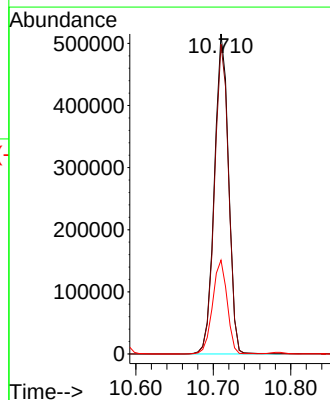
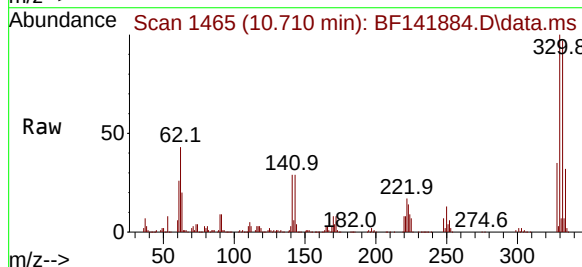
Tgt Ion:330 Resp: 653885

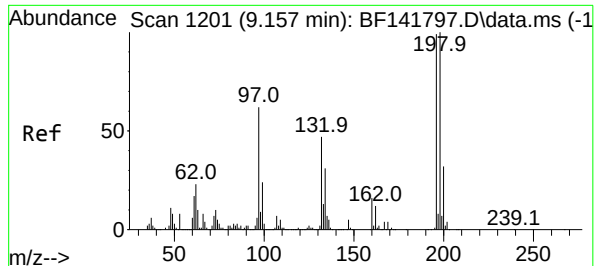
Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

141 30.0 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 41.597 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:196 Resp: 325889

Ion Ratio Lower Upper

196 100

198 100.6 80.4 120.6

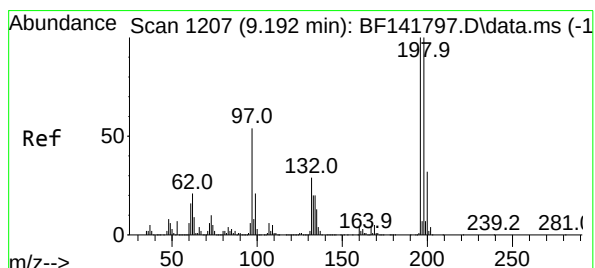
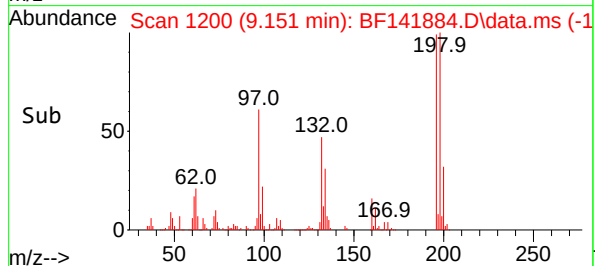
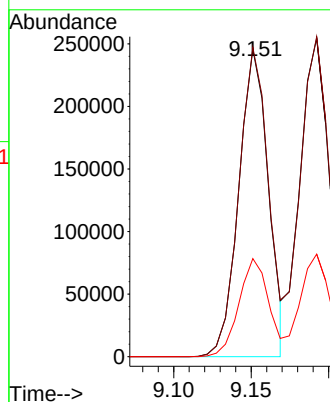
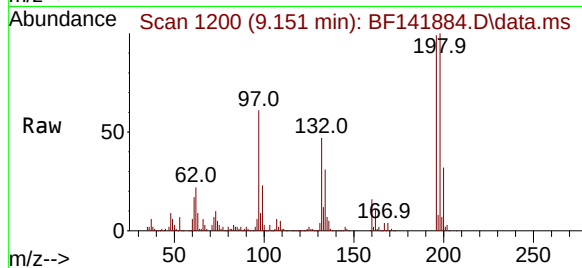
200 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#44

2,4,5-Trichlorophenol

Concen: 43.780 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Tgt Ion:196 Resp: 339634

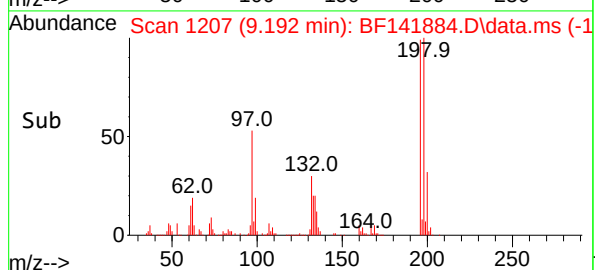
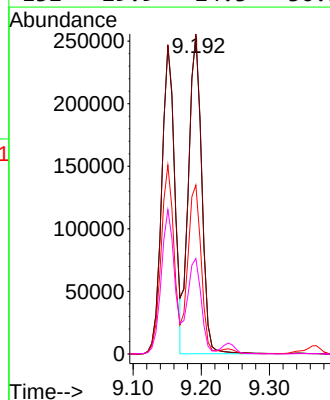
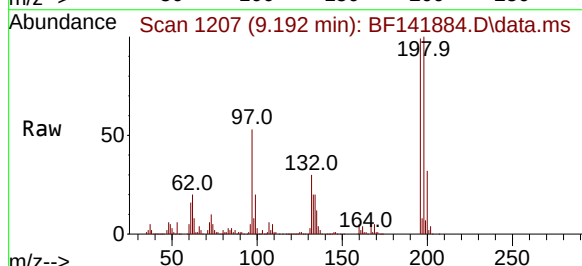
Ion Ratio Lower Upper

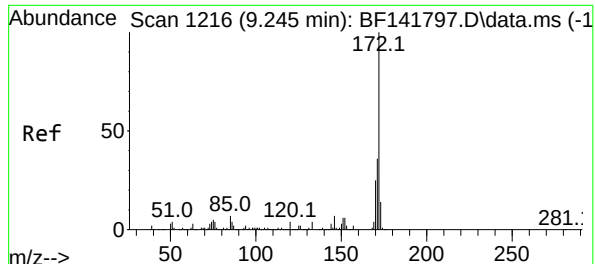
196 100

198 100.5 79.7 119.5

97 53.0 44.2 66.2

132 29.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 85.594 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:172 Resp: 224166

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

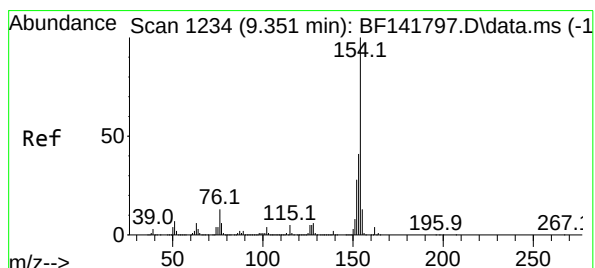
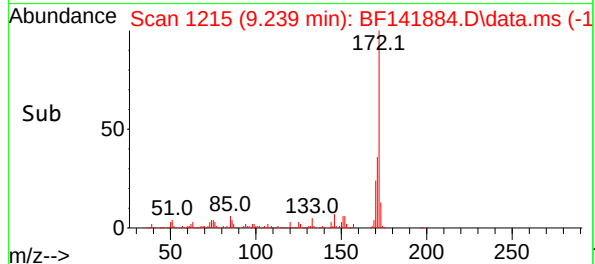
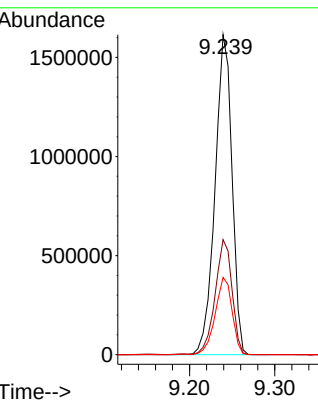
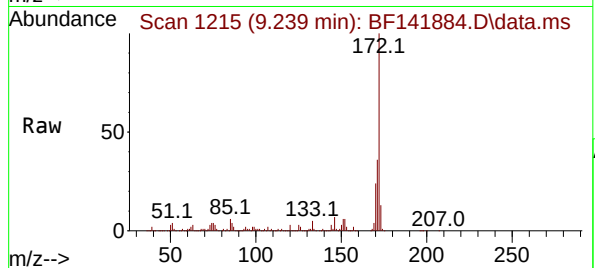
170 24.2 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#46

1,1'-Biphenyl

Concen: 42.212 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

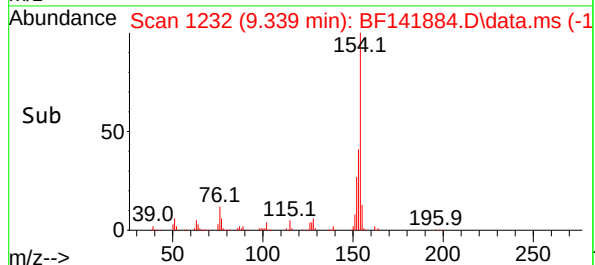
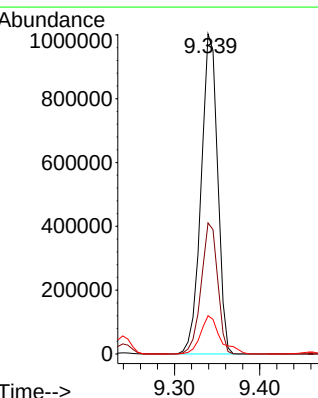
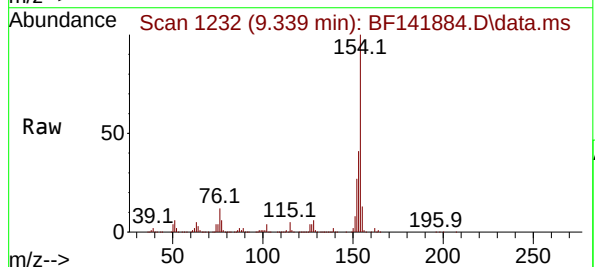
Tgt Ion:154 Resp: 1349271

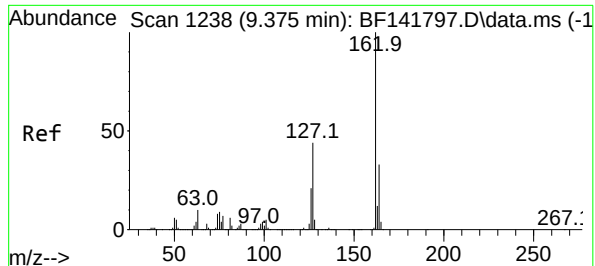
Ion Ratio Lower Upper

154 100

153 40.9 21.4 61.4

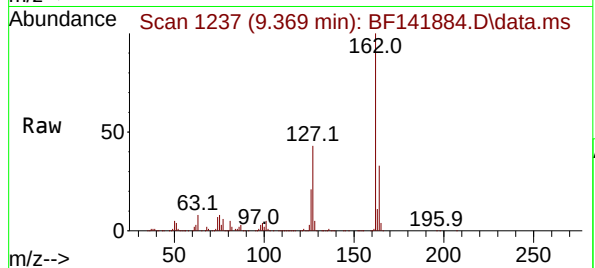
76 12.0 0.0 33.4





#47
2-Chloronaphthalene
Concen: 39.571 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

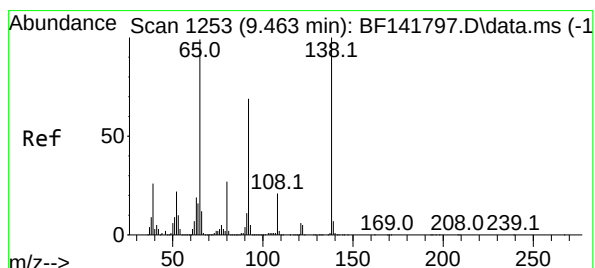
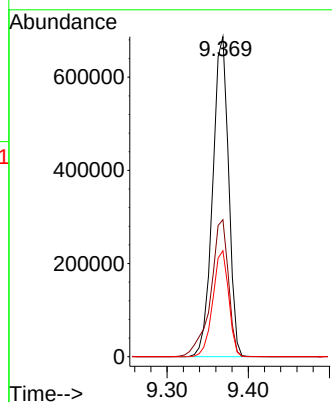
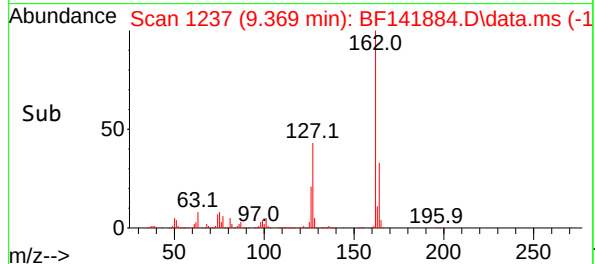
Instrument : BNA_F
ClientSampleId : PB167016BS



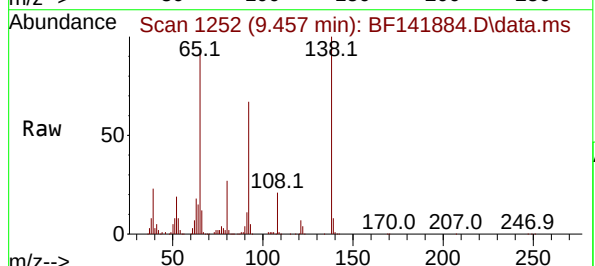
Tgt Ion:162 Resp: 933550
Ion Ratio Lower Upper
162 100
127 42.8 35.0 52.6
164 33.1 26.6 40.0

Manual Integrations
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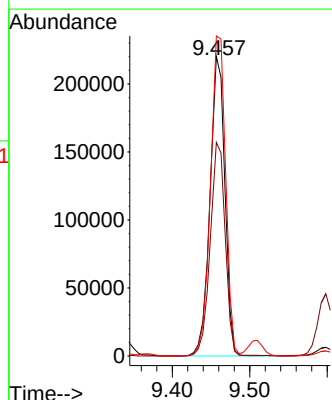
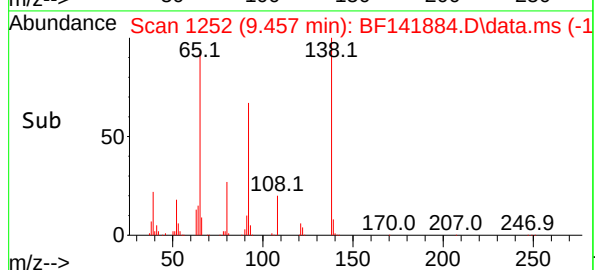
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

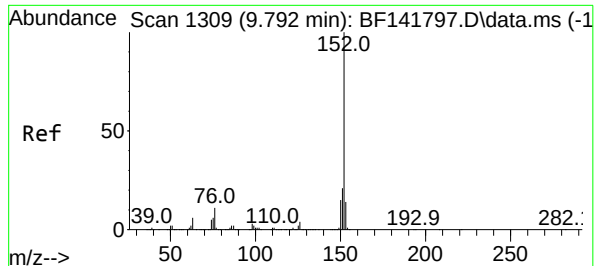


#48
2-Nitroaniline
Concen: 45.846 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



Tgt Ion: 65 Resp: 294678
Ion Ratio Lower Upper
65 100
92 71.3 55.7 83.5
138 106.9 80.6 121.0





#49

Acenaphthylene

Concen: 41.660 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141884.D

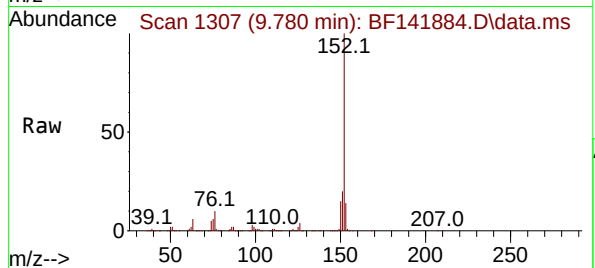
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



Tgt Ion:152 Resp: 1473589

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

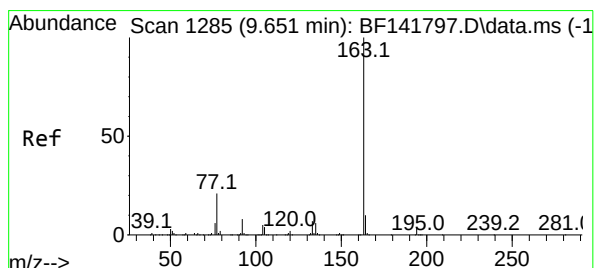
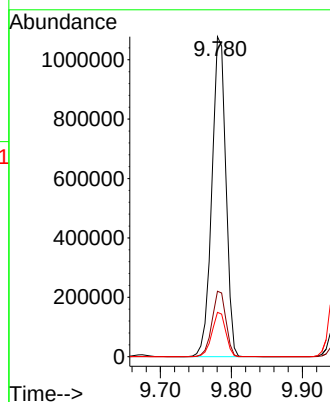
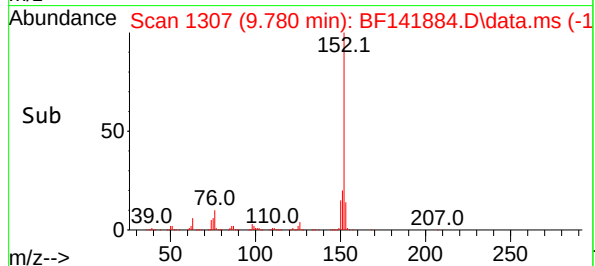
153 13.9 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#50

Dimethylphthalate

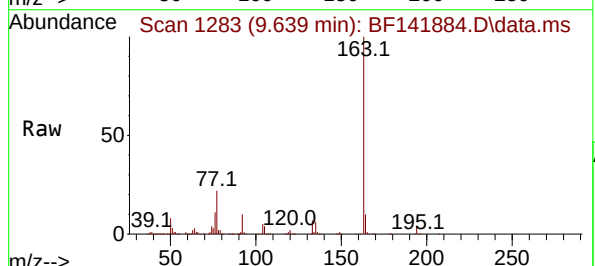
Concen: 40.251 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55



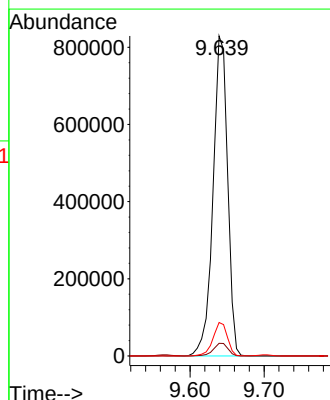
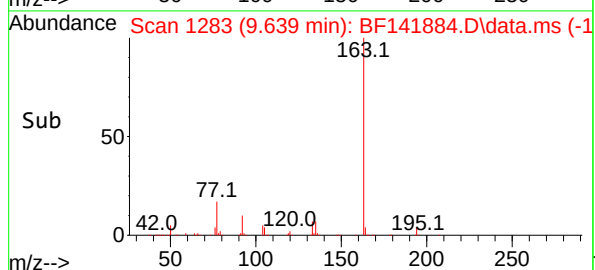
Tgt Ion:163 Resp: 1131944

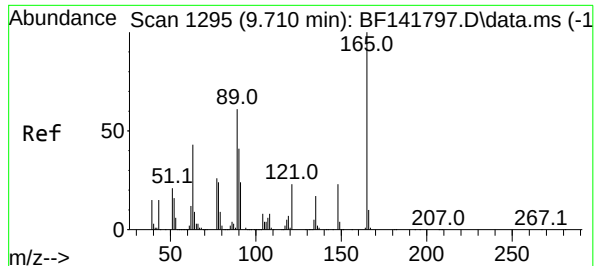
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.5 8.4 12.6





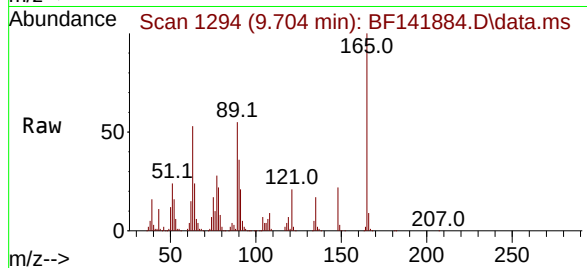
#51
2,6-Dinitrotoluene
Concen: 46.673 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

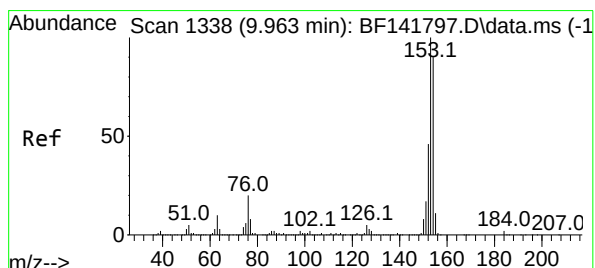
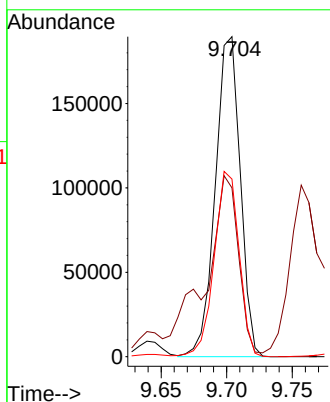
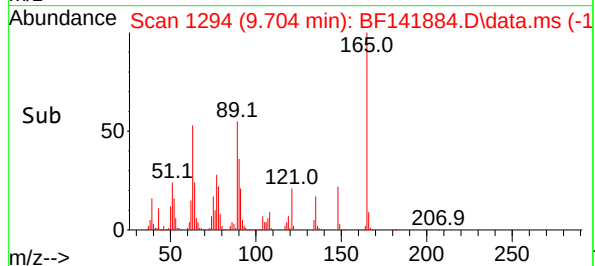


Tgt Ion:165 Resp: 250649
Ion Ratio Lower Upper
165 100
63 52.7 49.5 74.3
89 55.5 49.0 73.4

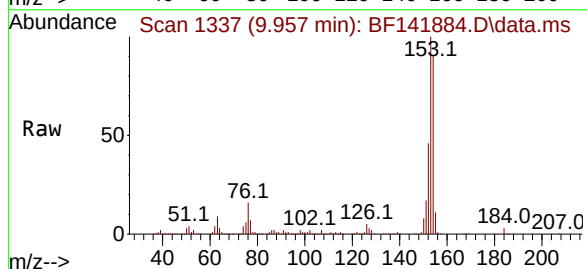
Manual Integrations

APPROVED

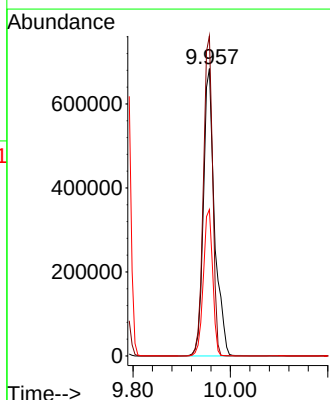
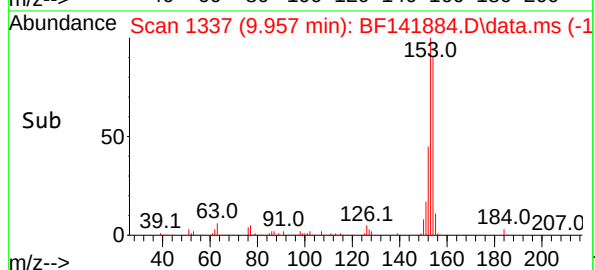
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

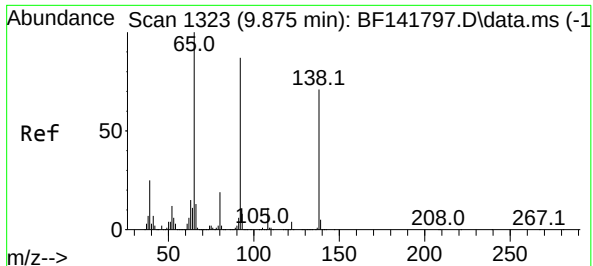


#52
Acenaphthene
Concen: 45.624 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



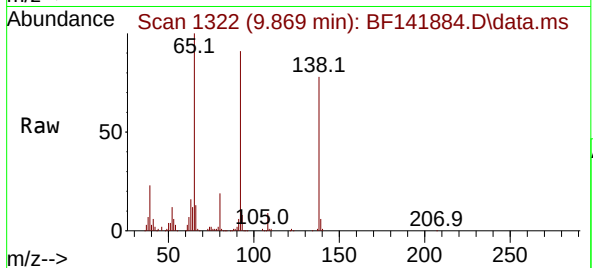
Tgt Ion:154 Resp: 1088895
Ion Ratio Lower Upper
154 100
153 111.4 88.7 133.1
152 51.0 40.9 61.3





#53
3-Nitroaniline
Concen: 31.287 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

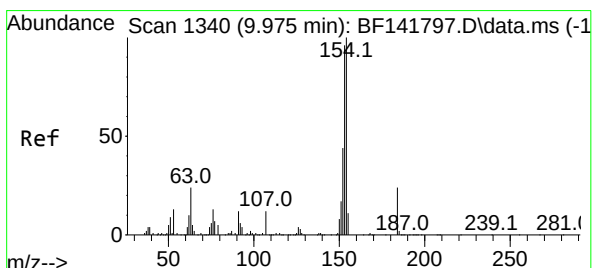
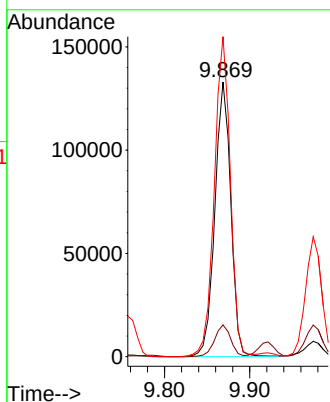
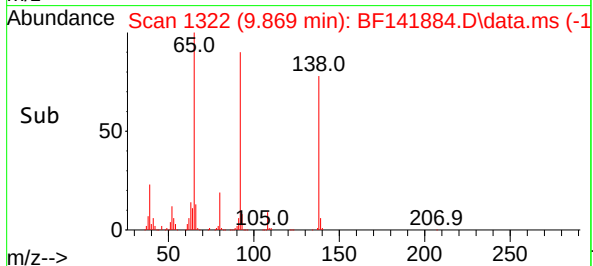
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:138 Resp: 172982
Ion Ratio Lower Upper
138 100
108 11.6 12.7 19.1
92 116.5 97.9 146.9

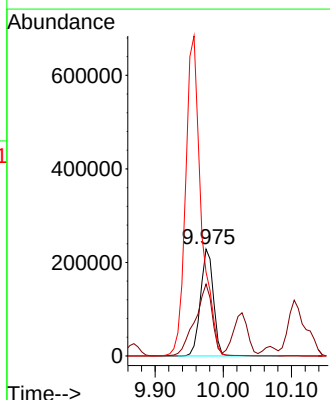
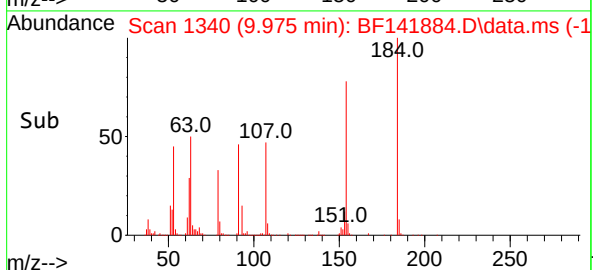
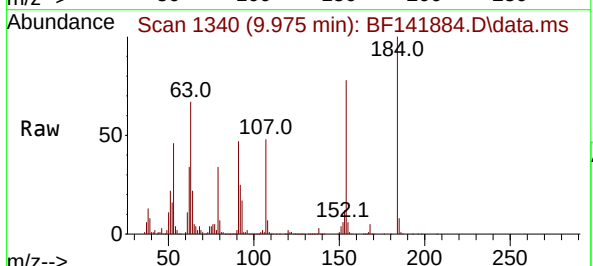
Manual Integrations
APPROVED

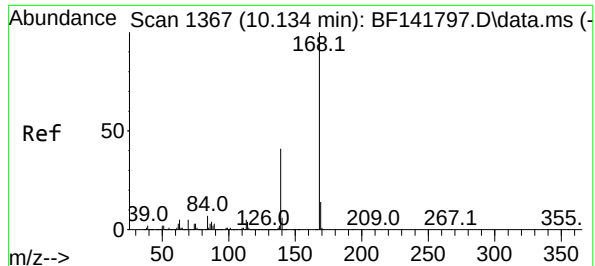
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#54
2,4-Dinitrophenol
Concen: 108.480 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

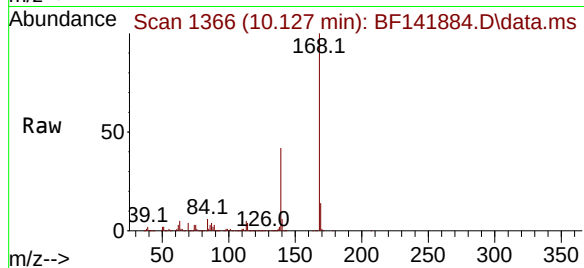
Tgt Ion:184 Resp: 300997
Ion Ratio Lower Upper
184 100
63 67.2 79.0 118.6#
154 78.4 335.8 503.8#





#55
Dibenzenofuran
Concen: 37.617 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

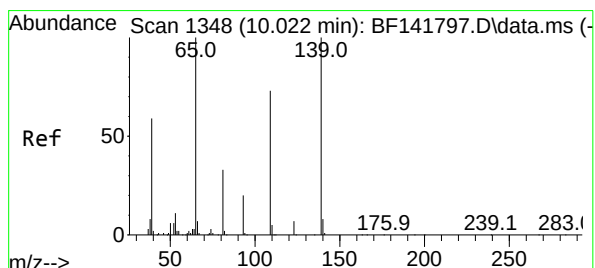
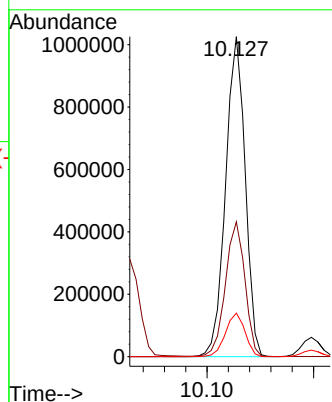
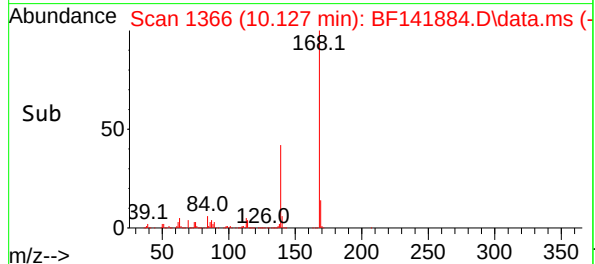
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:168 Resp: 130675
Ion Ratio Lower Upper
168 100
139 42.2 32.9 49.3
169 13.6 11.1 16.7

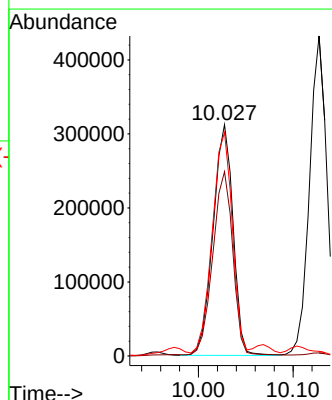
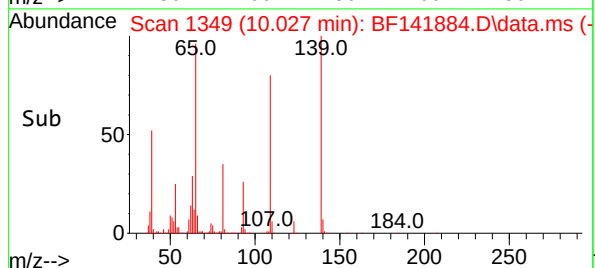
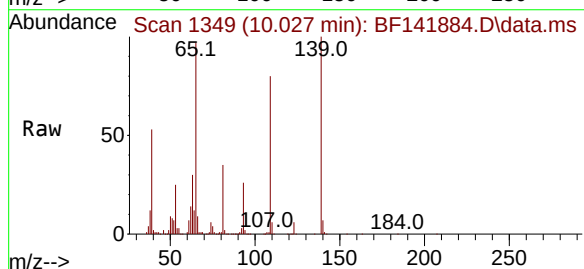
Manual Integrations
APPROVED

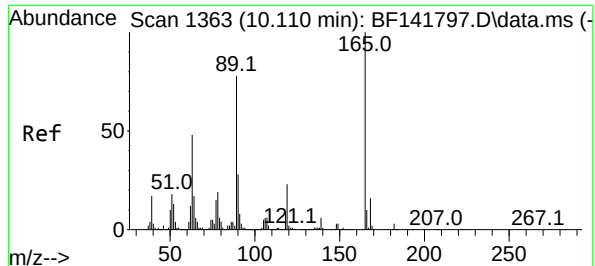
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#56
4-Nitrophenol
Concen: 110.375 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:139 Resp: 458442
Ion Ratio Lower Upper
139 100
109 79.6 53.4 93.4
65 96.6 82.1 122.1





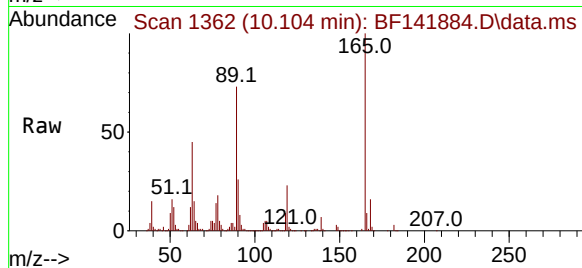
#57
2,4-Dinitrotoluene
Concen: 51.931 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

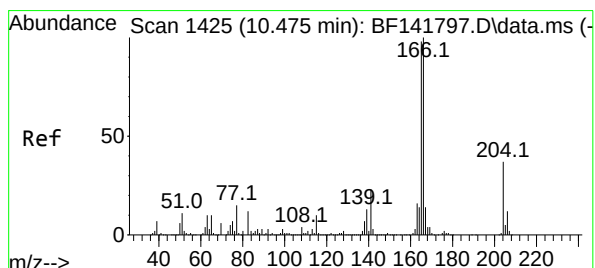
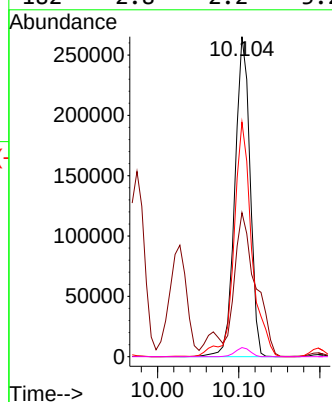
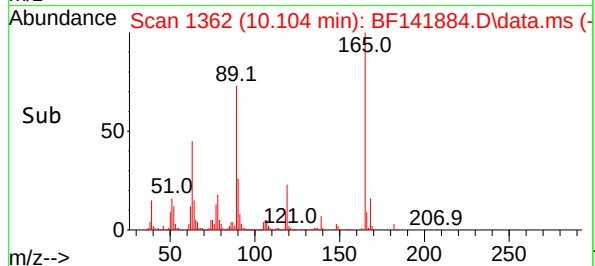


Tgt Ion:165 Resp: 343289
Ion Ratio Lower Upper
165 100
63 45.0 38.8 58.2
89 73.3 62.6 94.0
182 2.8 2.2 3.2

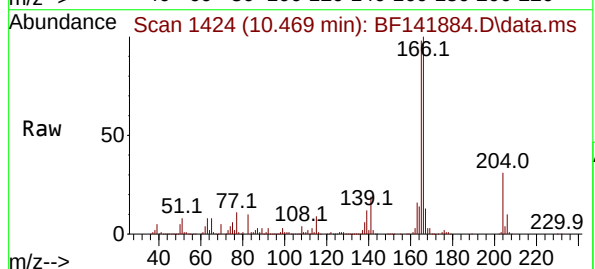
Manual Integrations

APPROVED

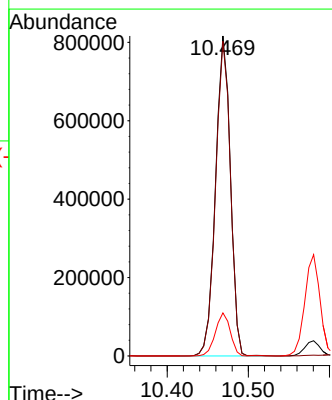
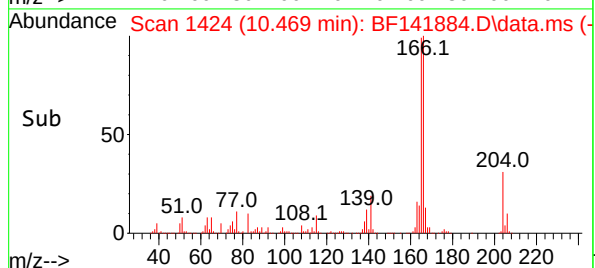
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

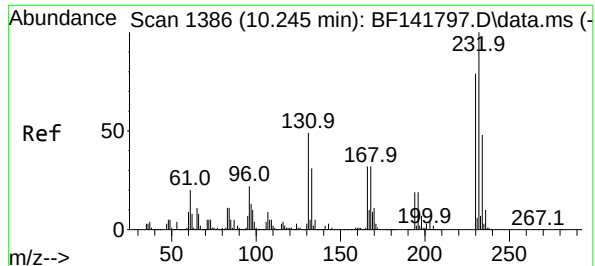


#58
Fluorene
Concen: 39.924 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



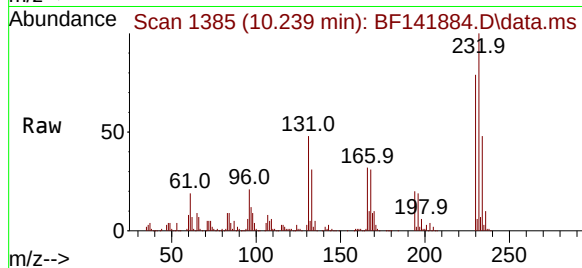
Tgt Ion:166 Resp: 1038850
Ion Ratio Lower Upper
166 100
165 98.3 78.6 117.8
167 13.4 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.989 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

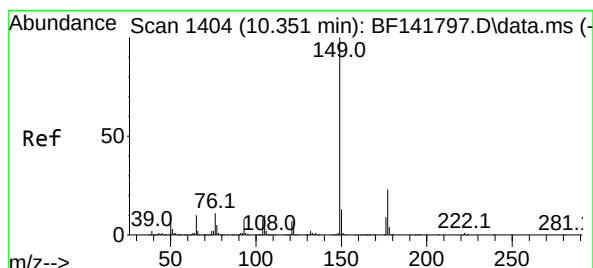
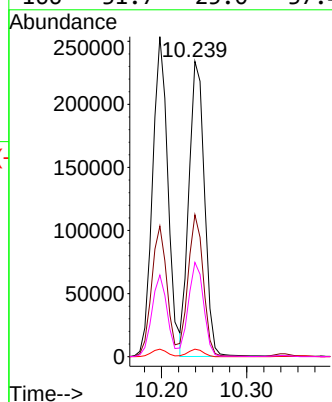
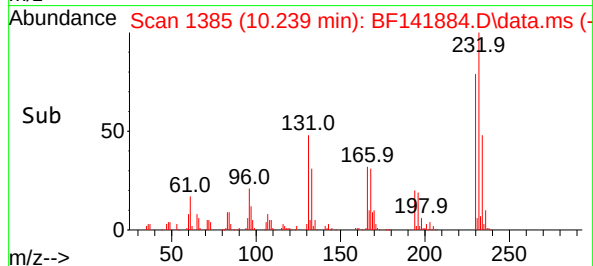
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:232 Resp: 296791
Ion Ratio Lower Upper
232 100
131 47.8 37.8 56.8
130 2.5 2.0 3.0
166 31.7 25.0 37.4

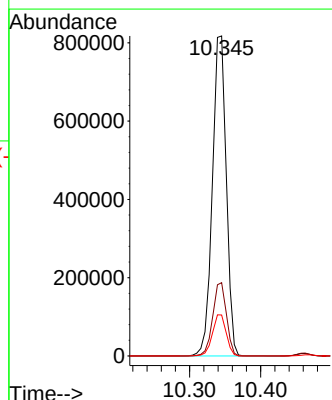
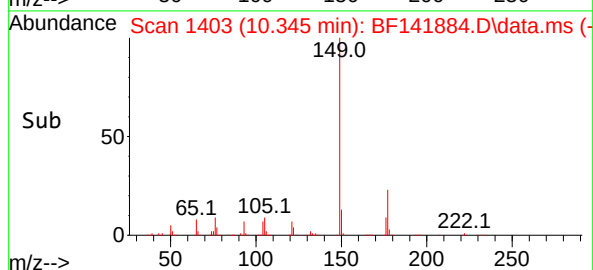
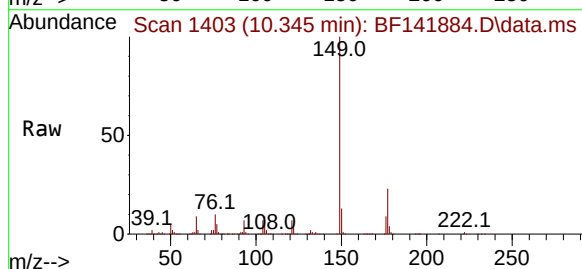
Manual Integrations
APPROVED

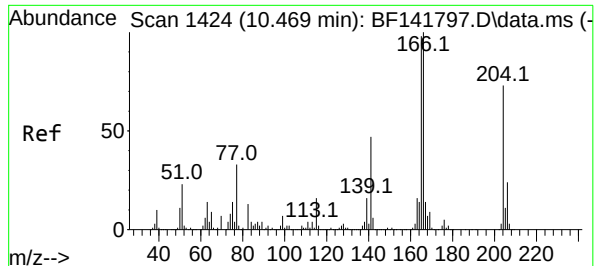
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#60
Diethylphthalate
Concen: 39.449 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

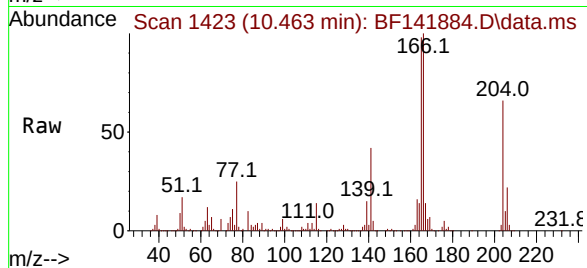
Tgt Ion:149 Resp: 1112154
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 39.795 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

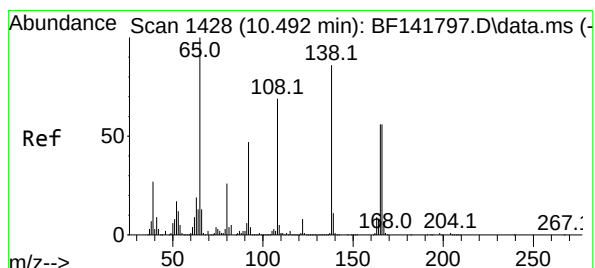
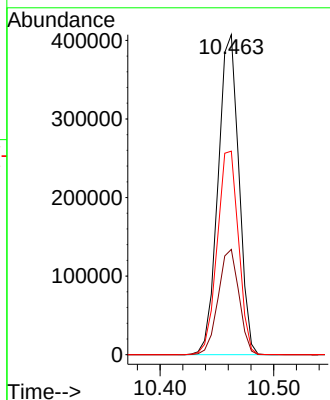
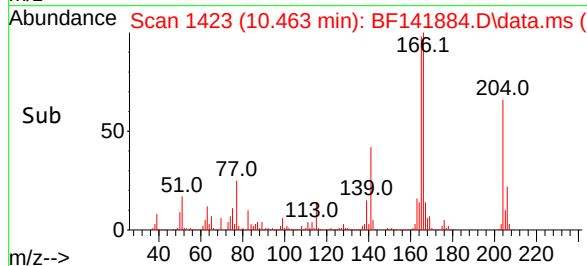
Instrument :
BNA_F
ClientSampleId :
PB167016BS



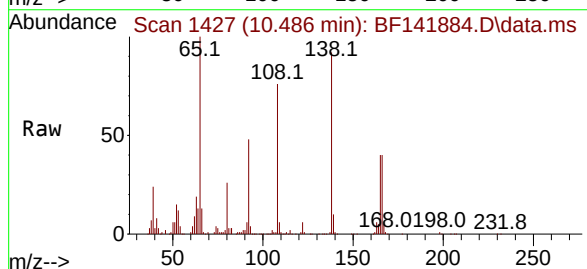
Tgt Ion:204 Resp: 51882
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 63.6 51.7 77.5

Manual Integrations
APPROVED

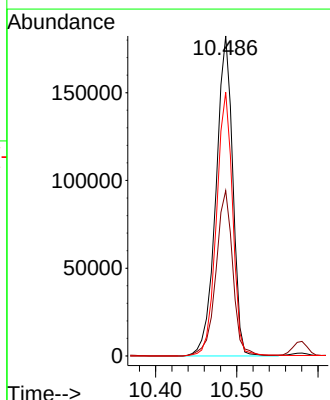
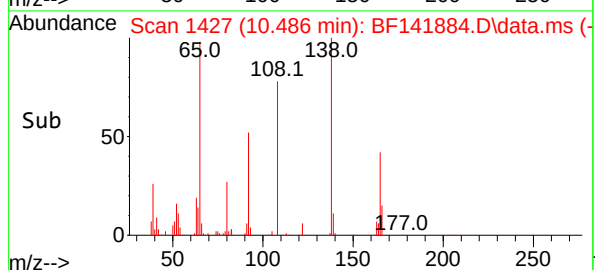
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

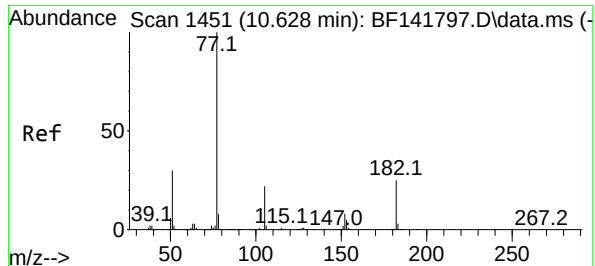


#62
4-Nitroaniline
Concen: 54.891 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



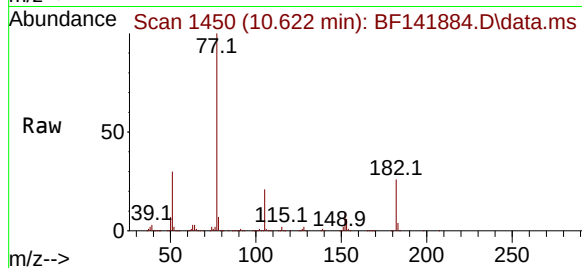
Tgt Ion:138 Resp: 263619
Ion Ratio Lower Upper
138 100
92 51.7 34.9 74.9
108 82.4 59.6 99.6





#63
Azobenzene
Concen: 35.354 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

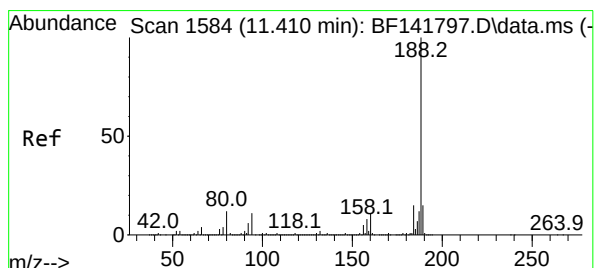
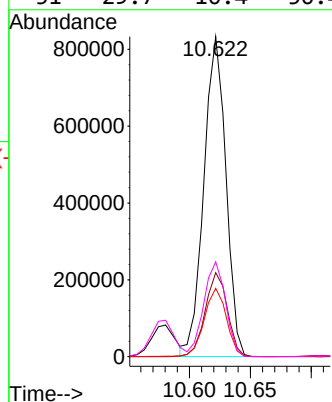
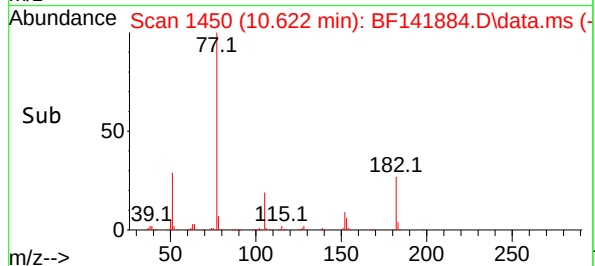
Instrument :
BNA_F
ClientSampleId :
PB167016BS



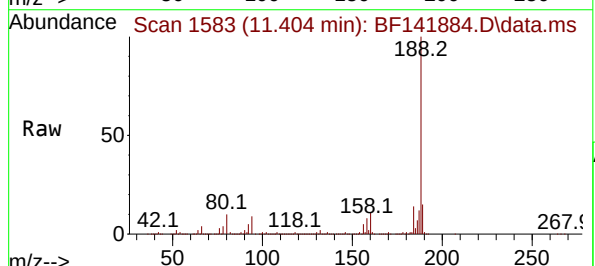
Tgt Ion: 77 Resp: 1049439
Ion Ratio Lower Upper
77 100
182 26.2 4.2 44.2
105 21.4 1.5 41.5
51 29.7 10.4 50.4

Manual Integrations
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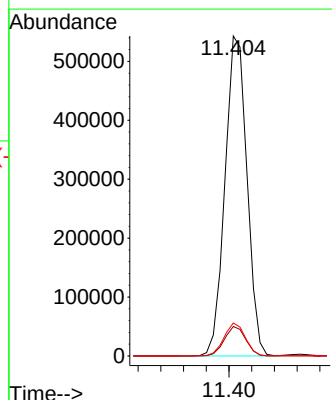
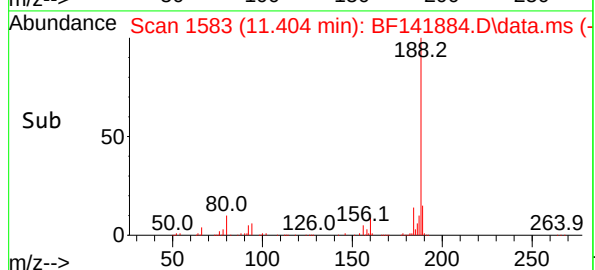
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

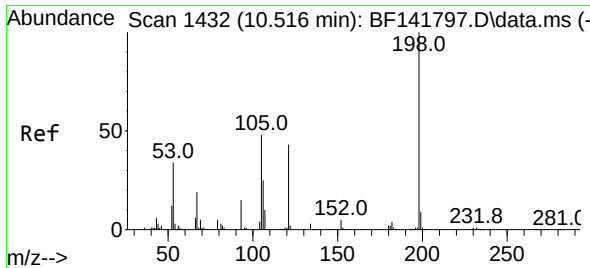


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



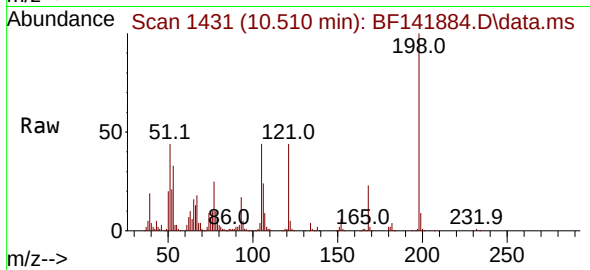
Tgt Ion:188 Resp: 730268
Ion Ratio Lower Upper
188 100
94 9.2 8.9 13.3
80 10.3 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 53.979 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

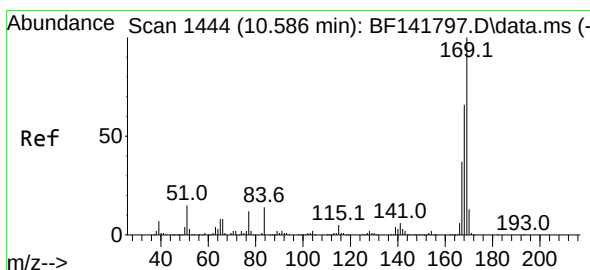
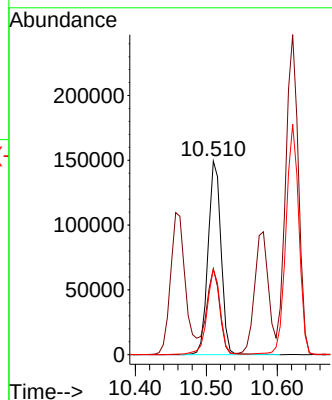
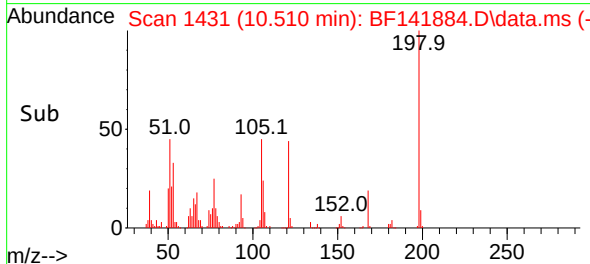
Instrument :
BNA_F
ClientSampleId :
PB167016BS



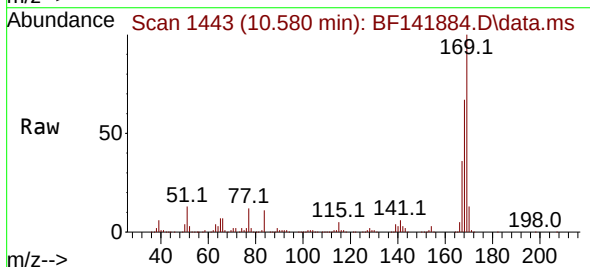
Tgt Ion:198 Resp: 189810
Ion Ratio Lower Upper
198 100
51 44.4 32.1 72.1
105 44.2 28.5 68.5

Manual Integrations
APPROVED

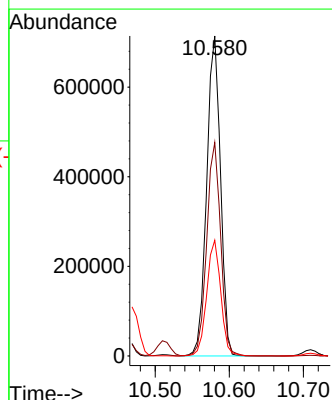
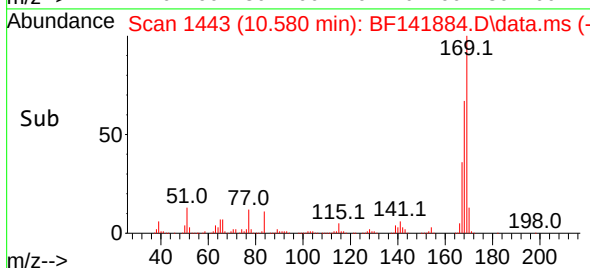
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

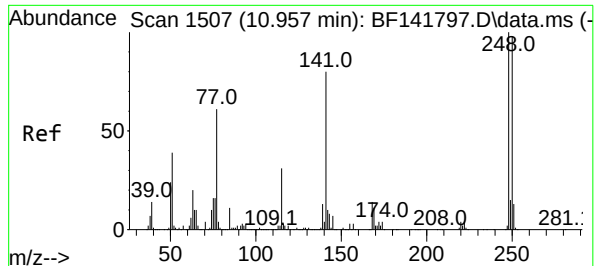


#66
n-Nitrosodiphenylamine
Concen: 38.494 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



Tgt Ion:169 Resp: 923056
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.2 29.3 43.9





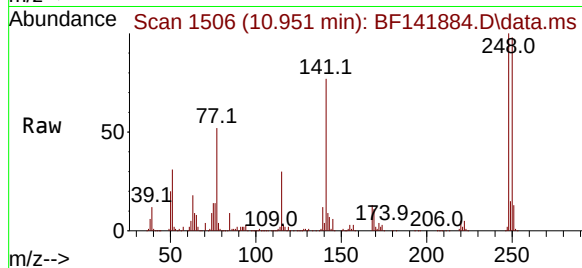
#67
4-Bromophenyl-phenylether
Concen: 40.303 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

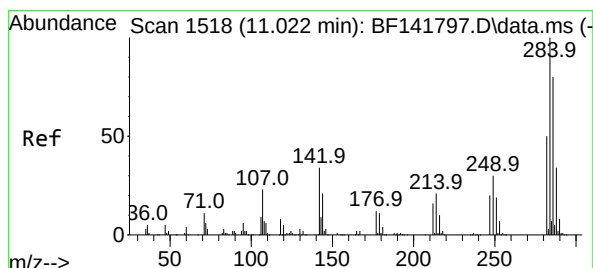
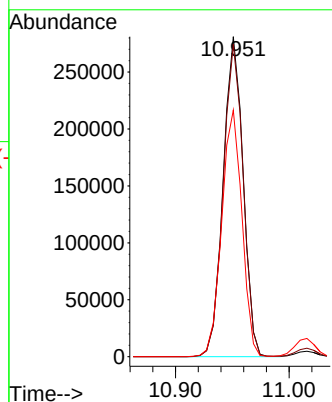
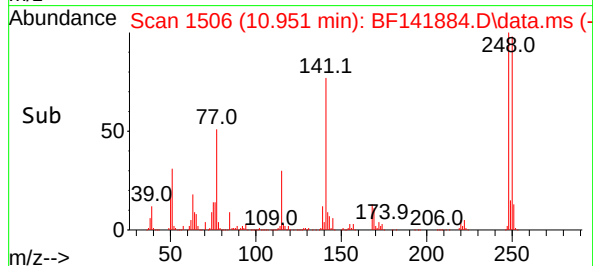


Tgt Ion:248 Resp: 343779
Ion Ratio Lower Upper
248 100
250 97.7 78.1 117.1
141 77.1 64.3 96.5

Manual Integrations

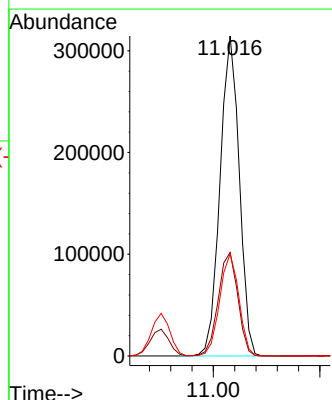
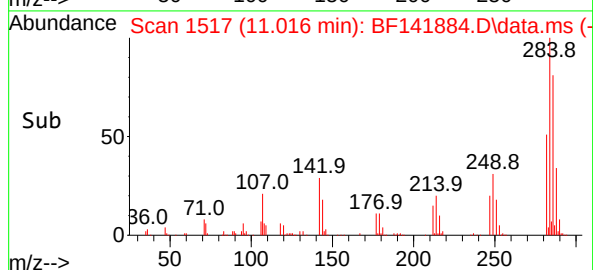
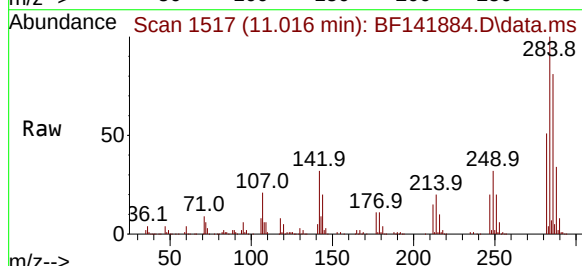
APPROVED

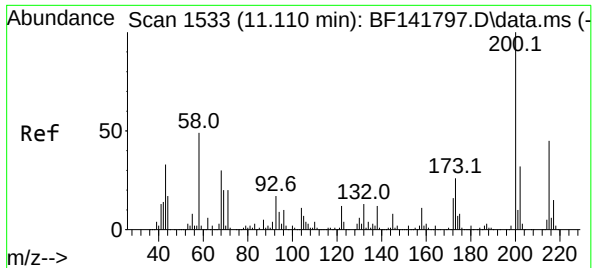
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#68
Hexachlorobenzene
Concen: 43.606 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

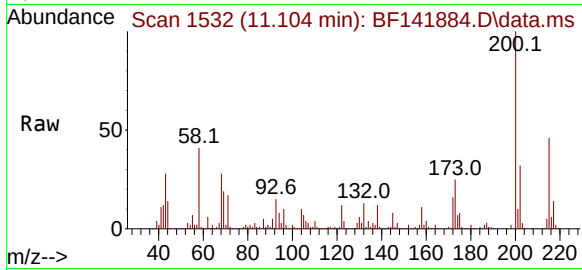
Tgt Ion:284 Resp: 392769
Ion Ratio Lower Upper
284 100
142 32.3 28.2 42.2
249 31.9 25.5 38.3





#69
Atrazine
Concen: 58.418 ng
RT: 11.104 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

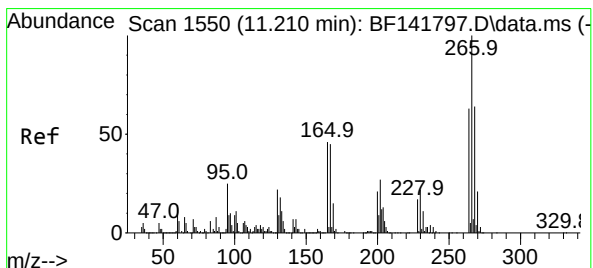
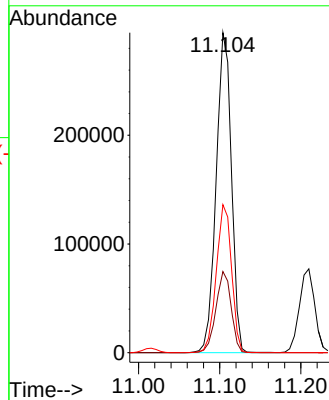
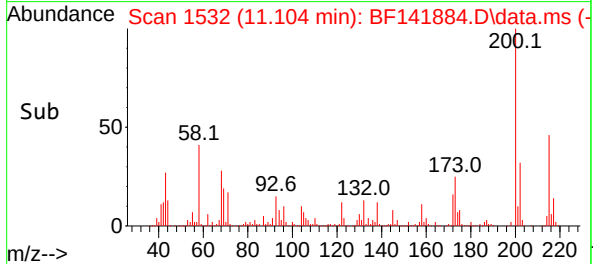
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:200 Resp: 385225
Ion Ratio Lower Upper
200 100
173 25.3 5.6 45.6
215 46.3 25.3 65.3

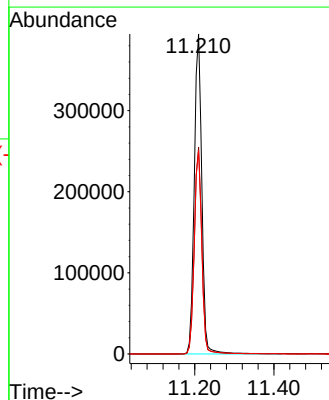
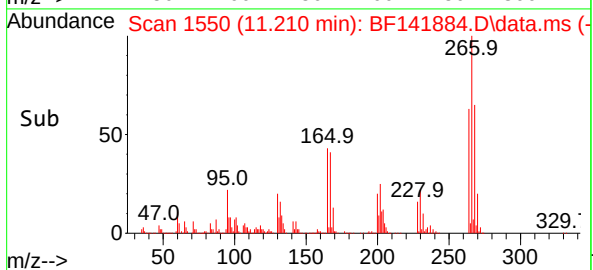
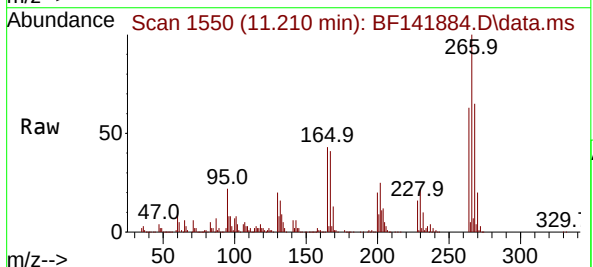
Manual Integrations
APPROVED

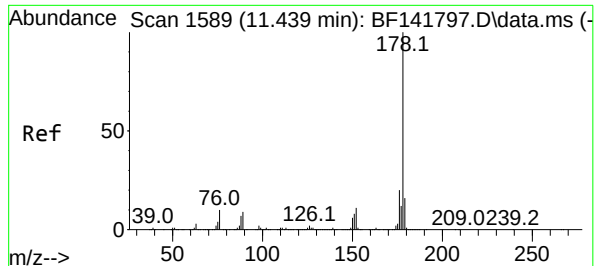
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#70
Pentachlorophenol
Concen: 91.729 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:266 Resp: 524021
Ion Ratio Lower Upper
266 100
268 64.7 50.9 76.3
264 63.5 50.2 75.4





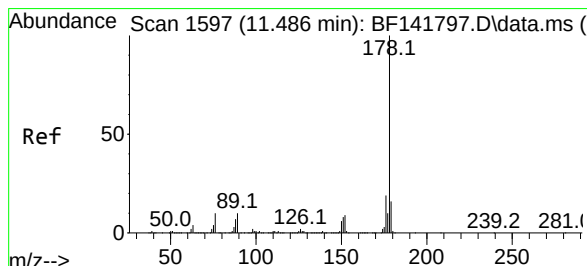
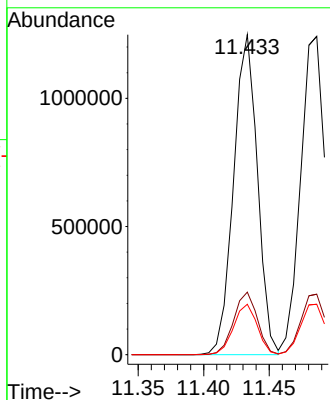
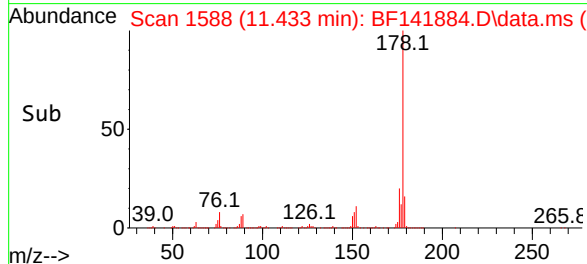
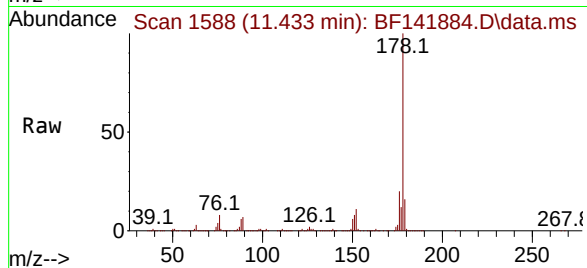
#71
Phenanthrene
Concen: 40.510 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Tgt Ion:178 Resp: 1582418
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.8 12.6 19.0

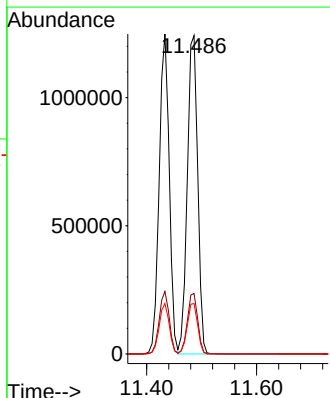
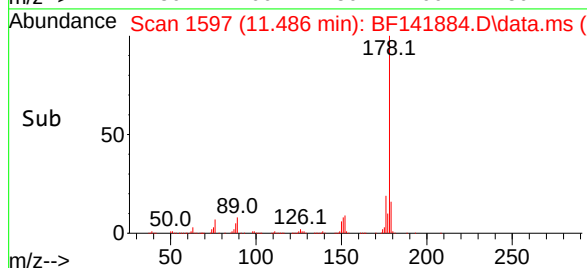
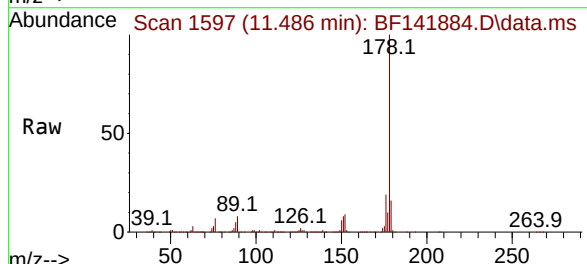
Manual Integrations
APPROVED

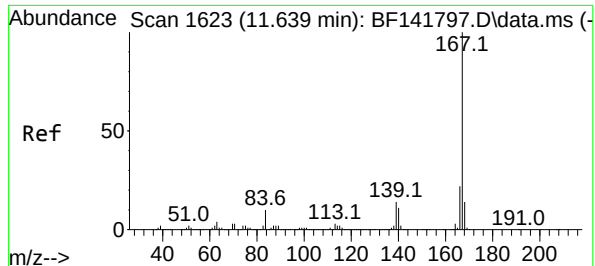
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#72
Anthracene
Concen: 41.521 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

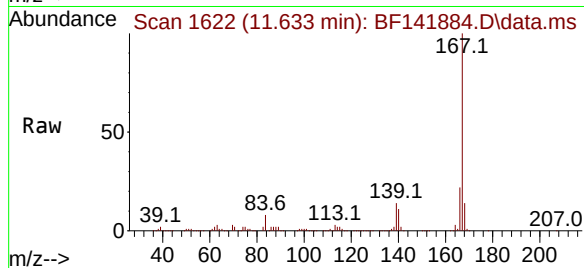
Tgt Ion:178 Resp: 1625497
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.8 19.2





#73
Carbazole
Concen: 42.025 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

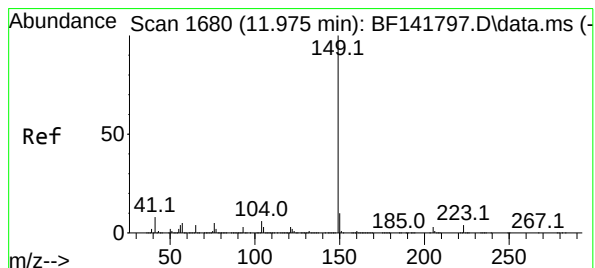
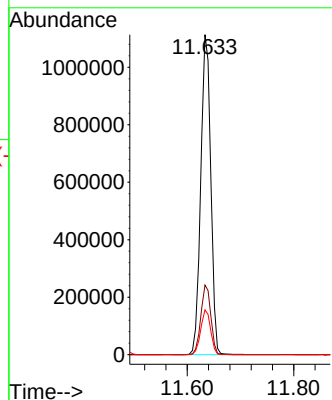
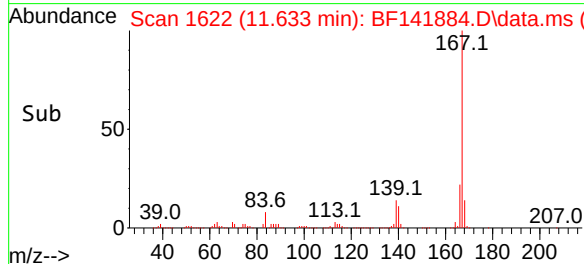
Instrument :
BNA_F
ClientSampleId :
PB167016BS



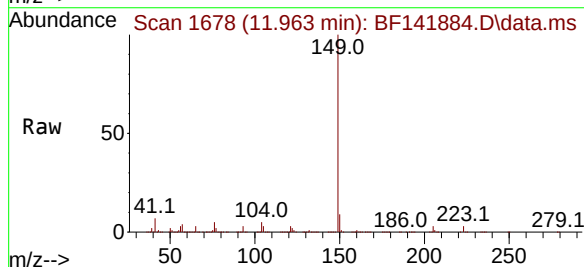
Tgt Ion:167 Resp: 145286
Ion Ratio Lower Upper
167 100
166 21.7 17.5 26.3
139 14.0 11.3 16.9

Manual Integrations
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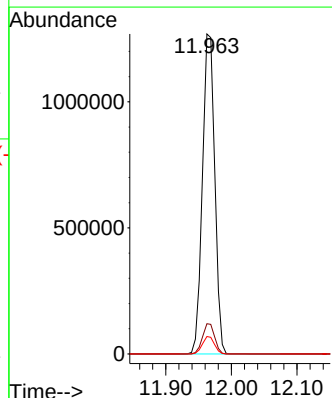
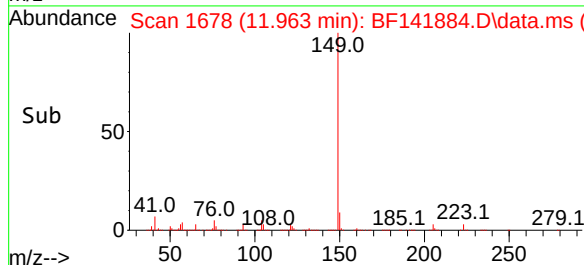
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

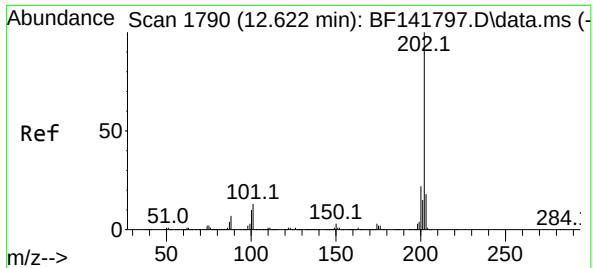


#74
Di-n-butylphthalate
Concen: 37.949 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



Tgt Ion:149 Resp: 1663012
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 5.4 4.4 6.6





#75

Fluoranthene

Concen: 42.761 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:202 Resp: 171152

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.8

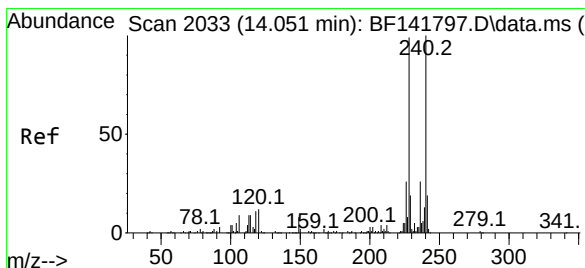
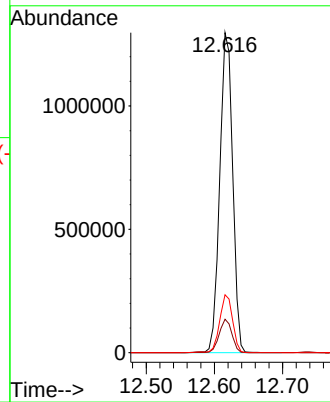
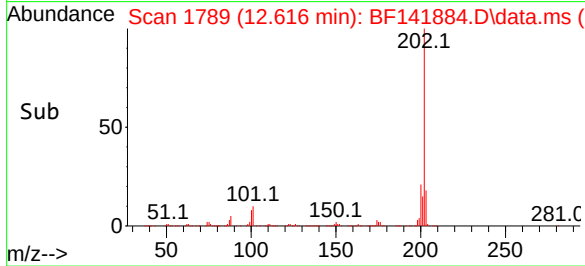
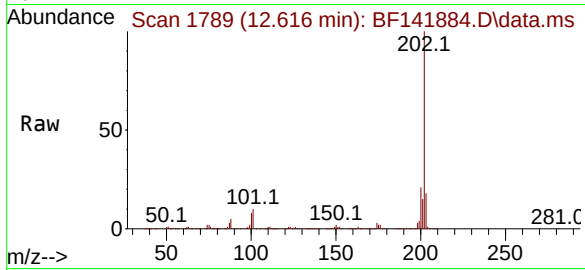
203 18.1 0.0 38.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

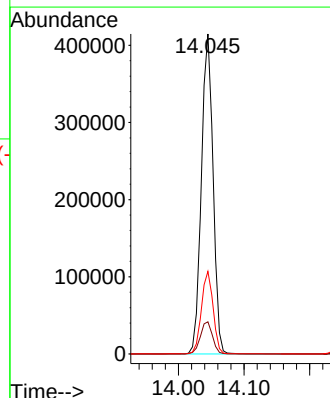
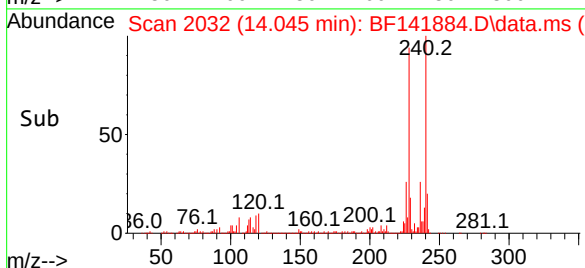
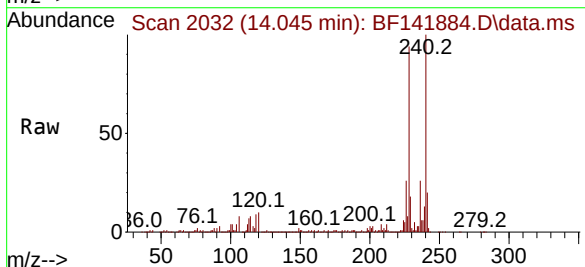
Tgt Ion:240 Resp: 514866

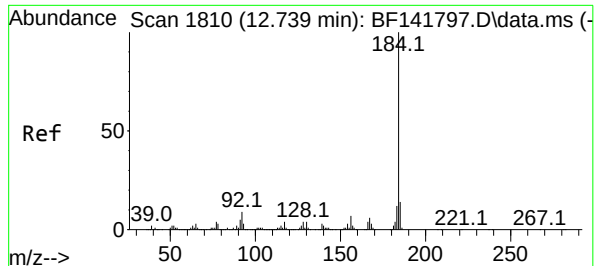
Ion Ratio Lower Upper

240 100

120 10.1 9.7 14.5

236 25.8 21.0 31.4





#77

Benzidine

Concen: 94.985 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:184 Resp: 61553

Ion Ratio Lower Upper

184 100

185 14.5 11.6 17.4

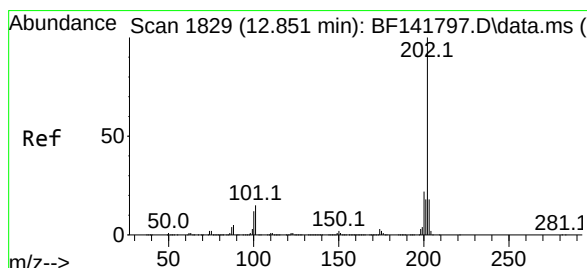
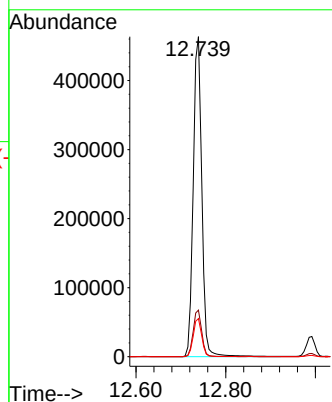
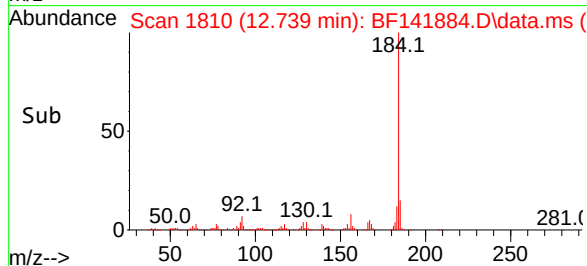
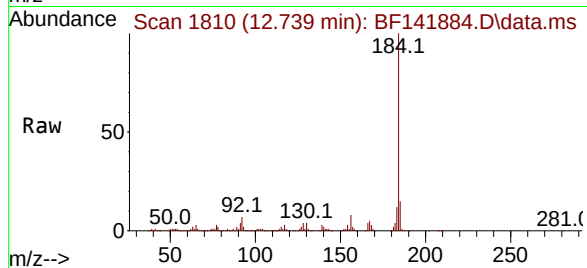
183 11.9 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#78

Pyrene

Concen: 39.011 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

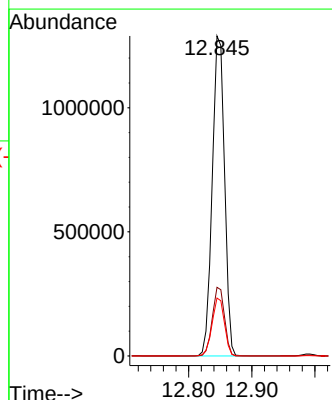
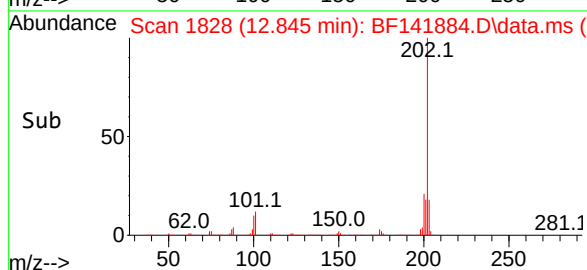
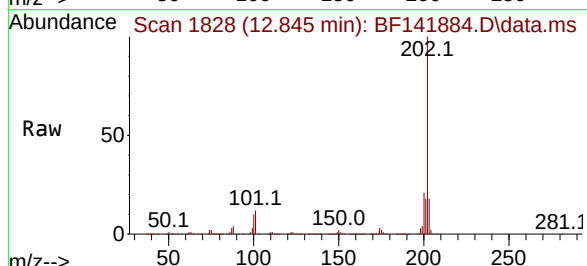
Tgt Ion:202 Resp: 1739277

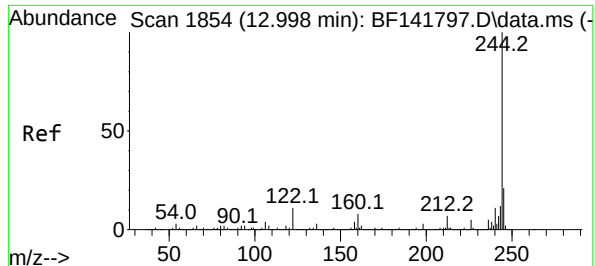
Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.0

203 18.1 14.6 22.0





#79

Terphenyl-d14

Concen: 88.480 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF141884.D

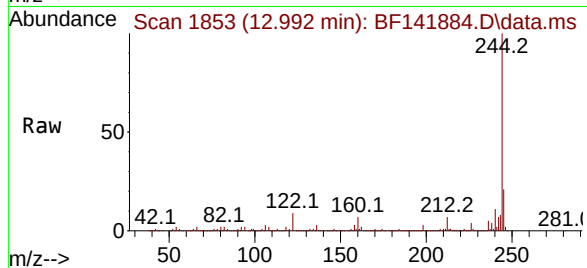
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



Tgt Ion:244 Resp: 281566

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

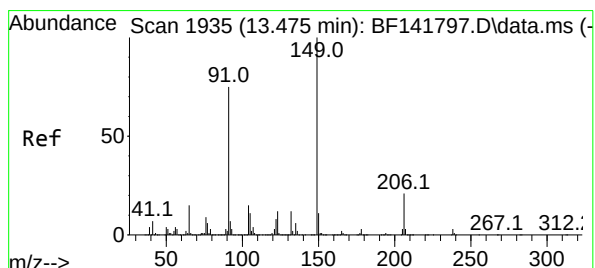
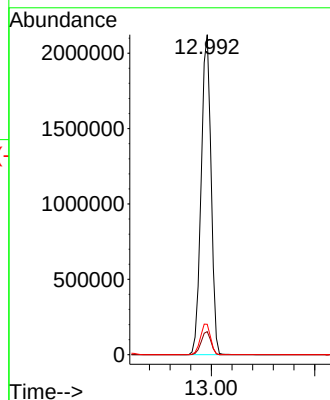
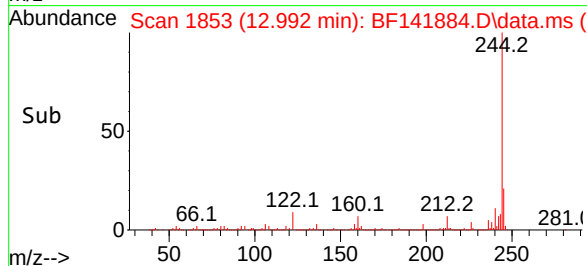
122 9.5 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#80

Butylbenzylphthalate

Concen: 41.543 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

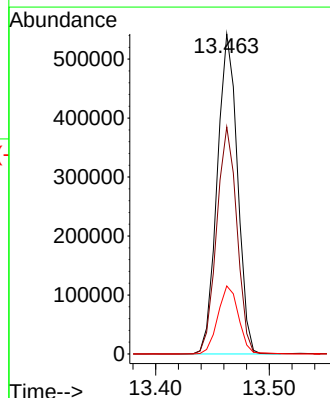
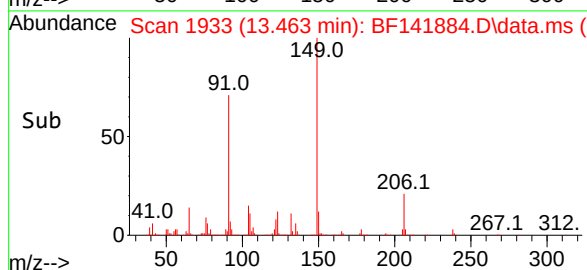
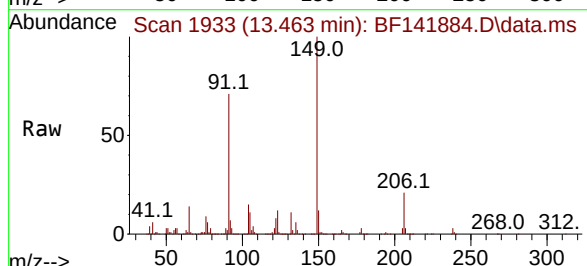
Tgt Ion:149 Resp: 672937

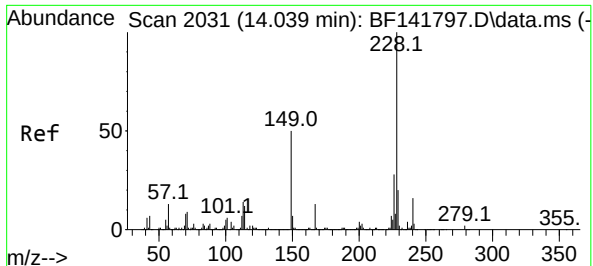
Ion Ratio Lower Upper

149 100

91 70.9 60.1 90.1

206 21.3 16.8 25.2





#81

Benzo(a)anthracene

Concen: 40.743 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:228 Resp: 138557

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

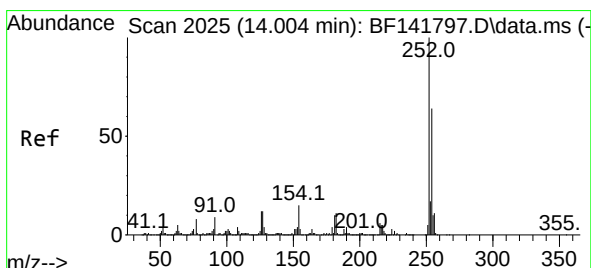
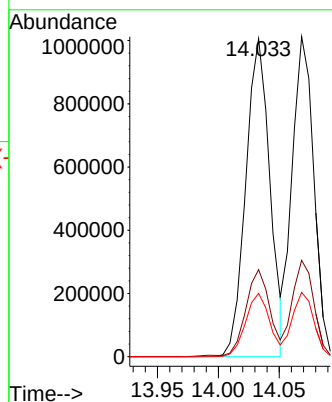
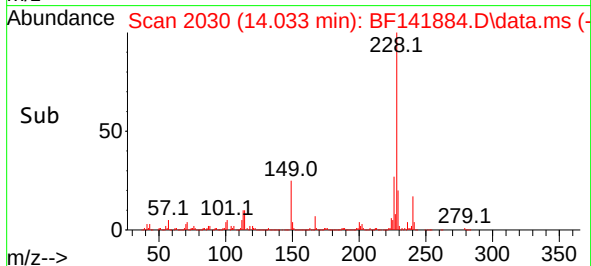
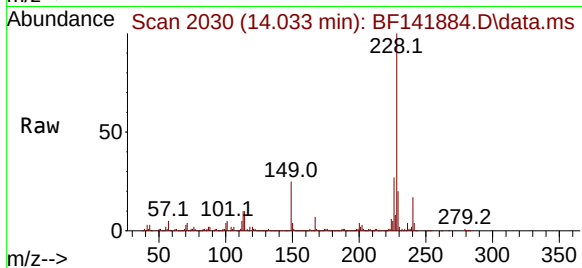
229 19.9 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#82

3,3'-Dichlorobenzidine

Concen: 29.118 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

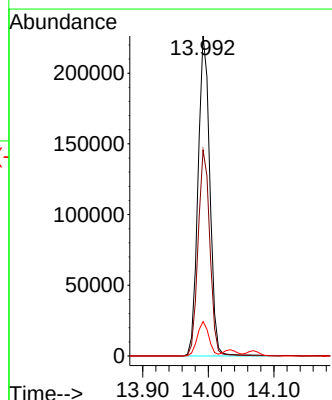
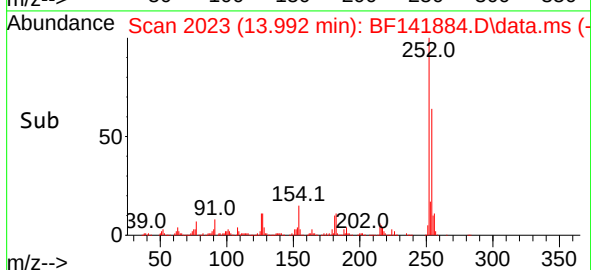
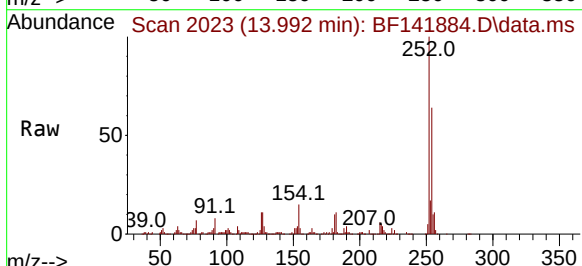
Tgt Ion:252 Resp: 284105

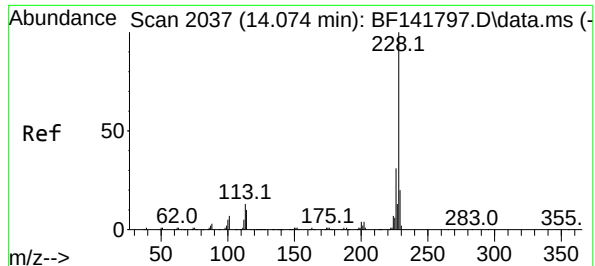
Ion Ratio Lower Upper

252 100

254 64.3 51.4 77.0

126 10.7 9.8 14.6





#83

Chrysene

Concen: 39.986 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:228 Resp: 1253518

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

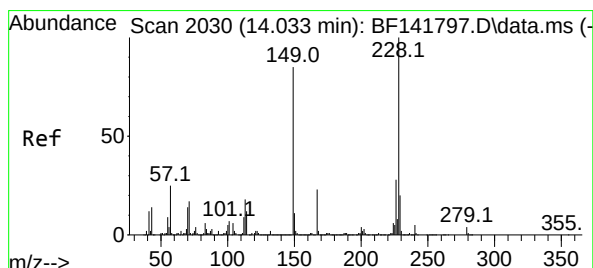
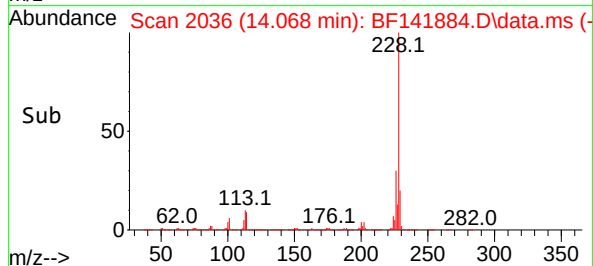
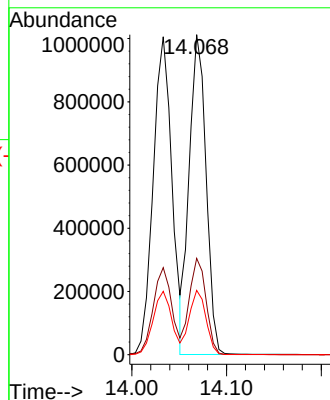
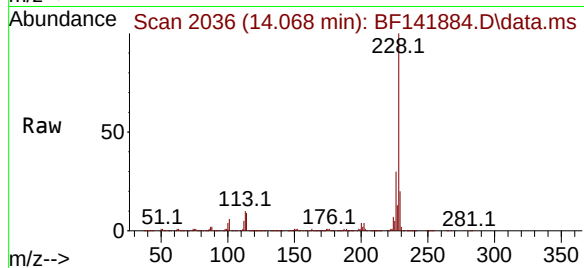
229 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.277 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

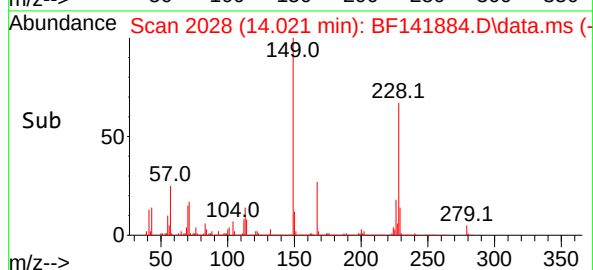
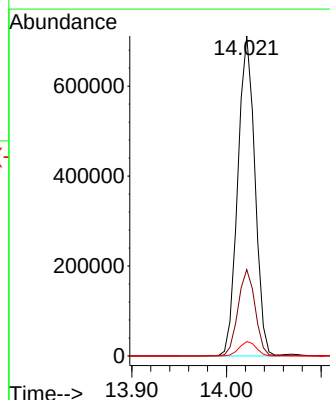
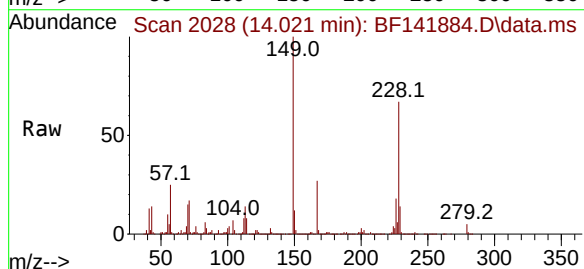
Tgt Ion:149 Resp: 893053

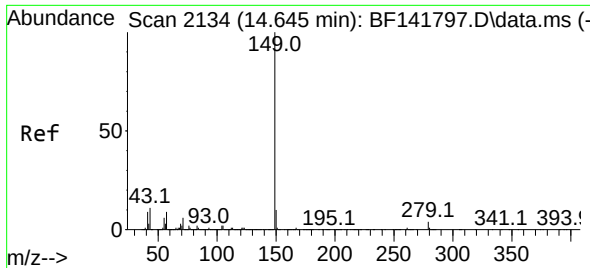
Ion Ratio Lower Upper

149 100

167 27.0 21.2 31.8

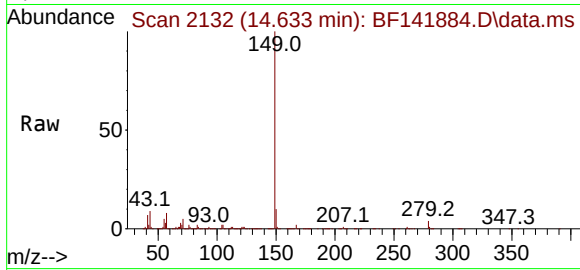
279 4.5 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 41.468 ng
RT: 14.633 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

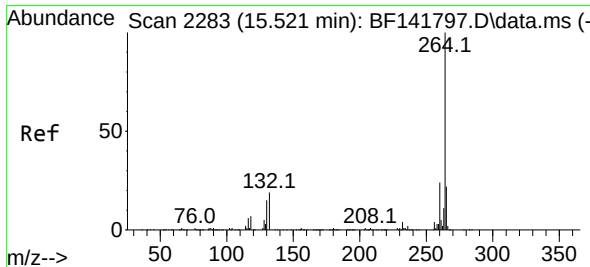
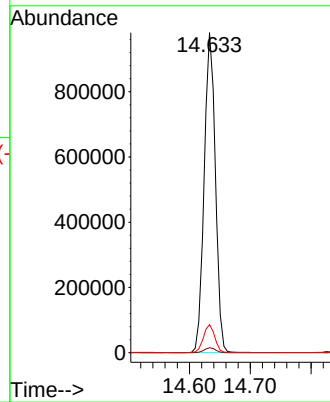
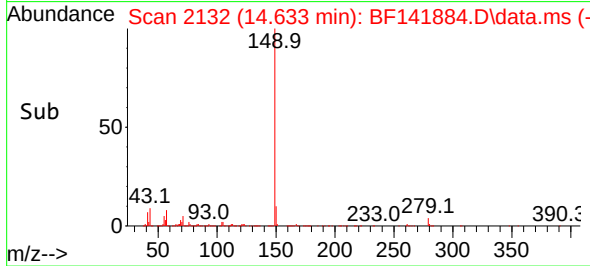
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:149 Resp: 125216
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.8 8.6 12.8

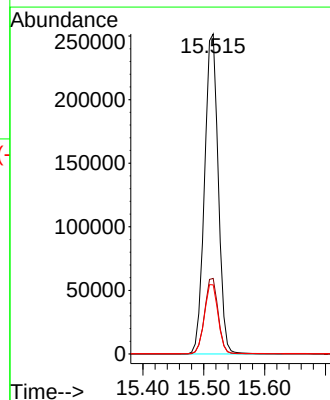
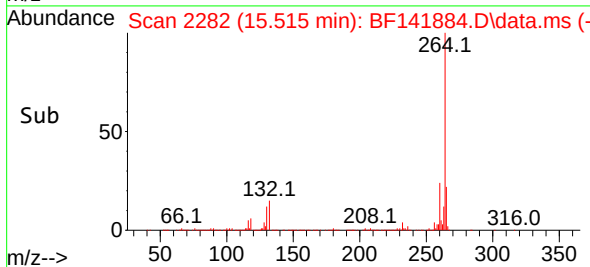
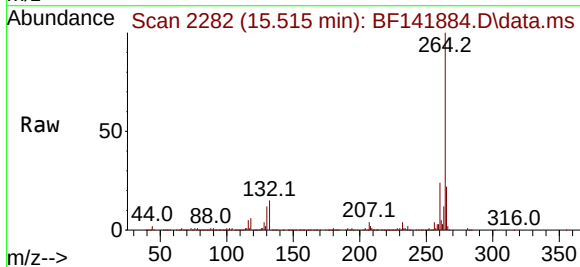
Manual Integrations
APPROVED

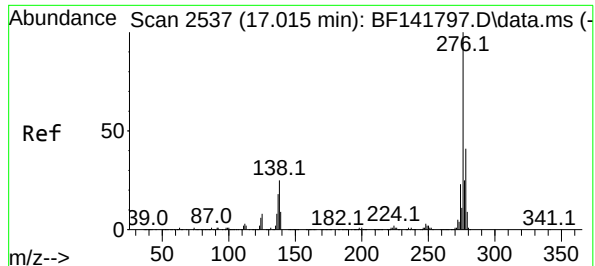
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:264 Resp: 393279
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.133 ng

RT: 17.003 min Scan# 2108

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:276 Resp: 108017

Ion Ratio Lower Upper

276 100

138 23.3 22.5 33.7

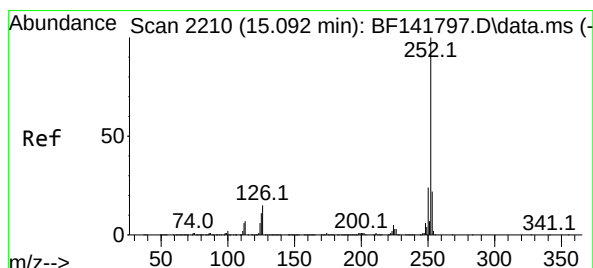
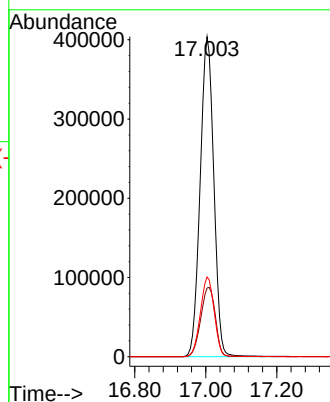
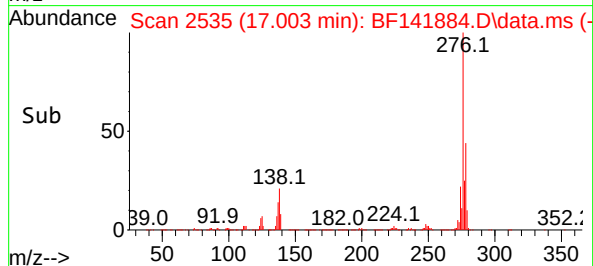
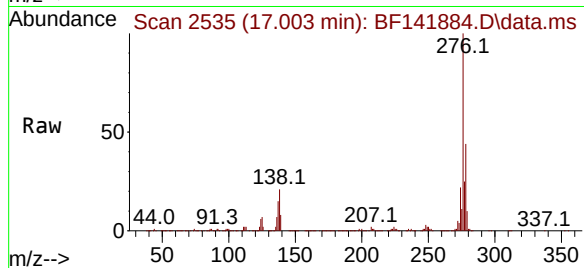
277 25.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#88

Benzo(b)fluoranthene

Concen: 41.430 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

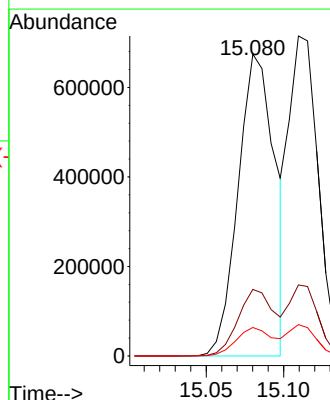
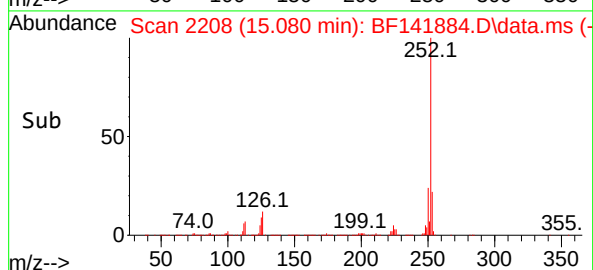
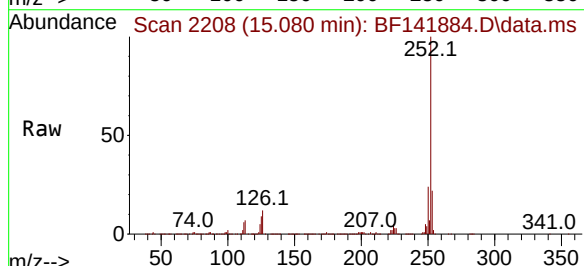
Tgt Ion:252 Resp: 1109885

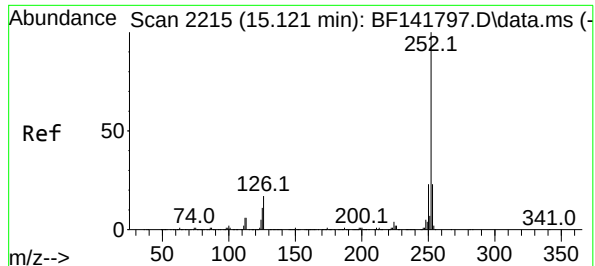
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 41.371 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:252 Resp: 94200

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

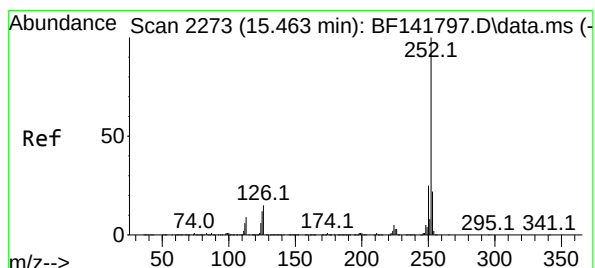
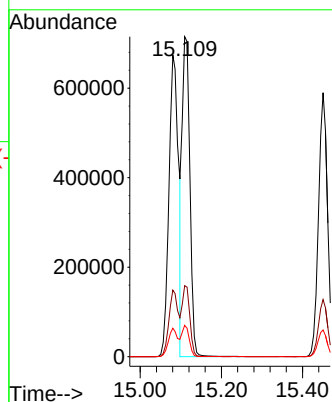
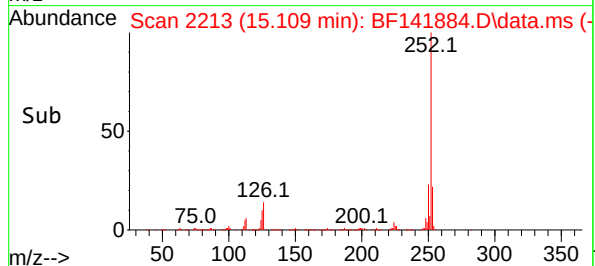
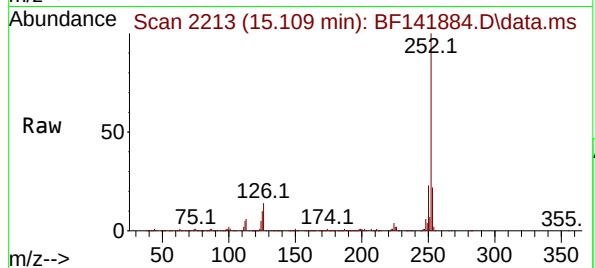
125 9.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#90

Benzo(a)pyrene

Concen: 42.095 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

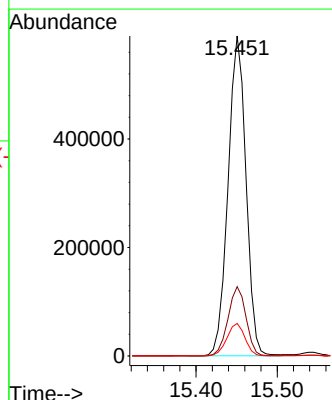
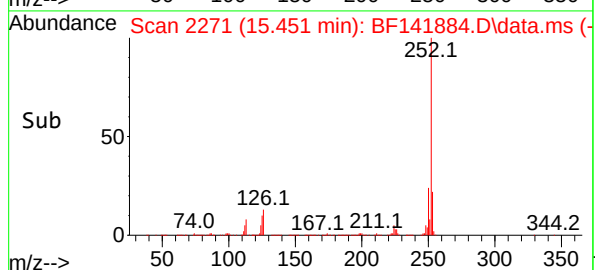
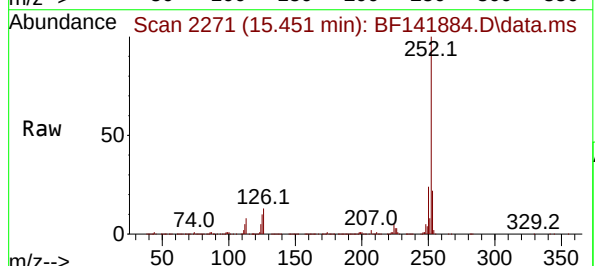
Tgt Ion:252 Resp: 904383

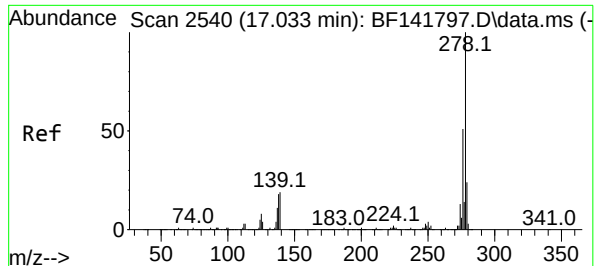
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

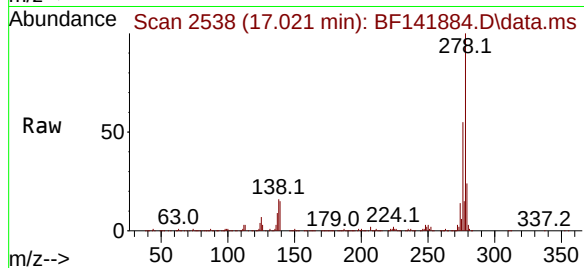
125 10.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 42.683 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

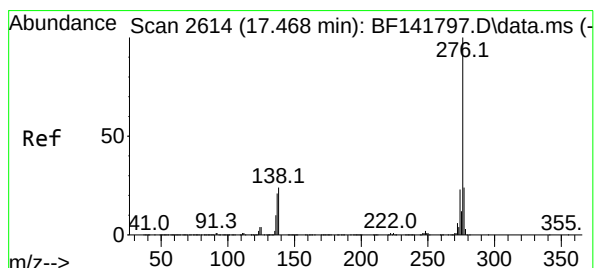
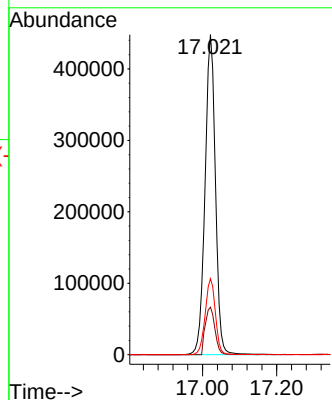
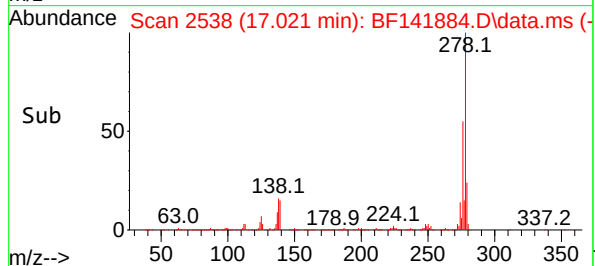
Instrument :
BNA_F
ClientSampleId :
PB167016BS



Tgt Ion:278 Resp: 872509
Ion Ratio Lower Upper
278 100
139 14.9 14.9 22.3
279 23.8 19.3 28.9

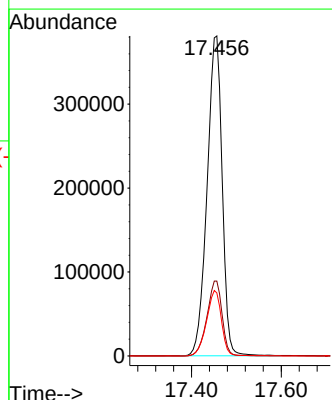
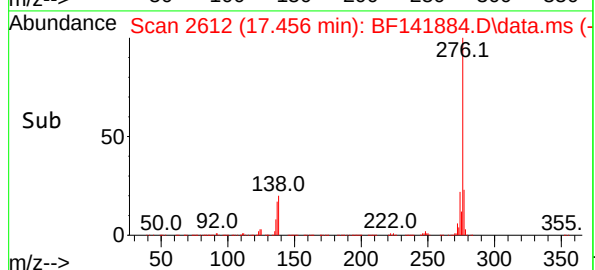
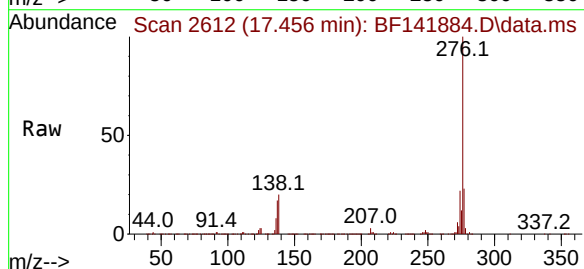
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 42.445 ng
RT: 17.456 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:276 Resp: 888869
Ion Ratio Lower Upper
276 100
277 23.4 19.4 29.0
138 19.7 19.3 28.9



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MS	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MS	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
BF141887.D	1	03/05/25 13:00	03/07/25 11:29	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	250		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	350		8.40	50.0	ug/L
95-48-7	2-Methylphenol	440		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	460		11.5	100	ug/L
67-72-1	Hexachloroethane	340		10.1	50.0	ug/L
98-95-3	Nitrobenzene	460		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	410		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	490		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	620		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	132		15 (10) - 110 (134)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	117		30 (49) - 130 (133)	117%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	207	*	15 (44) - 110 (137)	138%	SPK: 150
1718-51-0	Terphenyl-d14	87.8		30 (48) - 130 (125)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145000		6.887		
1146-65-2	Naphthalene-d8	568000		8.163		
15067-26-2	Acenaphthene-d10	313000		9.922		
1517-22-2	Phenanthrene-d10	556000		11.404		
1719-03-5	Chrysene-d12	435000		14.045		
1520-96-3	Perylene-d12	344000		15.51		



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MS	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MS	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
BF141887.D	1	03/05/25 13:00	03/07/25 11:29	PB167016

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\BF030725\
 Data File : BF141887.D
 Acq On : 07 Mar 2025 11:29
 Operator : RC/JU
 Sample : Q1478-13MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-COMP-022825MS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 12:00:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	144619	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	567805	20.000	ng	#-0.01
39) Acenaphthene-d10	9.922	164	313240	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	556123	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	435055	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	343670	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1275062	140.802	ng	0.02
7) Phenol-d6	6.510	99	1560117	132.361	ng	0.00
23) Nitrobenzene-d5	7.446	82	1035429	116.562	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	609898	207.395	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1992152	101.976	ng	0.00
79) Terphenyl-d14	12.992	244	2359942	87.763	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.828	88	155198	37.770	ng	# 81
3) Pyridine	3.552	79	259160	25.349	ng	94
4) n-Nitrosodimethylamine	3.475	42	184647	37.536	ng	97
6) Aniline	6.551	93	171617	14.005	ng	99
8) 2-Chlorophenol	6.669	128	435569	44.463	ng	95
9) Benzaldehyde	6.440	77	77748	11.340	ng	95
10) Phenol	6.522	94	503309	39.960	ng	93
11) bis(2-Chloroethyl)ether	6.622	93	371666	38.712	ng	96
12) 1,3-Dichlorobenzene	6.828	146	366082	34.895	ng	99
13) 1,4-Dichlorobenzene	6.904	146	371799	35.173	ng	99
14) 1,2-Dichlorobenzene	7.057	146	363877	36.864	ng	99
15) Benzyl Alcohol	7.022	79	396800	42.123	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	433387	29.724	ng	93
17) 2-Methylphenol	7.128	107	353469	43.714	ng	98
18) Hexachloroethane	7.398	117	133954	33.858	ng	96
19) n-Nitroso-di-n-propyla...	7.293	70	299109	38.604	ng	99
20) 3+4-Methylphenols	7.281	107	458586	45.545	ng	95
22) Acetophenone	7.293	105	642289	46.445	ng	98
24) Nitrobenzene	7.463	77	440948	46.355	ng	99
25) Isophorone	7.704	82	825864	43.275	ng	98
26) 2-Nitrophenol	7.781	139	221747	51.787	ng	97
27) 2,4-Dimethylphenol	7.810	122	378308	53.928	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	482066	39.599	ng	100
29) 2,4-Dichlorophenol	8.016	162	379620	46.908	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	358200	40.392	ng	99
31) Naphthalene	8.187	128	1190686	40.801	ng	99
32) Benzoic acid	7.916	122	243052	42.551	ng	99
33) 4-Chloroaniline	8.234	127	60449	5.649	ng	98
34) Hexachlorobutadiene	8.304	225	223239	40.510	ng	98
35) Caprolactam	8.592	113	116046m	46.612	ng	
36) 4-Chloro-3-methylphenol	8.710	107	434357	48.315	ng	99
37) 2-Methylnaphthalene	8.875	142	795823	41.576	ng	100
38) 1-Methylnaphthalene	8.975	142	781539	42.552	ng	100
40) 1,2,4,5-Tetrachloroben...	9.040	216	452153	49.980	ng	99
41) Hexachlorocyclopentadiene	9.028	237	543845	144.048	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	288971	49.449	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141887.D
 Acq On : 07 Mar 2025 11:29
 Operator : RC/JU
 Sample : Q1478-13MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-COMP-022825MS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 12:00:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

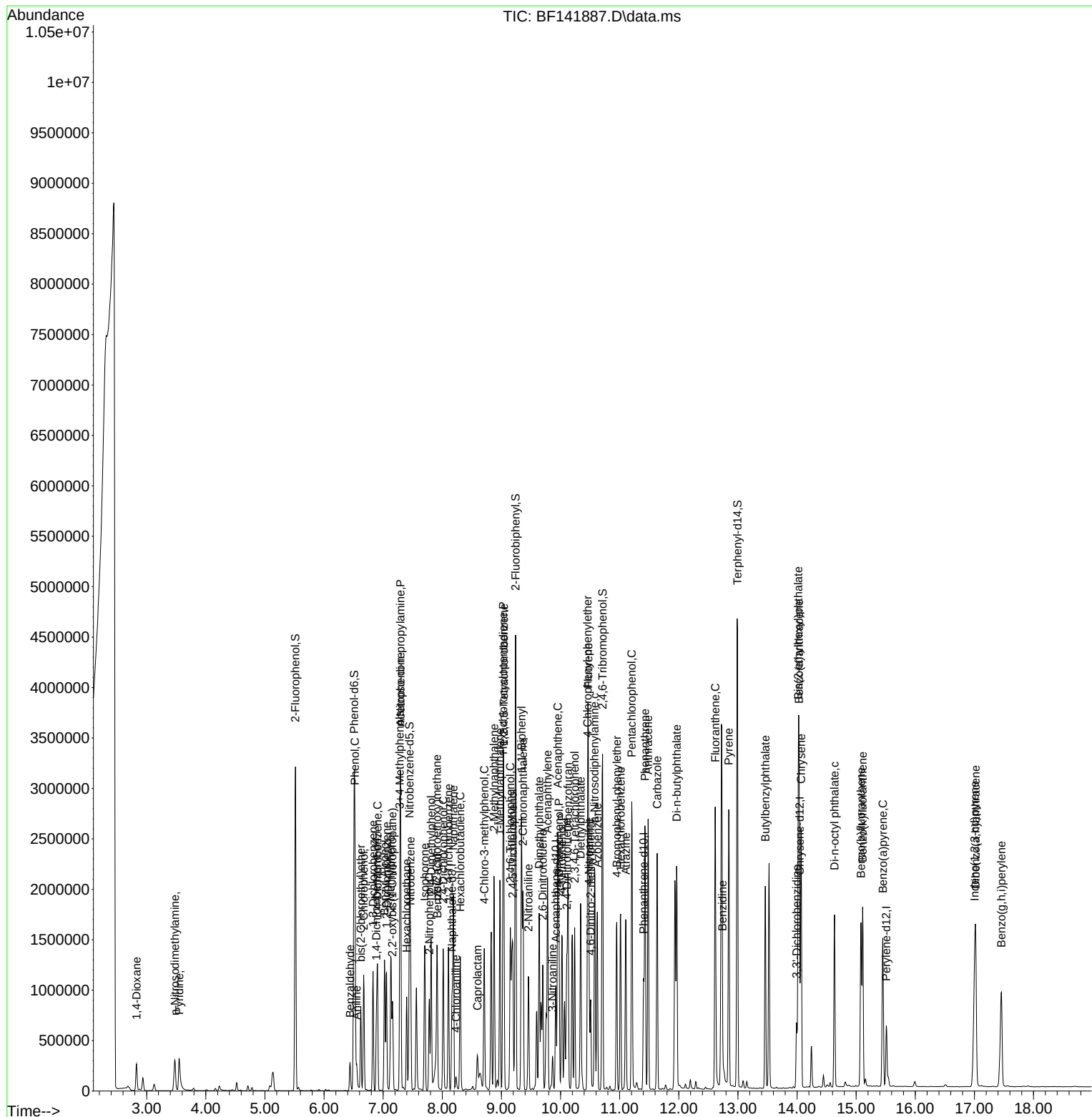
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	307214	53.090	ng	98
46) 1,1'-Biphenyl	9.339	154	1178867	49.444	ng	98
47) 2-Chloronaphthalene	9.363	162	799418	45.428	ng	100
48) 2-Nitroaniline	9.457	65	262276	53.866	ng	96
49) Acenaphthylene	9.781	152	1283508	48.647	ng	100
50) Dimethylphthalate	9.639	163	1019741	48.612	ng	99
51) 2,6-Dinitrotoluene	9.698	165	221458	54.763	ng	96
52) Acenaphthene	9.951	154	963187	54.103	ng	99
53) 3-Nitroaniline	9.863	138	73385	19.074	ng	# 96
54) 2,4-Dinitrophenol	9.975	184	264098	121.668	ng	# 1
55) Dibenzofuran	10.128	168	1164925	44.957	ng	99
56) 4-Nitrophenol	10.028	139	371749	119.989	ng	93
57) 2,4-Dinitrotoluene	10.104	165	307024	61.563	ng	94
58) Fluorene	10.469	166	932790	48.058	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	270250	53.698	ng	99
60) Diethylphthalate	10.339	149	992053	47.175	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	467270	48.049	ng	98
62) 4-Nitroaniline	10.481	138	218738	61.060	ng	95
63) Azobenzene	10.622	77	916211	41.379	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	170000	62.051	ng	90
66) n-Nitrosodiphenylamine	10.575	169	808274	44.262	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	301247	46.376	ng	97
68) Hexachlorobenzene	11.016	284	344761	50.262	ng	95
69) Atrazine	11.104	200	310084	61.748	ng	99
70) Pentachlorophenol	11.204	266	467144	107.379	ng	99
71) Phenanthrene	11.428	178	1423703	47.860	ng	99
72) Anthracene	11.481	178	1463911	49.103	ng	99
73) Carbazole	11.633	167	1292951	49.111	ng	100
74) Di-n-butylphthalate	11.963	149	1517925	45.485	ng	100
75) Fluoranthene	12.616	202	1558398	51.127	ng	97
77) Benzidine	12.739	184	83121	15.180	ng	# 38
78) Pyrene	12.845	202	1580372	41.950	ng	99
80) Butylbenzylphthalate	13.463	149	636995	46.538	ng	96
81) Benzo(a)anthracene	14.033	228	1383197	48.134	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	181968	22.071	ng	99
83) Chrysene	14.069	228	1222618	46.155	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	809701	47.509	ng	100
85) Di-n-octyl phthalate	14.633	149	1170567	45.877	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.004	276	1137163	51.964	ng	# 94
88) Benzo(b)fluoranthene	15.080	252	1121801	47.920	ng	98
89) Benzo(k)fluoranthene	15.110	252	882903	44.373	ng	98
90) Benzo(a)pyrene	15.451	252	933380	49.716	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	919901	51.498	ng	# 95
92) Benzo(g,h,i)perylene	17.457	276	892265	48.758	ng	# 94

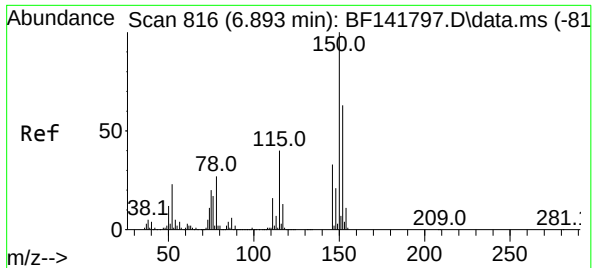
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS

Manual Integrations APPROVED

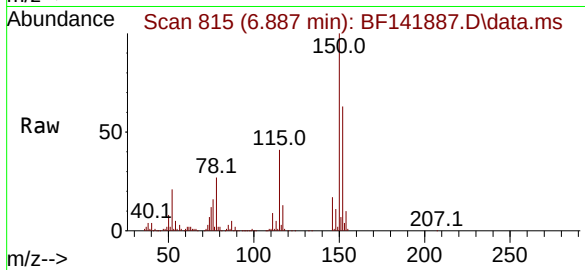
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jaqrut Upadhyay 03/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

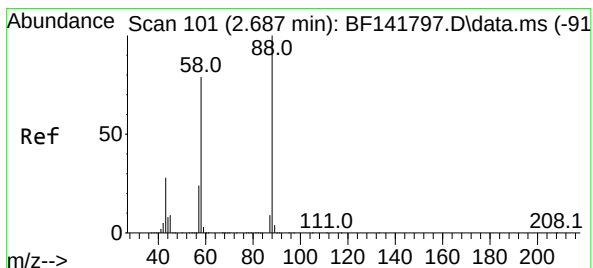
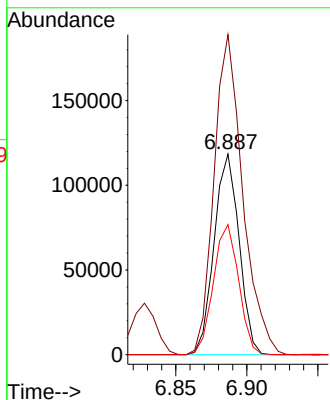
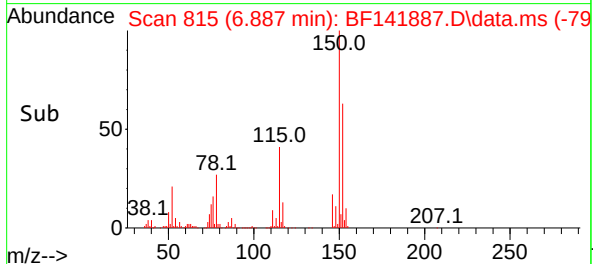
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



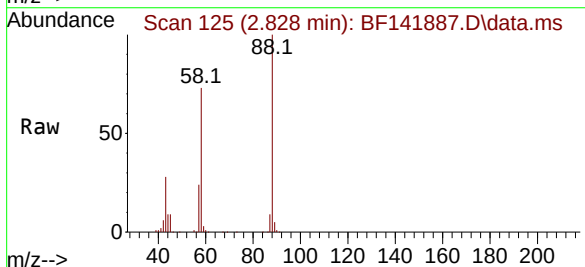
Tgt Ion:152 Resp: 144619
Ion Ratio Lower Upper
152 100
150 159.6 127.5 191.3
115 64.9 51.4 77.2

Manual Integrations
APPROVED

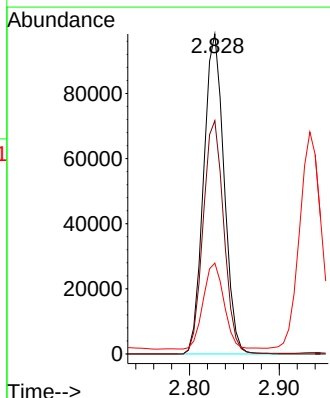
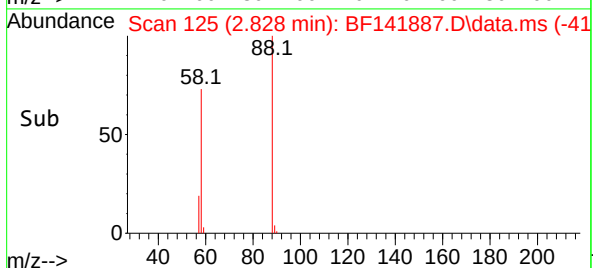
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

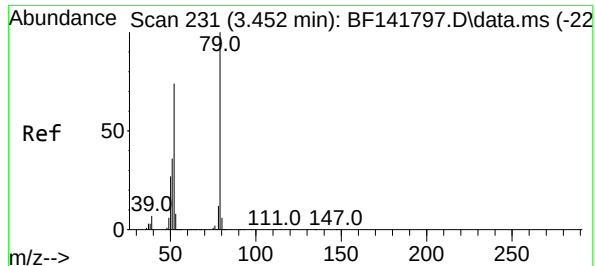


#2
1,4-Dioxane
Concen: 37.770 ng
RT: 2.828 min Scan# 125
Delta R.T. 0.141 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29



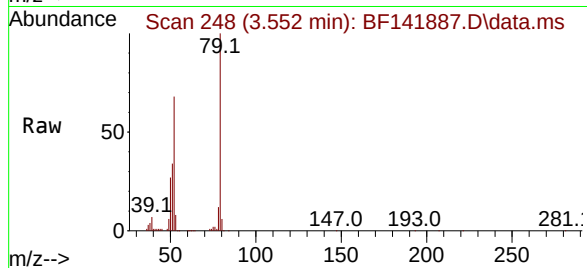
Tgt Ion: 88 Resp: 155198
Ion Ratio Lower Upper
88 100
58 74.0 63.9 95.9
43 0.0 23.0 34.6#





#3
Pyridine
Concen: 25.349 ng
RT: 3.552 min Scan# 248
Delta R.T. 0.095 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

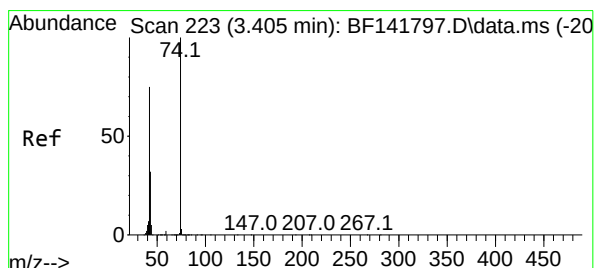
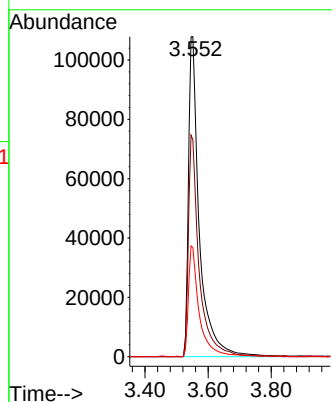
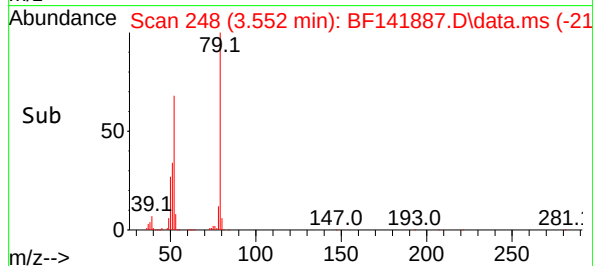
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion: 79 Resp: 259160
Ion Ratio Lower Upper
79 100
52 67.8 59.0 88.4
51 34.1 29.0 43.4

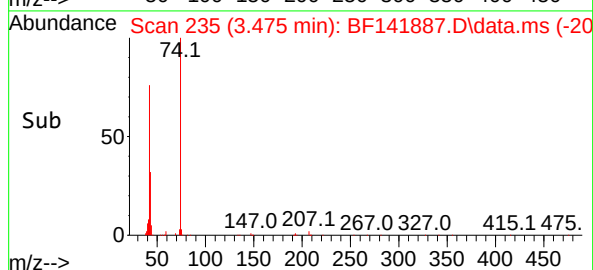
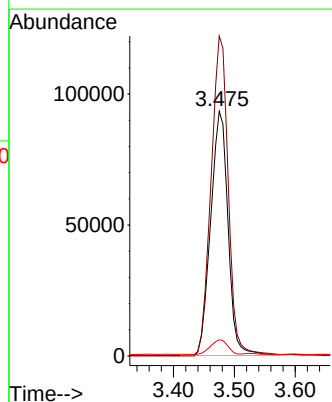
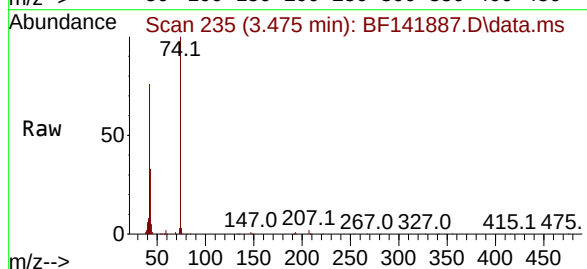
Manual Integrations
APPROVED

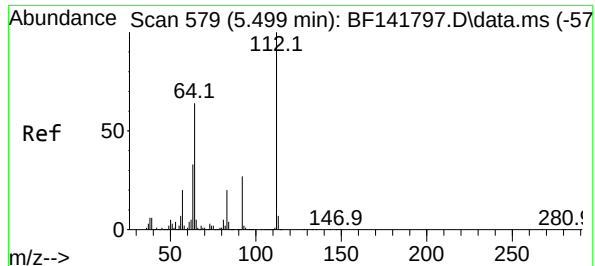
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#4
n-Nitrosodimethylamine
Concen: 37.536 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.071 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion: 42 Resp: 184647
Ion Ratio Lower Upper
42 100
74 130.8 107.1 160.7
44 6.6 6.6 9.8





#5

2-Fluorophenol

Concen: 140.802 ng

RT: 5.516 min Scan# 51

Delta R.T. 0.018 min

Lab File: BF141887.D

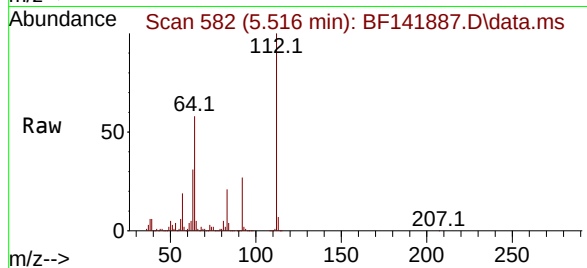
Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS



Tgt Ion:112 Resp: 127506

Ion Ratio Lower Upper

112 100

64 57.7 51.3 76.9

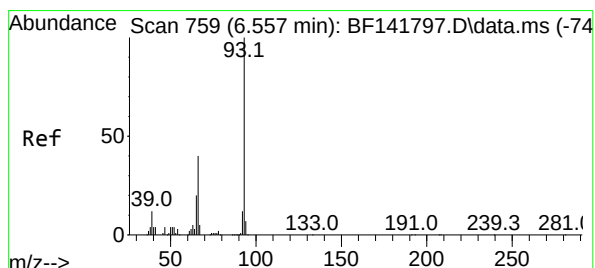
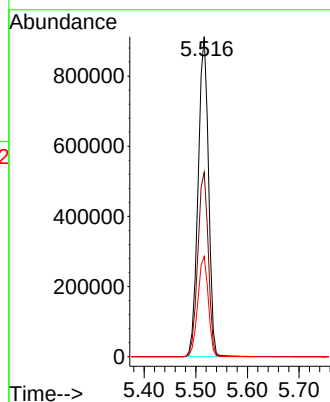
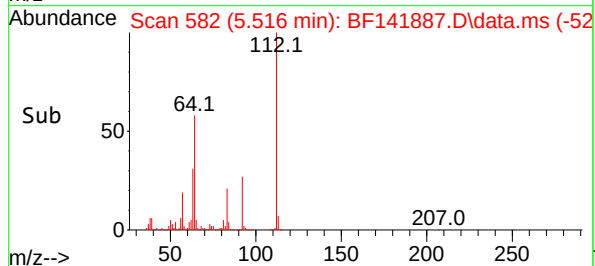
63 31.3 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#6

Aniline

Concen: 14.005 ng

RT: 6.551 min Scan# 758

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

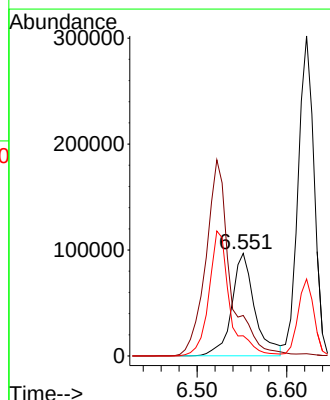
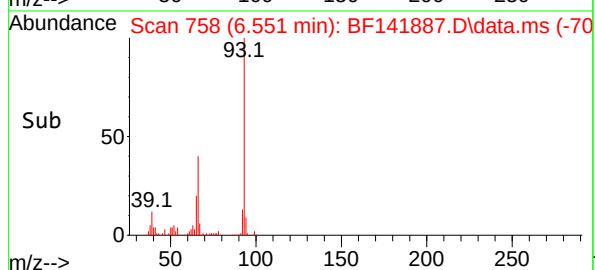
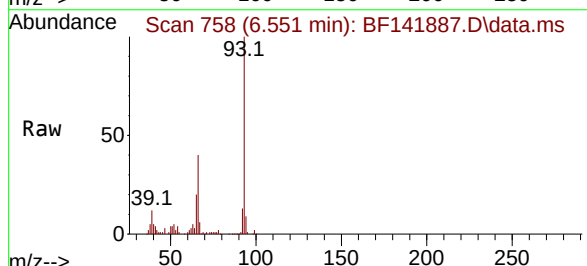
Tgt Ion: 93 Resp: 171617

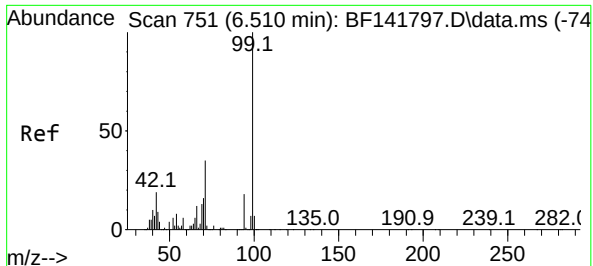
Ion Ratio Lower Upper

93 100

66 39.5 32.3 48.5

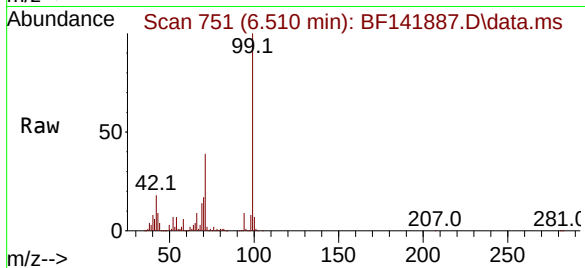
65 19.7 15.9 23.9





#7
Phenol-d6
Concen: 132.361 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

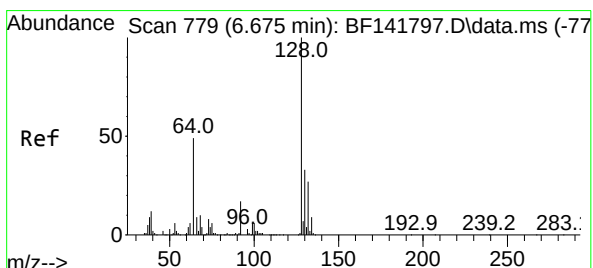
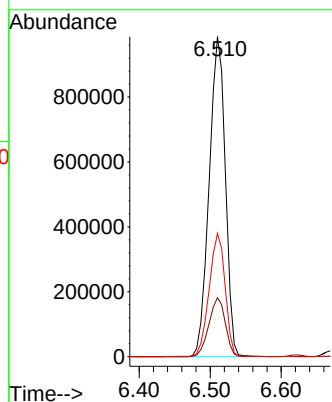
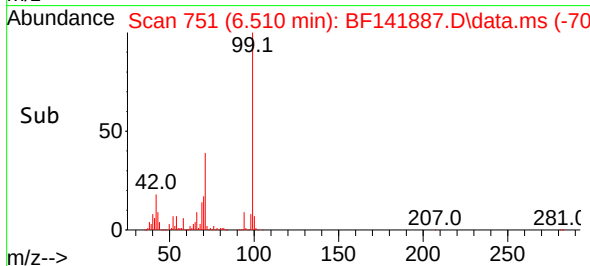
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



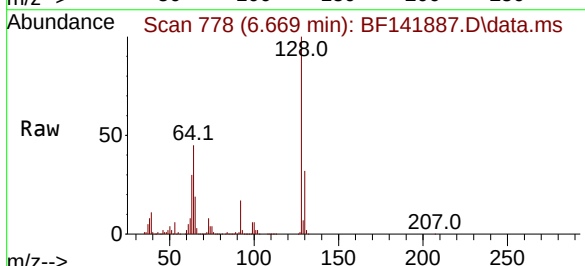
Tgt Ion: 99 Resp: 156011
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 38.5 28.2 42.2

Manual Integrations
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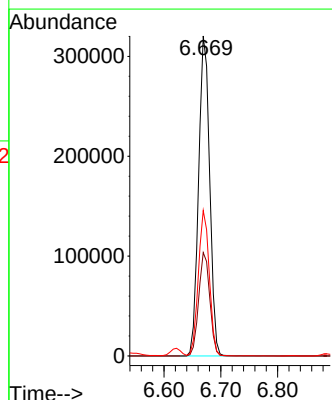
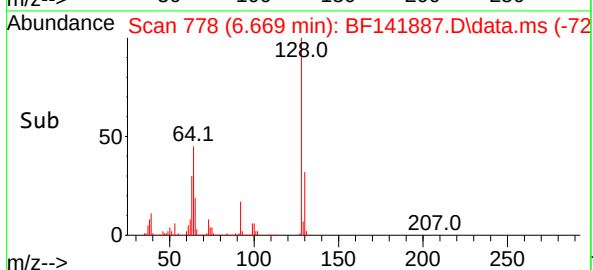
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

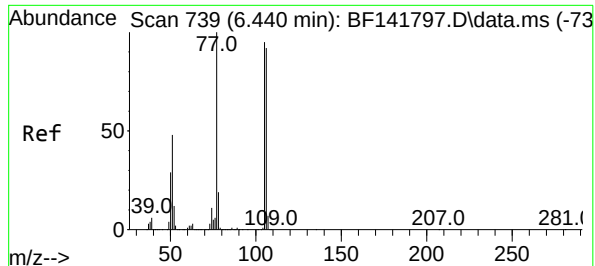


#8
2-Chlorophenol
Concen: 44.463 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29



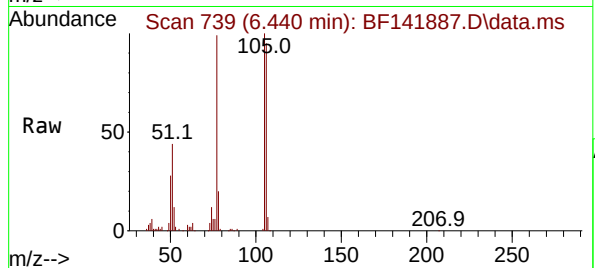
Tgt Ion:128 Resp: 435569
Ion Ratio Lower Upper
128 100
130 32.3 12.6 52.6
64 45.5 31.1 71.1





#9
Benzaldehyde
Concen: 11.340 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

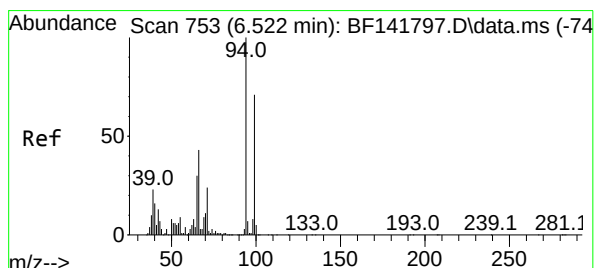
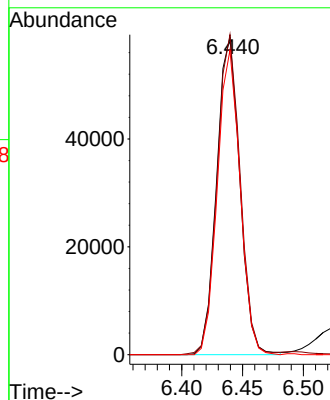
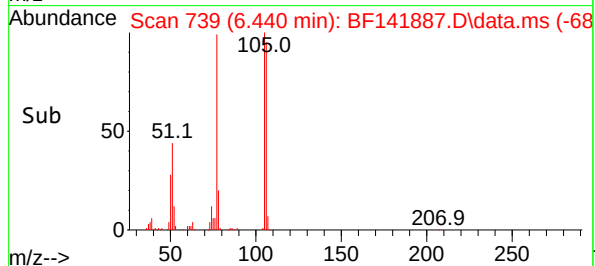
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion: 77 Resp: 77748
Ion Ratio Lower Upper
77 100
105 100.7 75.3 115.3
106 95.9 72.3 112.3

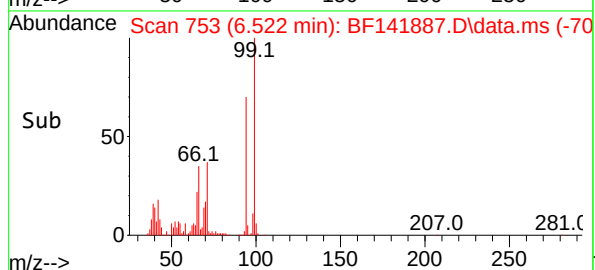
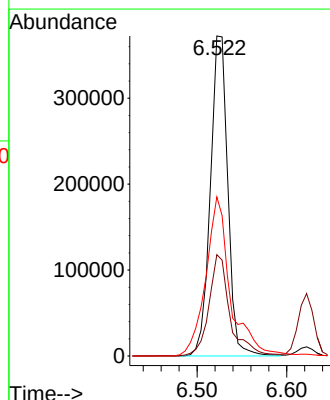
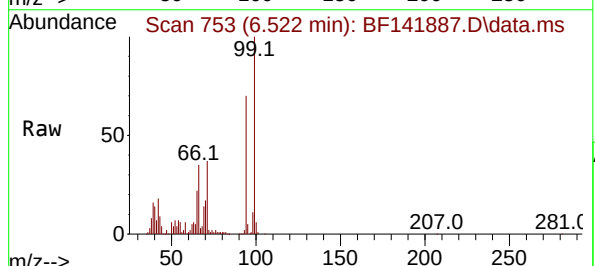
Manual Integrations
APPROVED

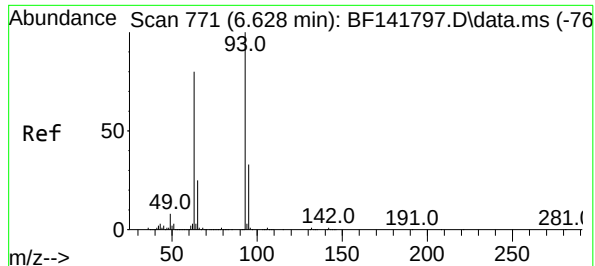
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#10
Phenol
Concen: 39.960 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

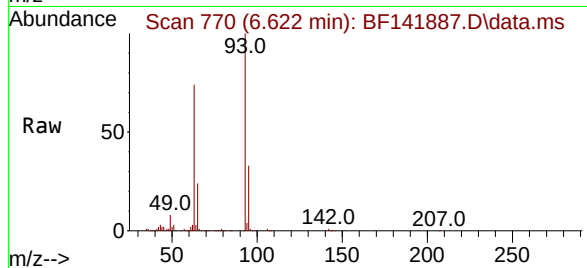
Tgt Ion: 94 Resp: 503309
Ion Ratio Lower Upper
94 100
65 31.7 10.2 50.2
66 49.7 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 38.712 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

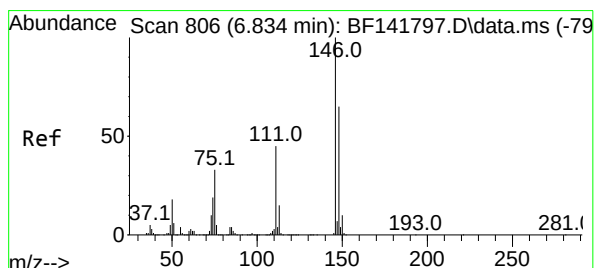
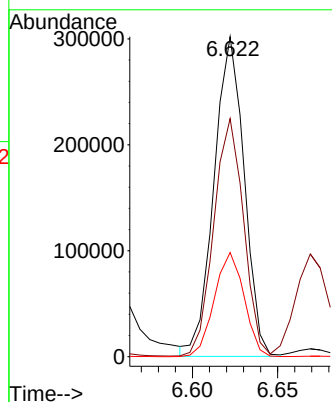
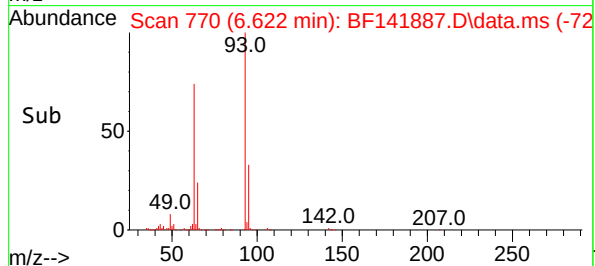
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion: 93 Resp: 371660
Ion Ratio Lower Upper
93 100
63 74.4 59.3 99.3
95 32.6 13.2 53.2

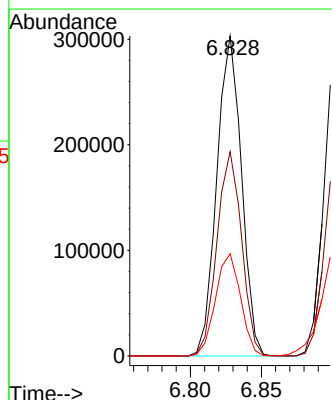
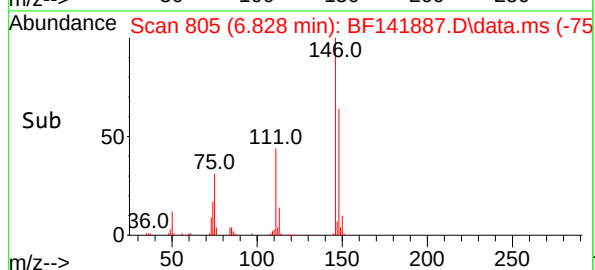
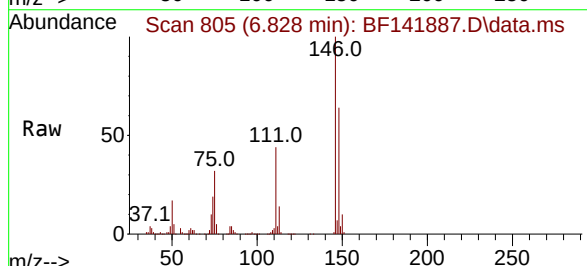
Manual Integrations
APPROVED

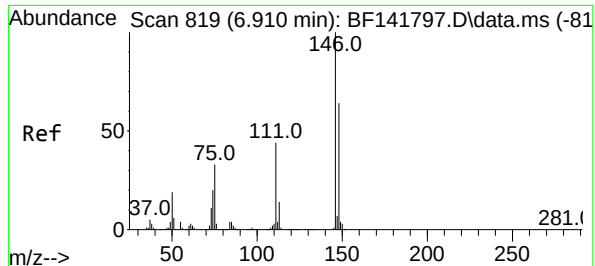
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#12
1,3-Dichlorobenzene
Concen: 34.895 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:146 Resp: 366082
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.6
75 32.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 35.173 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:146 Resp: 371799

Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.2

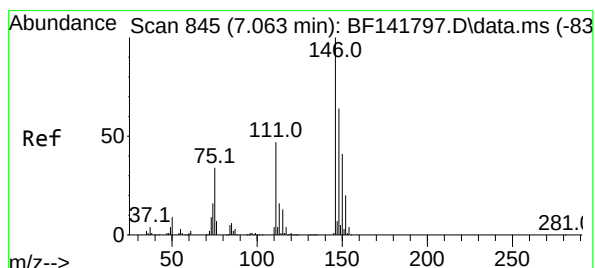
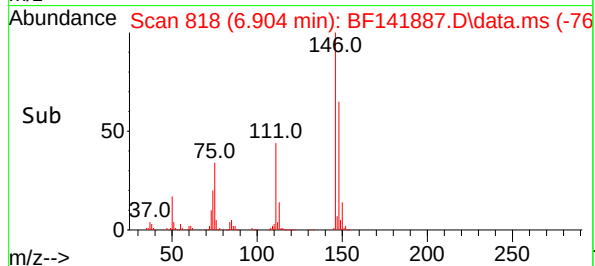
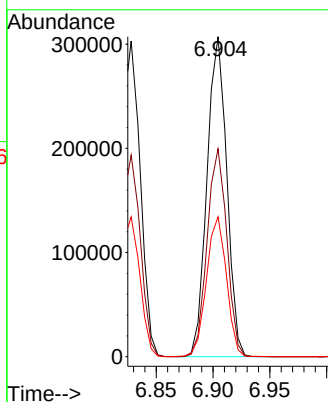
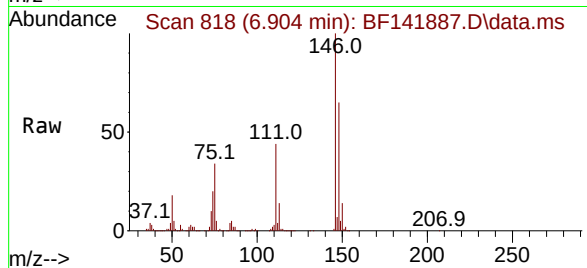
111 43.7 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#14

1,2-Dichlorobenzene

Concen: 36.864 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

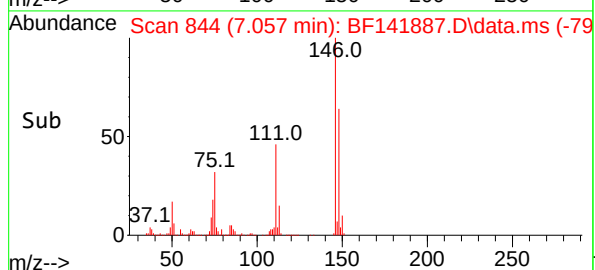
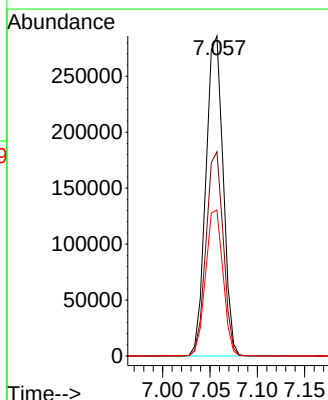
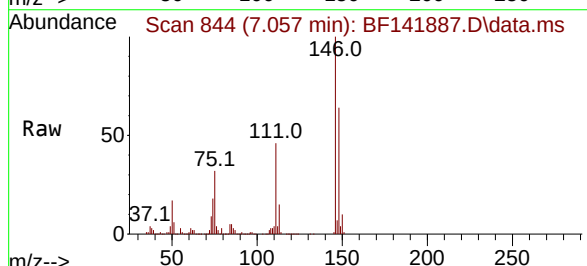
Tgt Ion:146 Resp: 363877

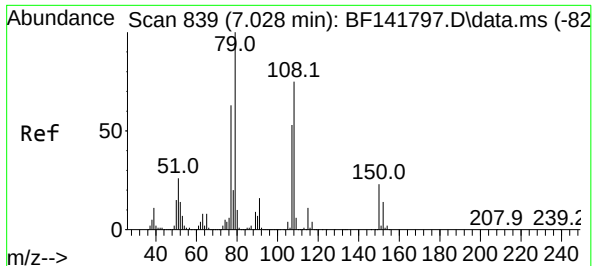
Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 45.6 37.8 56.6





#15

Benzyl Alcohol

Concen: 42.123 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion: 79 Resp: 396800

Ion Ratio Lower Upper

79 100

108 73.3 60.2 90.2

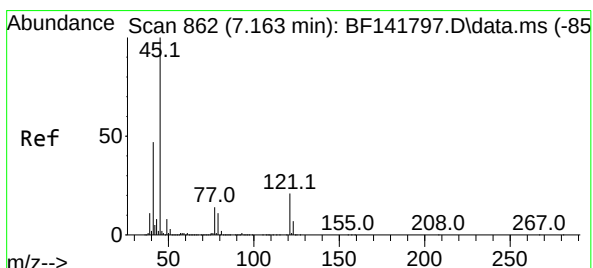
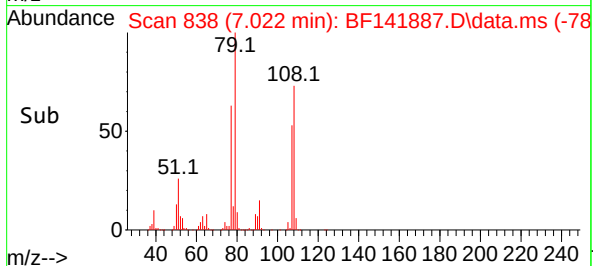
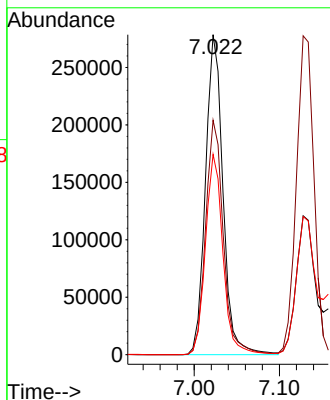
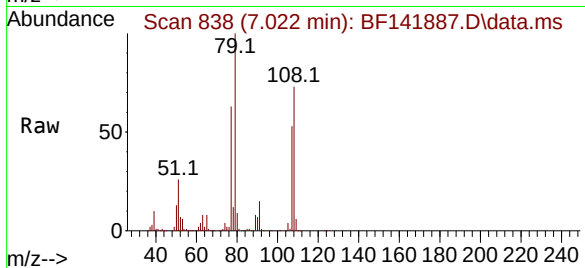
77 62.6 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.724 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

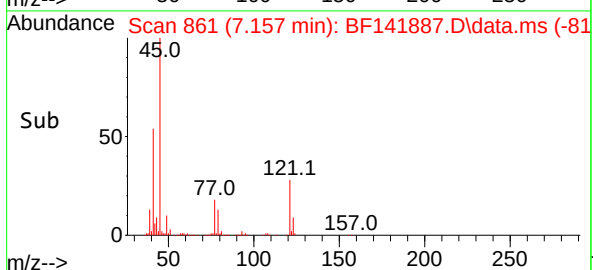
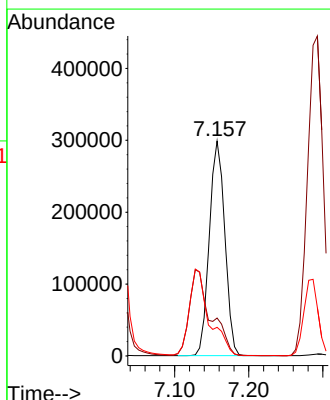
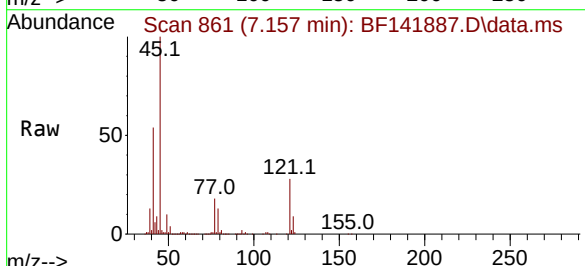
Tgt Ion: 45 Resp: 433387

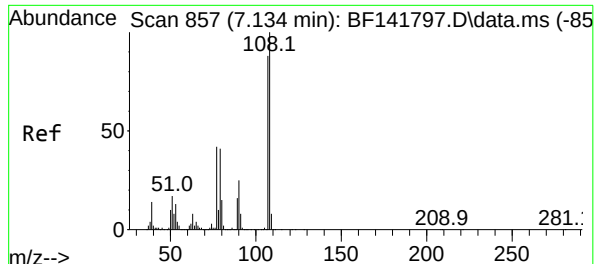
Ion Ratio Lower Upper

45 100

77 17.6 0.0 34.4

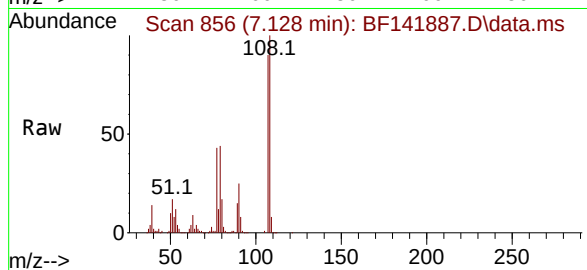
79 13.4 0.0 30.9





#17
2-Methylphenol
Concen: 43.714 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

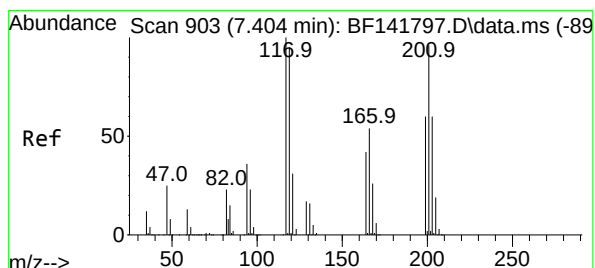
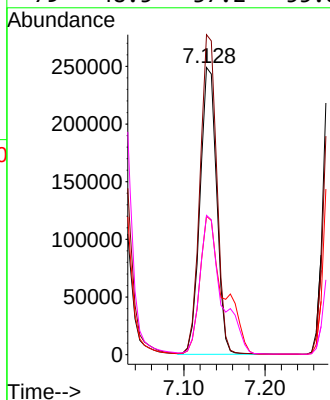
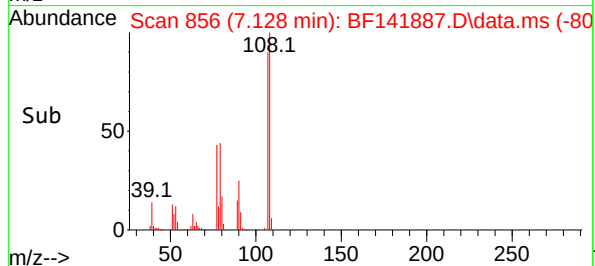
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:107 Resp: 353469
Ion Ratio Lower Upper
107 100
108 111.4 90.6 135.8
77 48.3 37.7 56.5
79 48.5 37.2 55.8

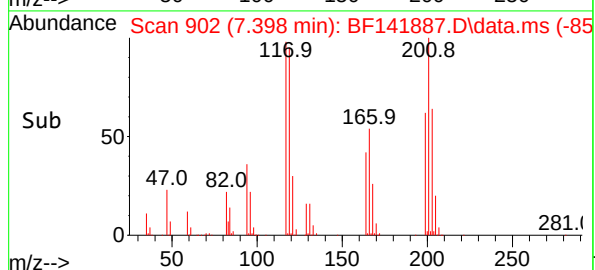
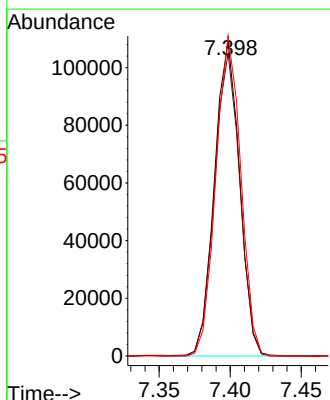
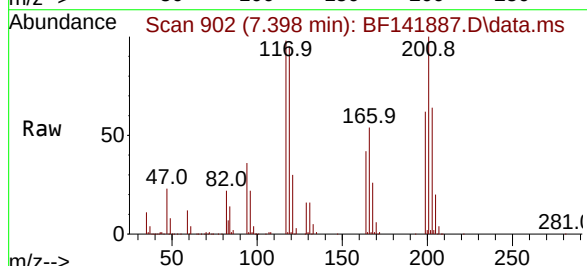
Manual Integrations
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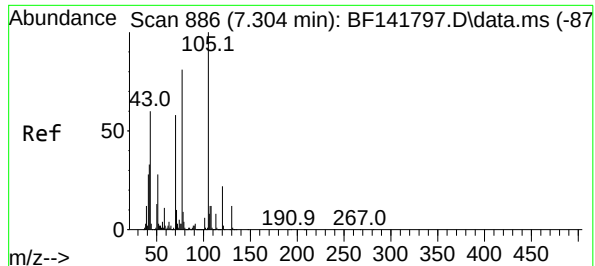
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#18
Hexachloroethane
Concen: 33.858 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:117 Resp: 133954
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8
201 101.9 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 38.604 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF141887.D

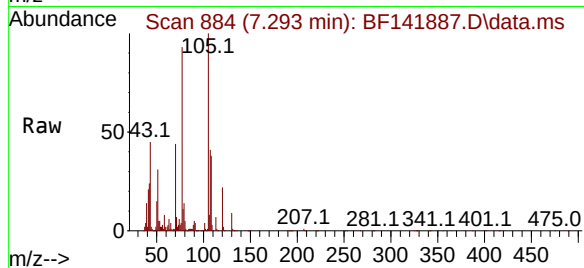
Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS



Tgt Ion: 70 Resp: 299109

Ion Ratio Lower Upper

70 100

42 55.5 45.4 68.0

101 9.7 7.8 11.8

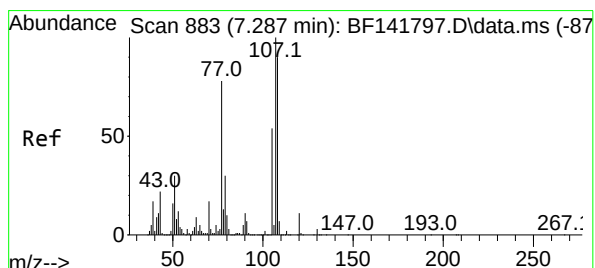
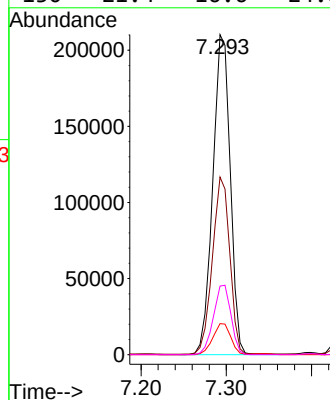
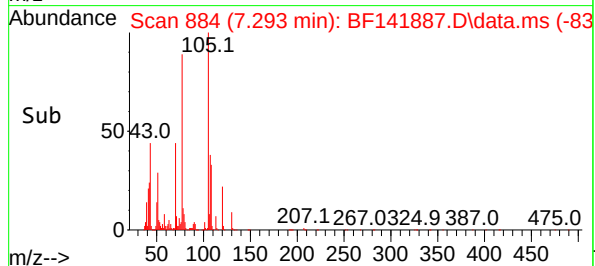
130 21.4 16.6 24.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#20

3+4-Methylphenols

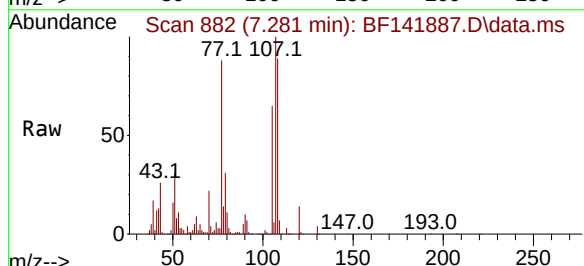
Concen: 45.545 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29



Tgt Ion:107 Resp: 458586

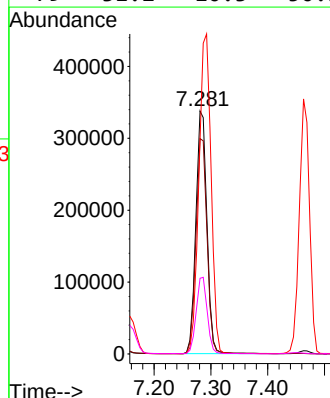
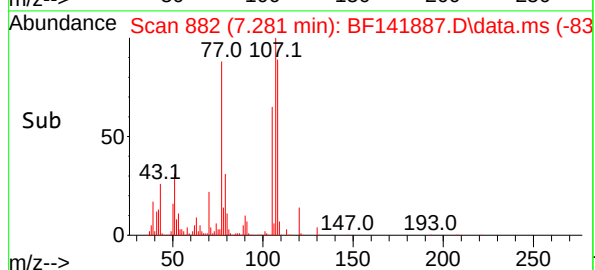
Ion Ratio Lower Upper

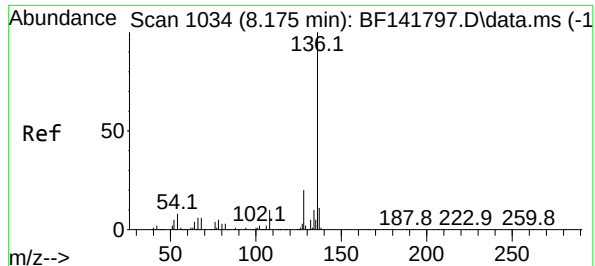
107 100

108 88.7 69.7 109.7

77 87.9 58.3 98.3

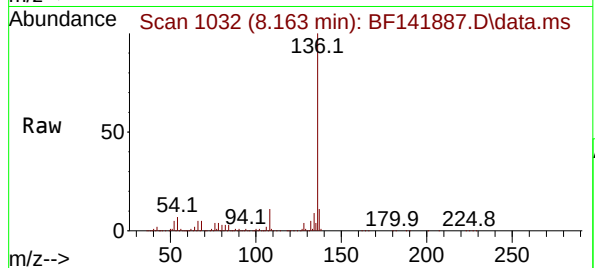
79 31.2 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

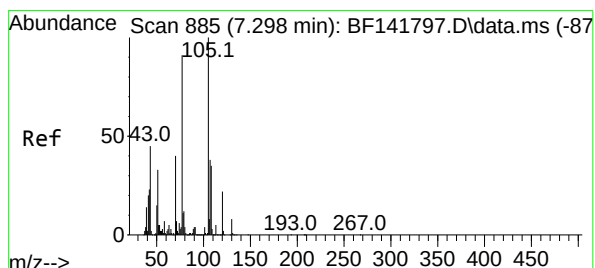
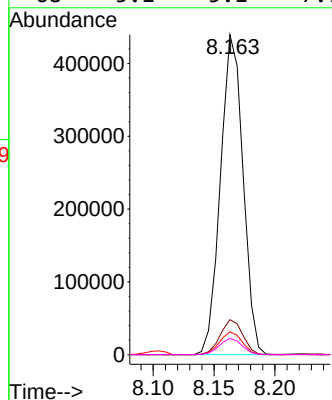
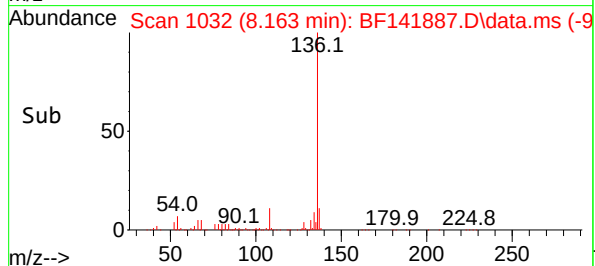
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:136 Resp: 56780
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.2 6.9 10.3
68 5.1 5.1 7.7#

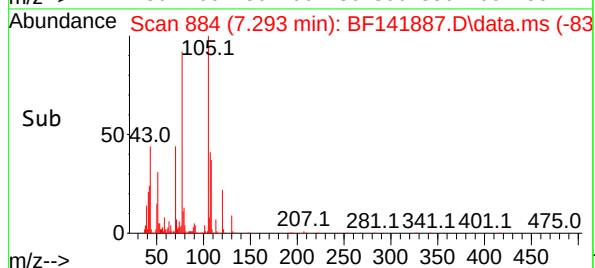
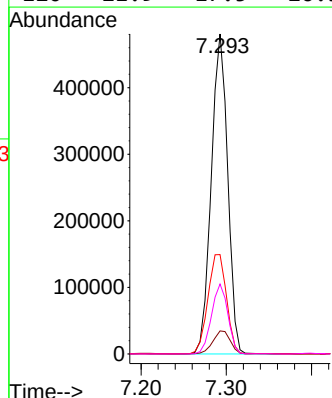
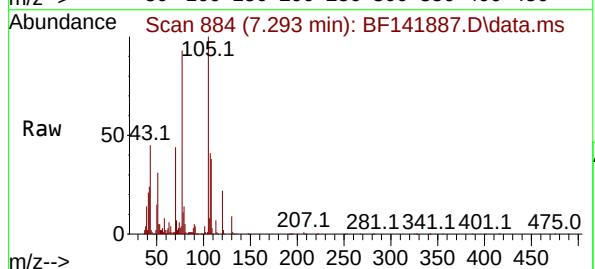
Manual Integrations
APPROVED

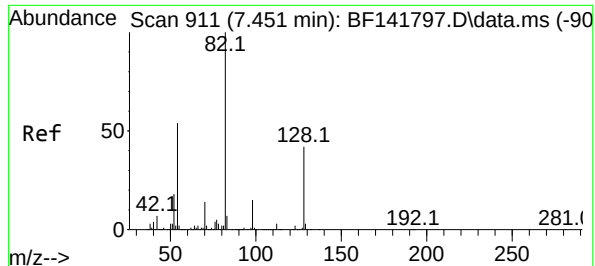
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#22
Acetophenone
Concen: 46.445 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:105 Resp: 642289
Ion Ratio Lower Upper
105 100
71 7.2 5.4 8.0
51 31.1 26.1 39.1
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 116.562 ng

RT: 7.446 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion: 82 Resp: 1035429

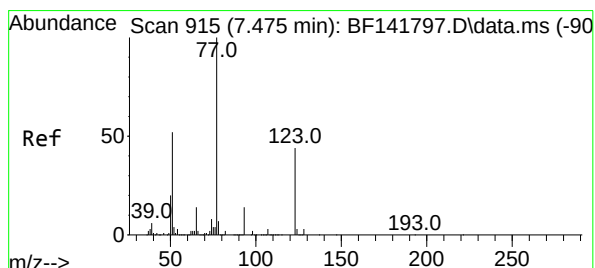
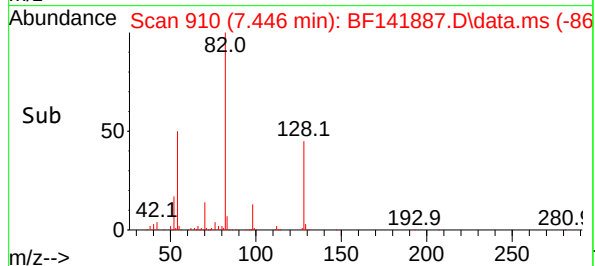
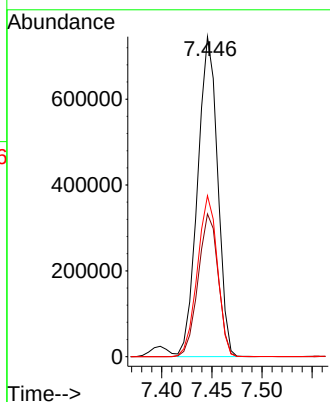
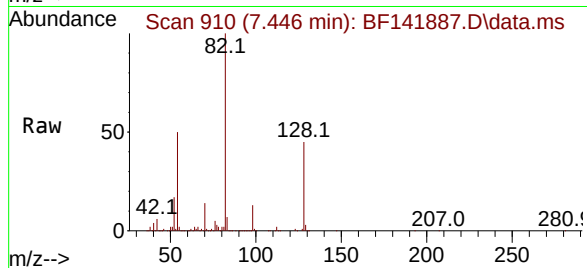
Ion	Ratio	Lower	Upper
82	100		
128	44.6	33.5	50.3
54	50.3	42.7	64.1

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#24

Nitrobenzene

Concen: 46.355 ng

RT: 7.463 min Scan# 913

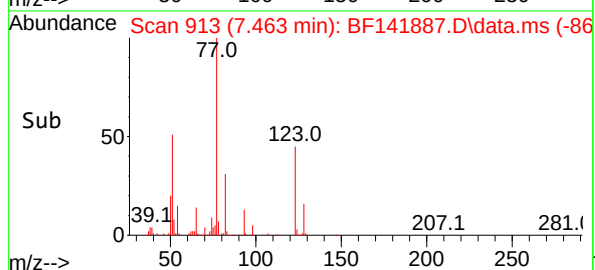
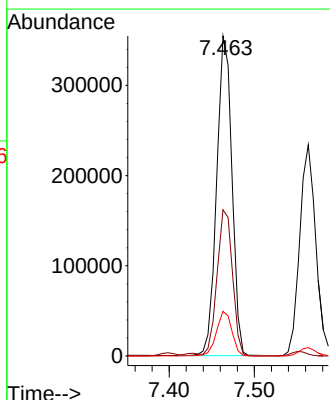
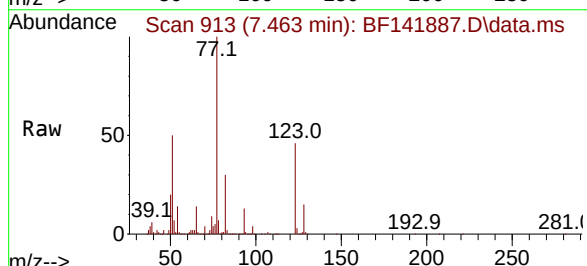
Delta R.T. -0.012 min

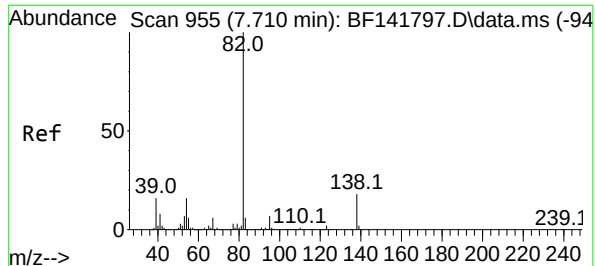
Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Tgt Ion: 77 Resp: 440948

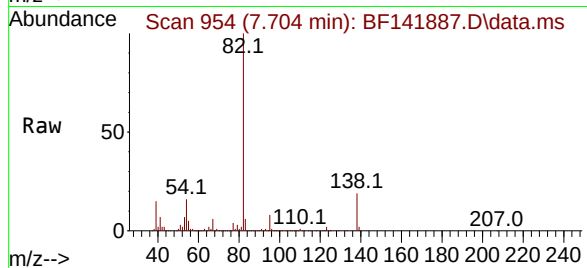
Ion	Ratio	Lower	Upper
77	100		
123	45.7	35.8	53.8
65	13.9	11.2	16.8





#25
Isophorone
Concen: 43.275 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

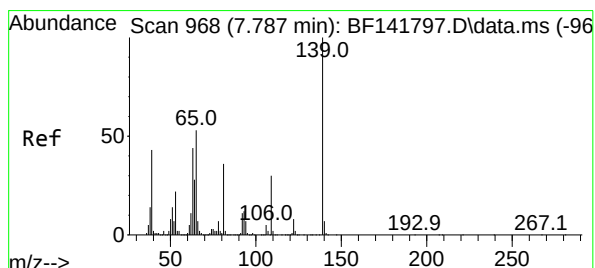
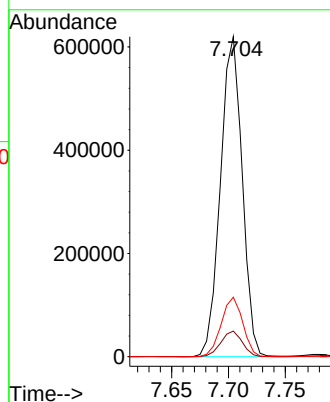
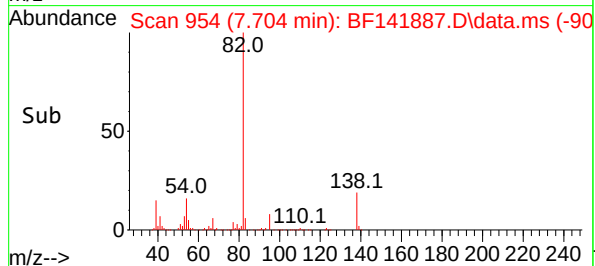
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion: 82 Resp: 825864
Ion Ratio Lower Upper
82 100
95 8.0 5.8 8.8
138 18.6 14.0 21.0

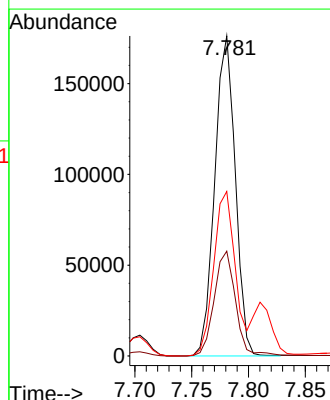
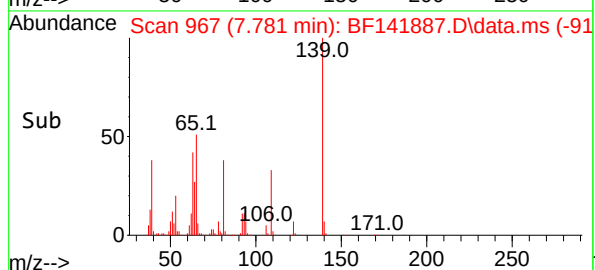
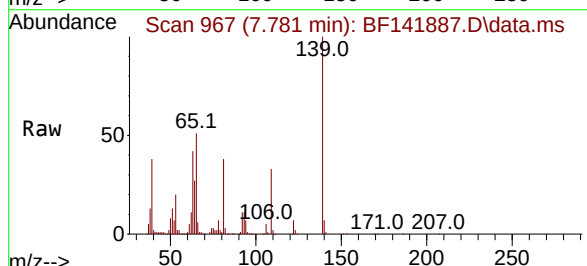
Manual Integrations
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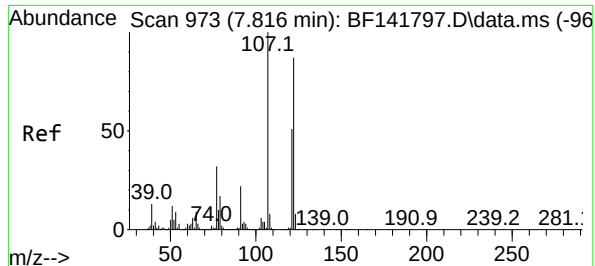
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#26
2-Nitrophenol
Concen: 51.787 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:139 Resp: 221747
Ion Ratio Lower Upper
139 100
109 32.7 24.1 36.1
65 51.4 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 53.928 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141887.D

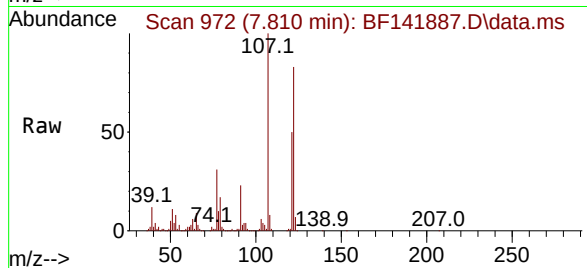
Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS



Tgt Ion:122 Resp: 378308

Ion Ratio Lower Upper

122 100

107 120.9 92.5 138.7

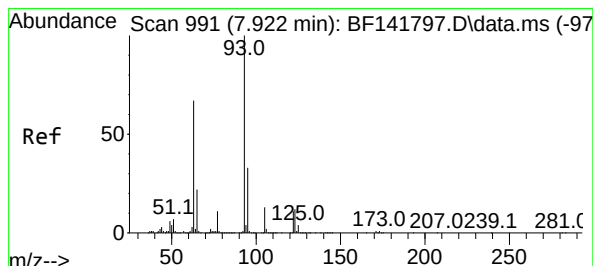
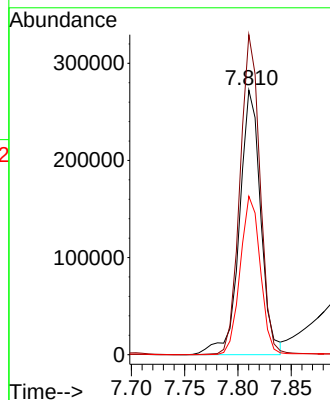
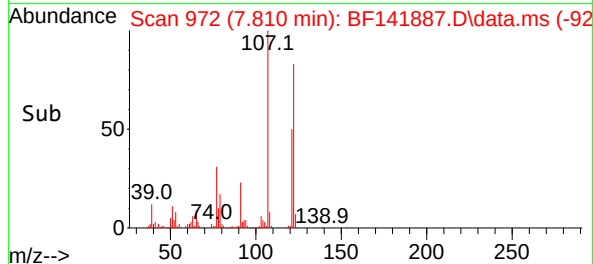
121 59.9 47.1 70.7

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#28

bis(2-Chloroethoxy)methane

Concen: 39.599 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

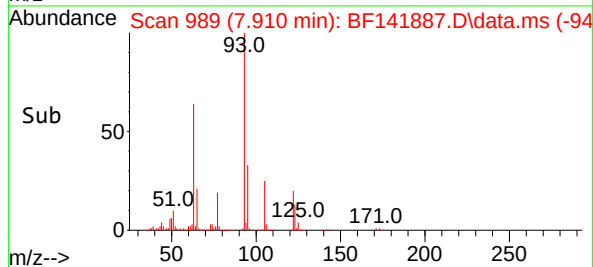
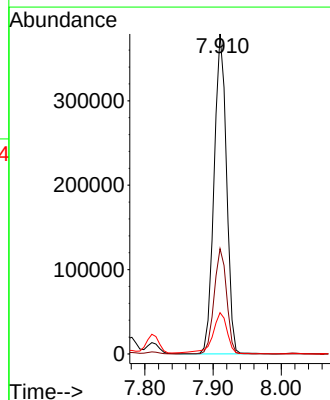
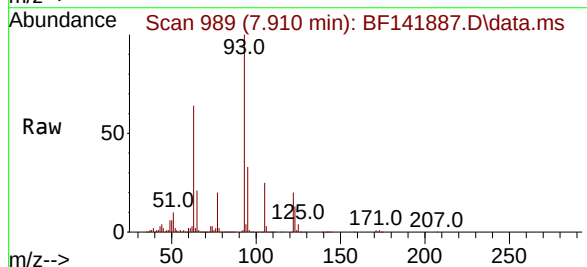
Tgt Ion: 93 Resp: 482066

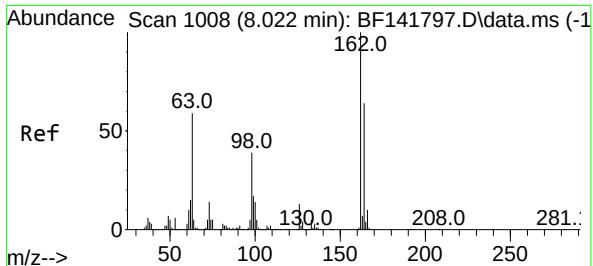
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 12.9 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 46.908 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141887.D

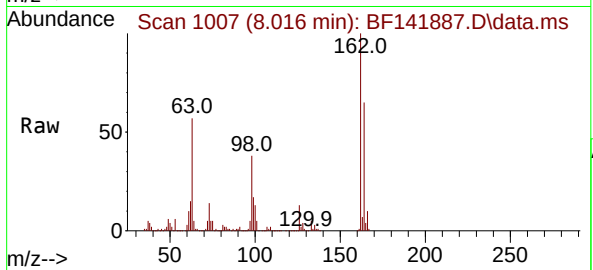
Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS



Tgt Ion:162 Resp: 379620

Ion Ratio Lower Upper

162 100

164 64.9 44.3 84.3

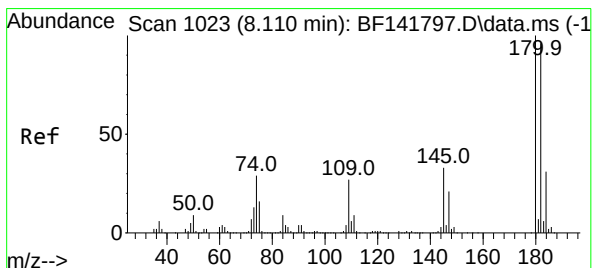
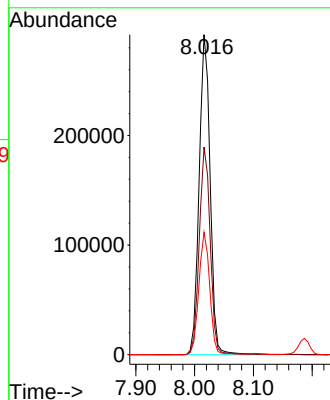
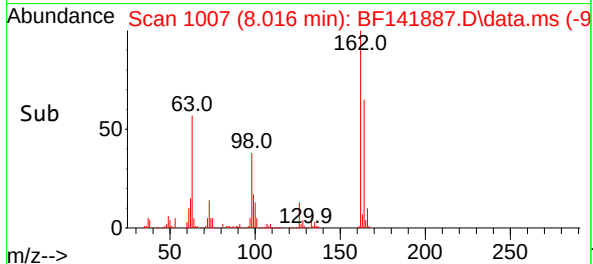
98 38.3 19.6 59.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#30

1,2,4-Trichlorobenzene

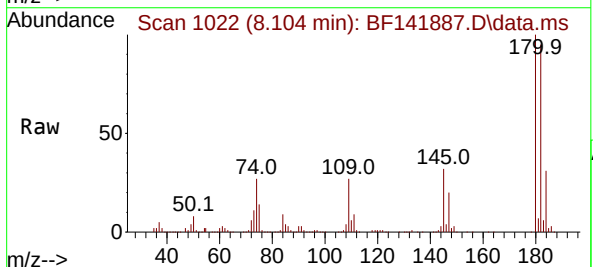
Concen: 40.392 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29



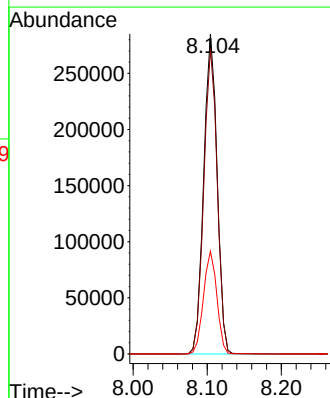
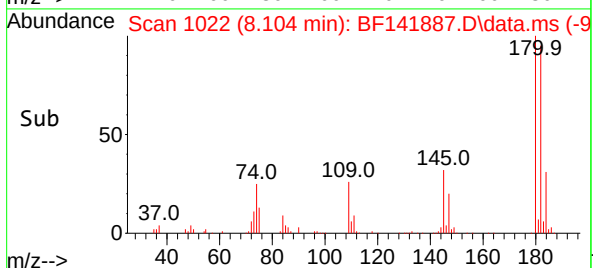
Tgt Ion:180 Resp: 358200

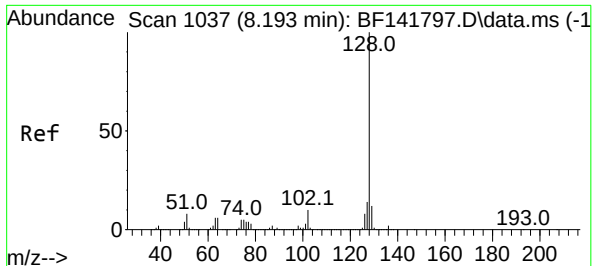
Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 32.1 26.4 39.6





#31

Naphthalene

Concen: 40.801 ng

RT: 8.187 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:128 Resp: 1190680

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

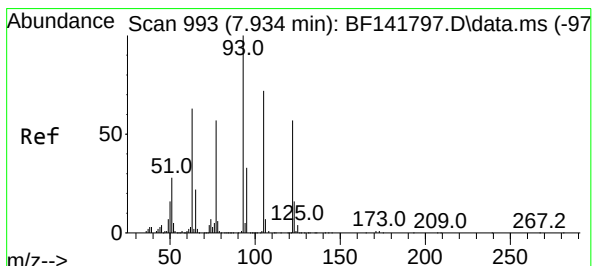
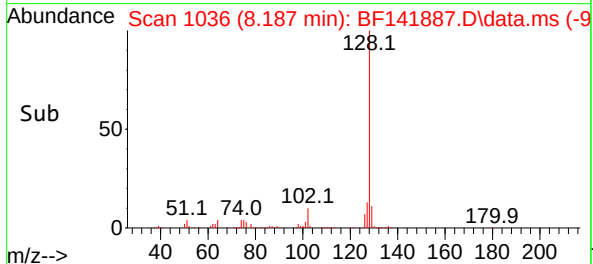
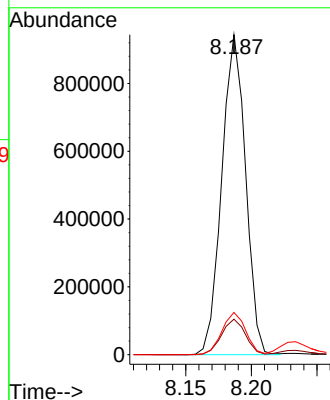
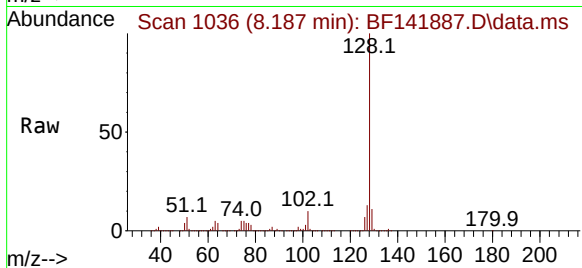
127 13.2 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#32

Benzoic acid

Concen: 42.551 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.018 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

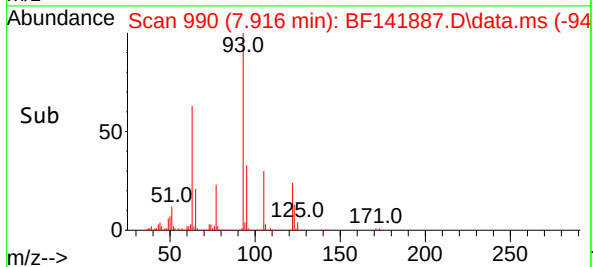
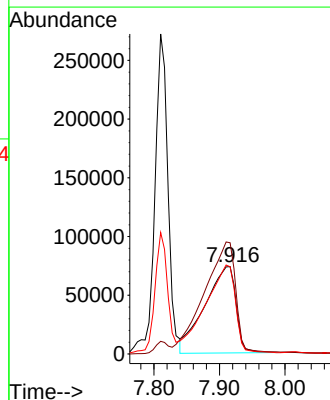
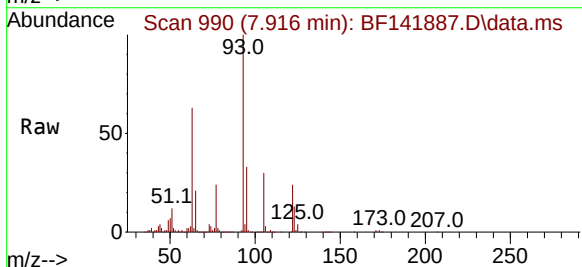
Tgt Ion:122 Resp: 243052

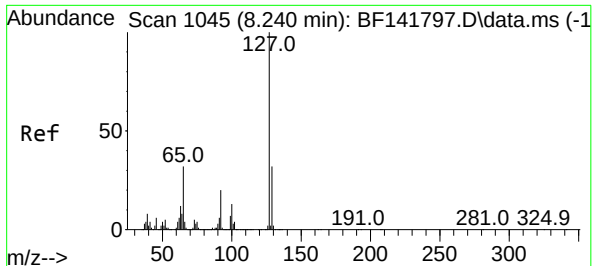
Ion Ratio Lower Upper

122 100

105 127.3 105.8 145.8

77 99.8 79.9 119.9





#33

4-Chloroaniline

Concen: 5.649 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:127 Resp: 60449

Ion Ratio Lower Upper

127 100

129 33.8 26.1 39.1

65 30.8 25.7 38.5

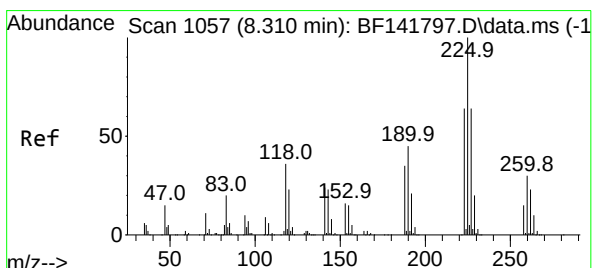
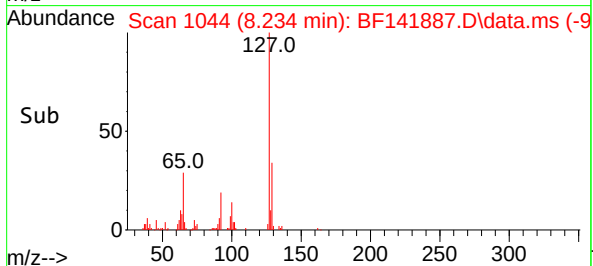
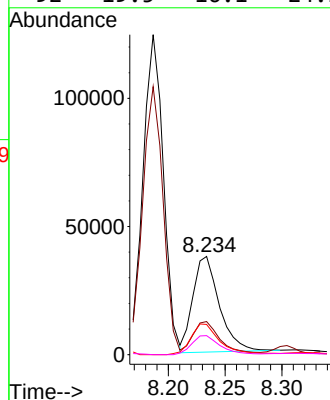
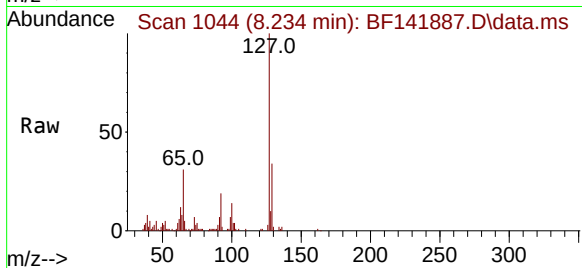
92 19.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#34

Hexachlorobutadiene

Concen: 40.510 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

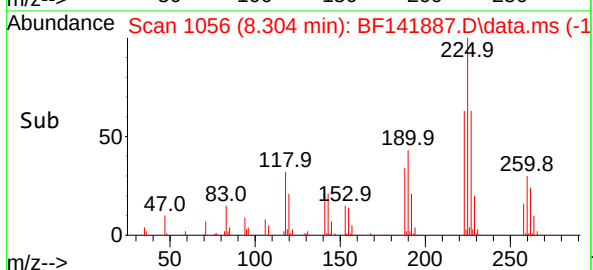
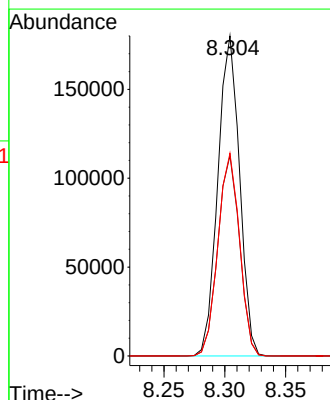
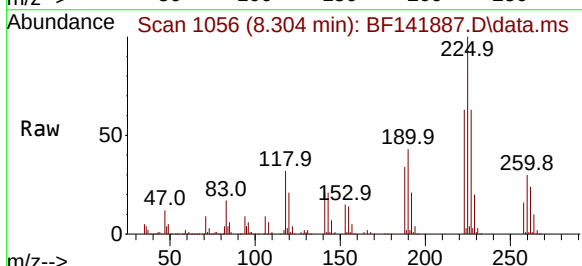
Tgt Ion:225 Resp: 223239

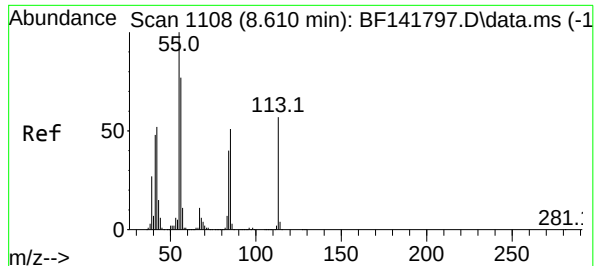
Ion Ratio Lower Upper

225 100

223 62.6 51.4 77.2

227 63.4 51.6 77.4





#35

Caprolactam

Concen: 46.612 ng m

RT: 8.592 min Scan# 1105

Delta R.T. -0.018 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:113 Resp: 116040

Ion Ratio Lower Upper

113 100

55 153.9 155.6 195.6

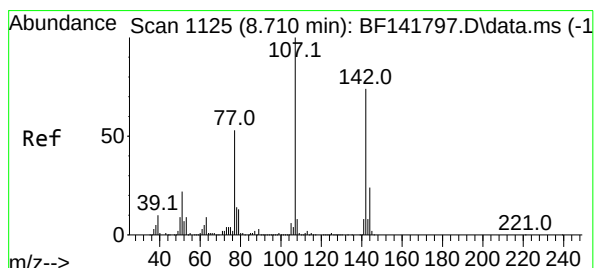
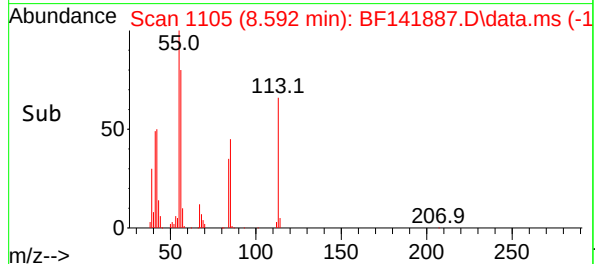
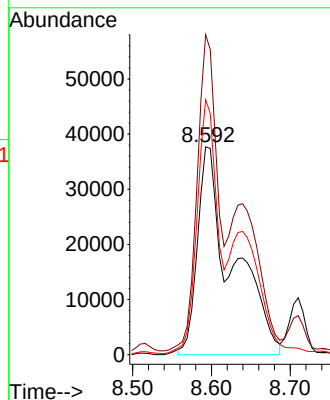
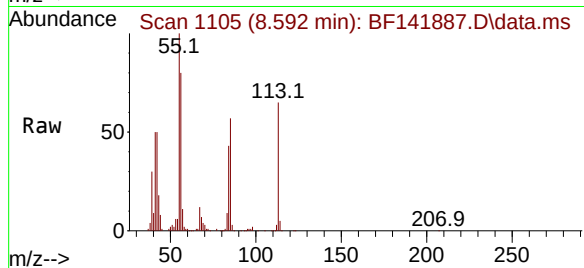
56 122.7 114.6 154.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#36

4-Chloro-3-methylphenol

Concen: 48.315 ng

RT: 8.710 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

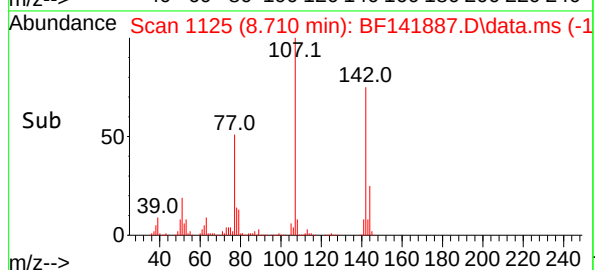
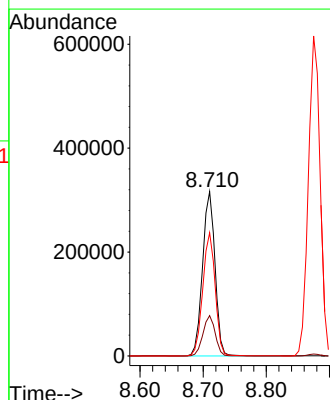
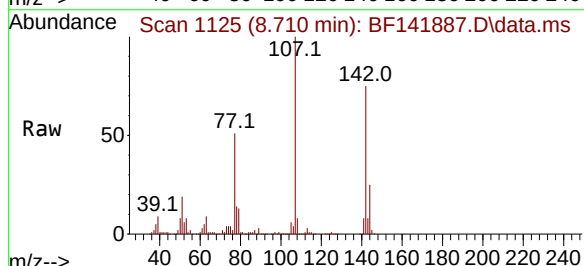
Tgt Ion:107 Resp: 434357

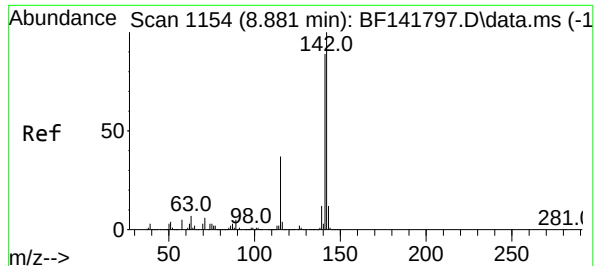
Ion Ratio Lower Upper

107 100

144 24.6 19.4 29.0

142 74.9 59.4 89.0





#37

2-Methylnaphthalene

Concen: 41.576 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:142 Resp: 79582

Ion Ratio Lower Upper

142 100

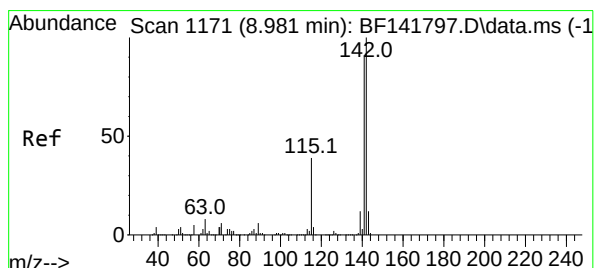
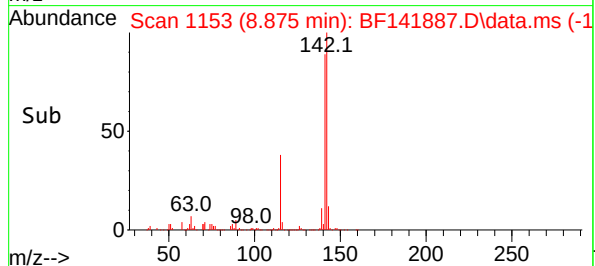
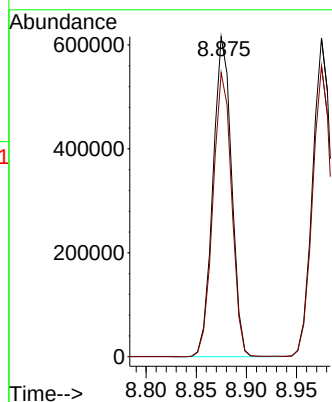
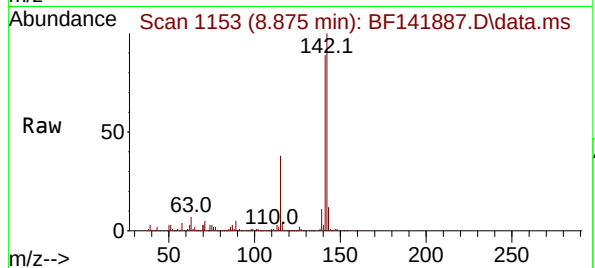
141 88.8 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#38

1-Methylnaphthalene

Concen: 42.552 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF141887.D

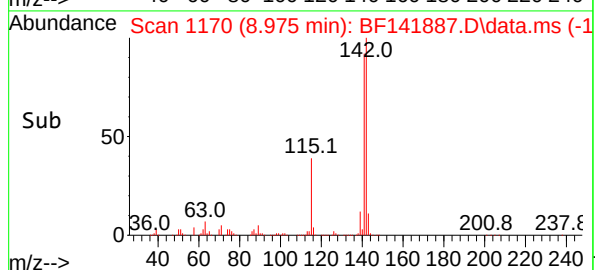
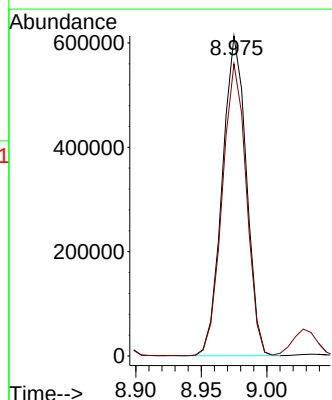
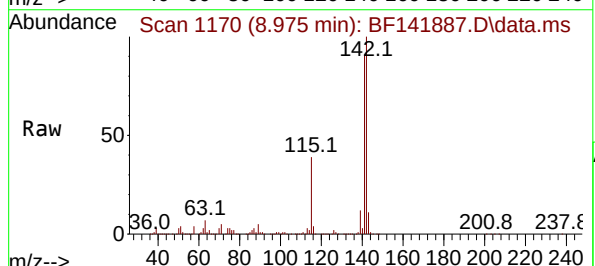
Acq: 07 Mar 2025 11:29

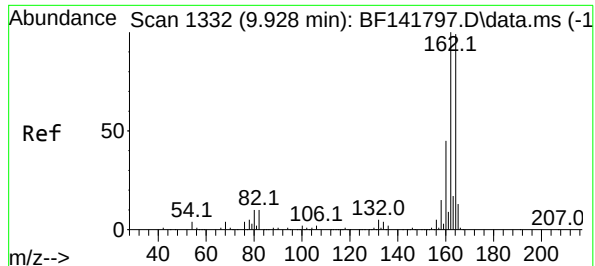
Tgt Ion:142 Resp: 781539

Ion Ratio Lower Upper

142 100

141 91.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141887.D

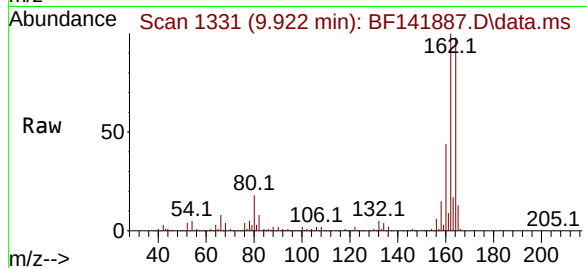
Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS



Tgt Ion:164 Resp: 313240

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

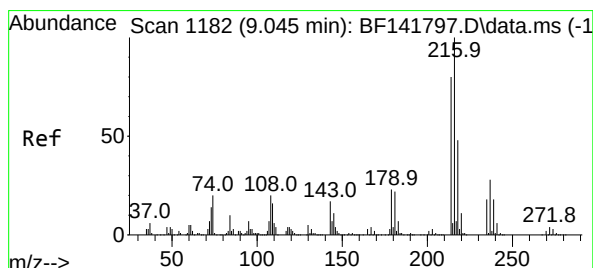
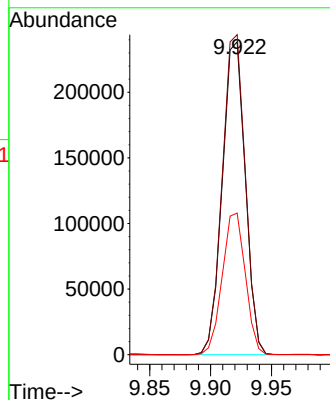
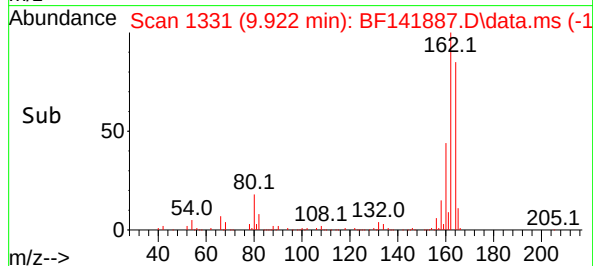
160 45.3 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.980 ng

RT: 9.040 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Tgt Ion:216 Resp: 452153

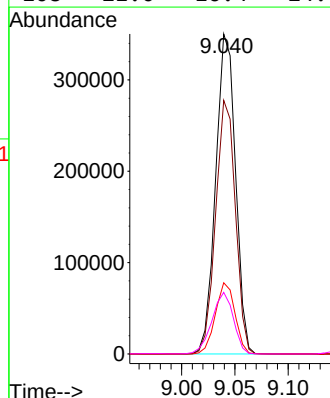
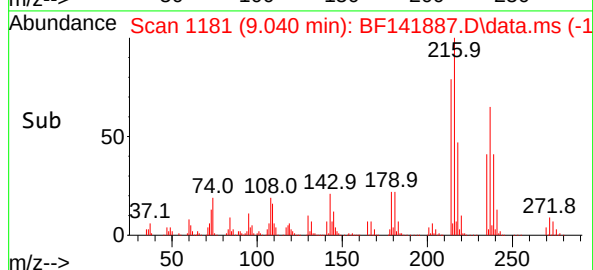
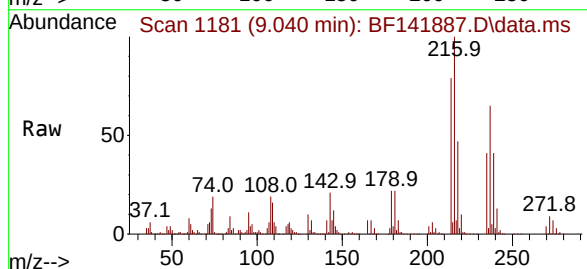
Ion Ratio Lower Upper

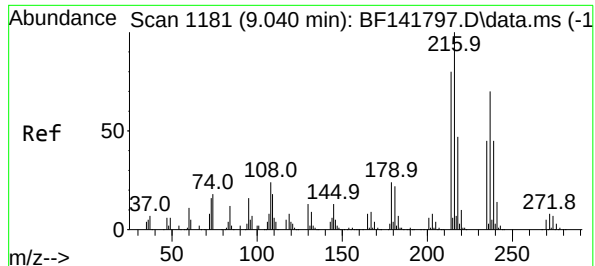
216 100

214 78.9 63.5 95.3

179 22.1 18.1 27.1

108 21.0 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 144.048 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:237 Resp: 54384

Ion Ratio Lower Upper

237 100

235 63.1 43.3 83.3

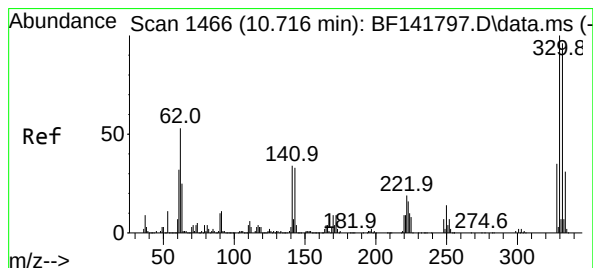
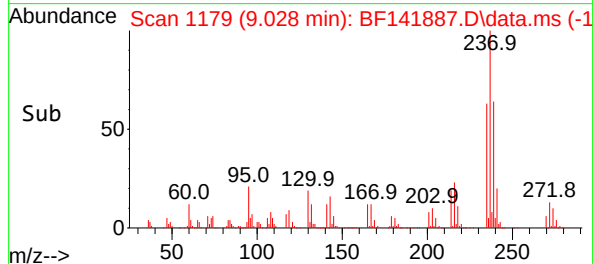
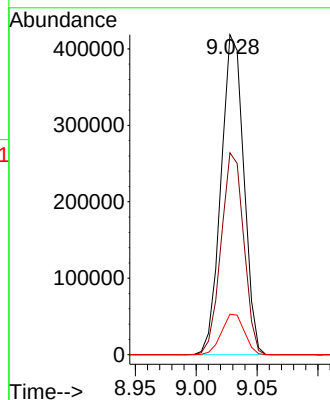
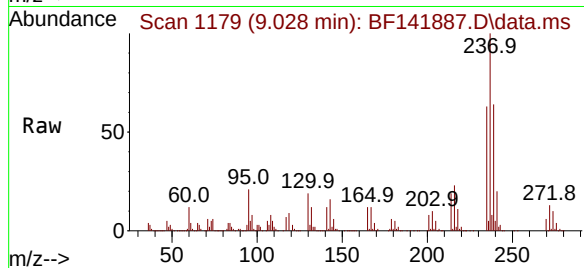
272 12.7 0.0 31.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#42

2,4,6-Tribromophenol

Concen: 207.395 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

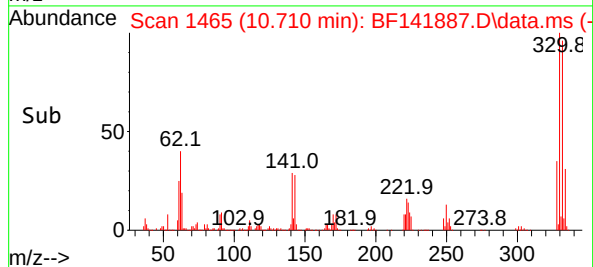
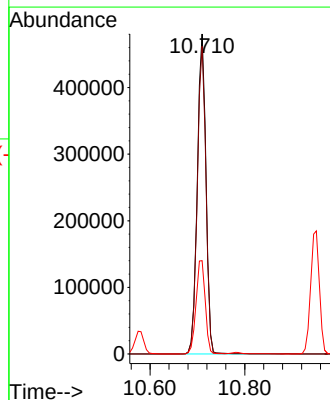
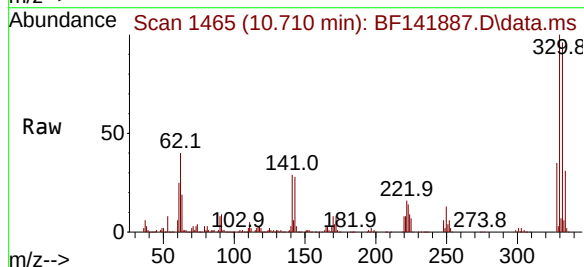
Tgt Ion:330 Resp: 609898

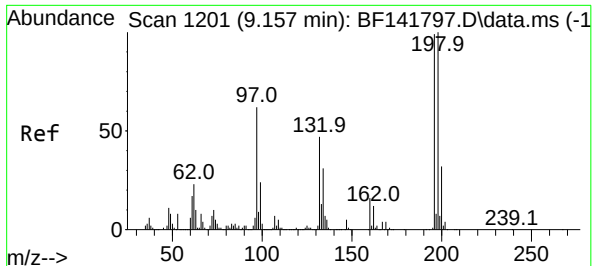
Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

141 31.1 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 49.449 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:196 Resp: 28897

Ion Ratio Lower Upper

196 100

198 101.5 80.4 120.6

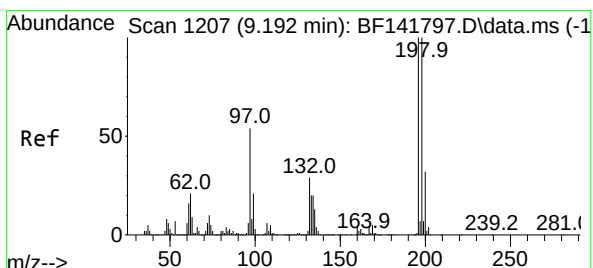
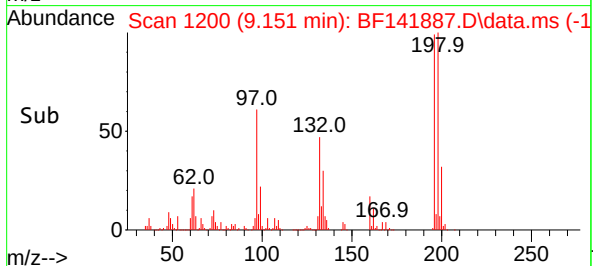
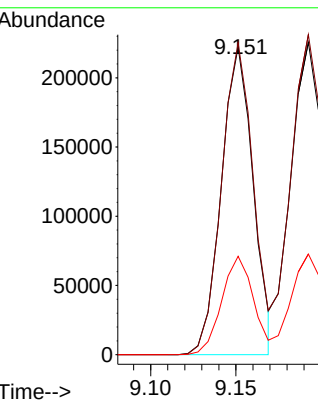
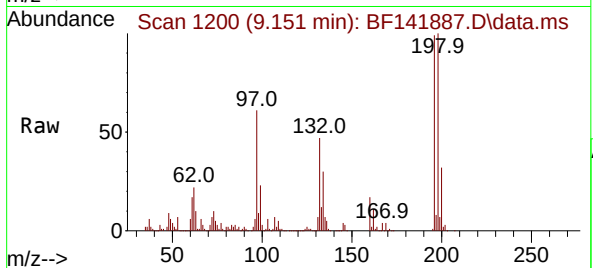
200 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#44

2,4,5-Trichlorophenol

Concen: 53.090 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Tgt Ion:196 Resp: 307214

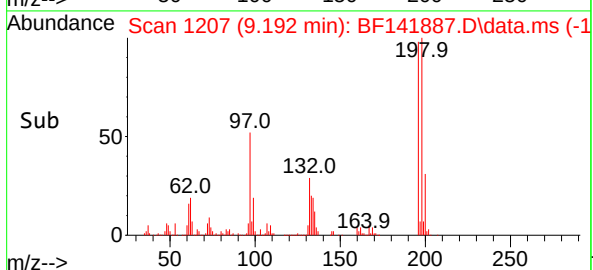
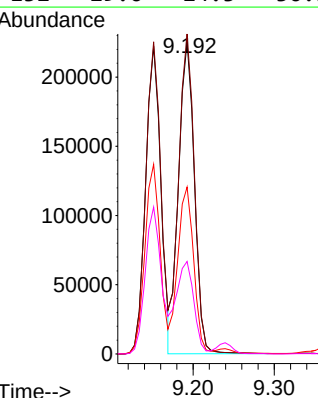
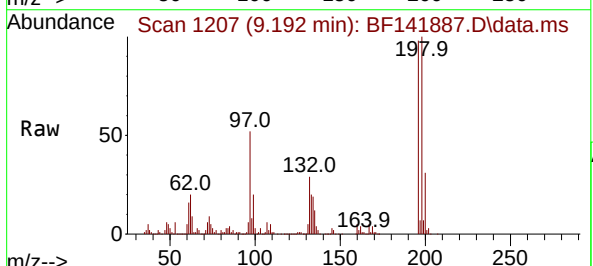
Ion Ratio Lower Upper

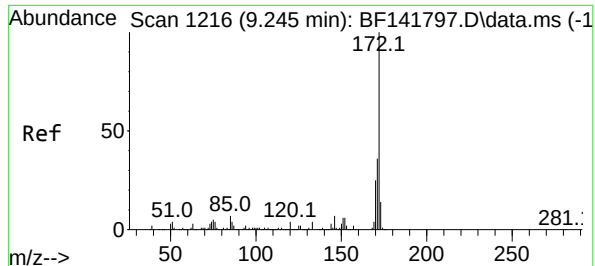
196 100

198 102.5 79.7 119.5

97 53.4 44.2 66.2

132 29.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 101.976 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:172 Resp: 1992152

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

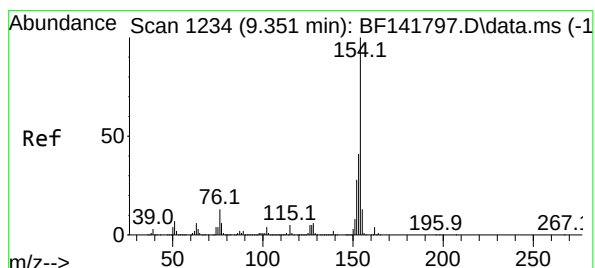
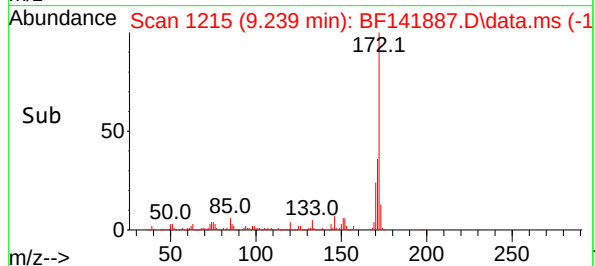
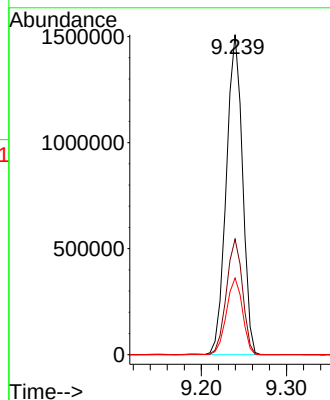
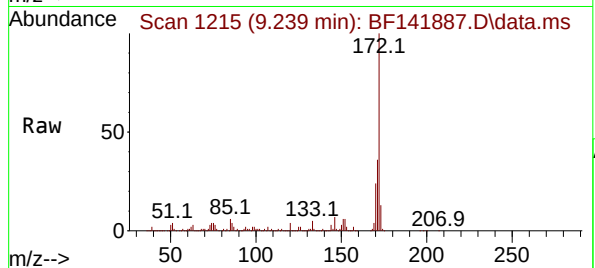
170 24.0 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#46

1,1'-Biphenyl

Concen: 49.444 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

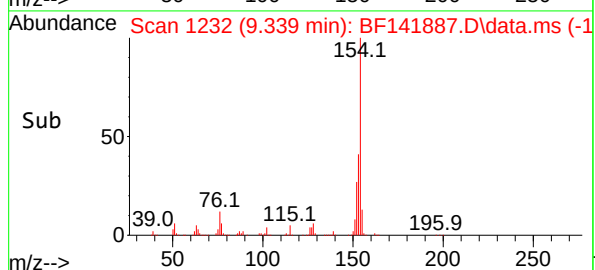
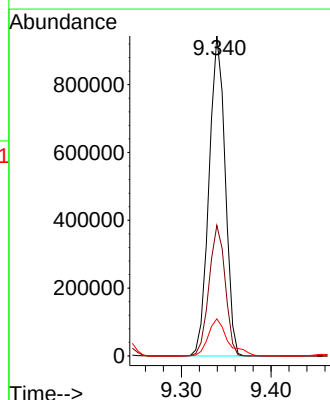
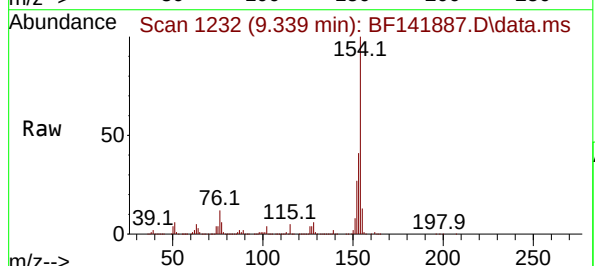
Tgt Ion:154 Resp: 1178867

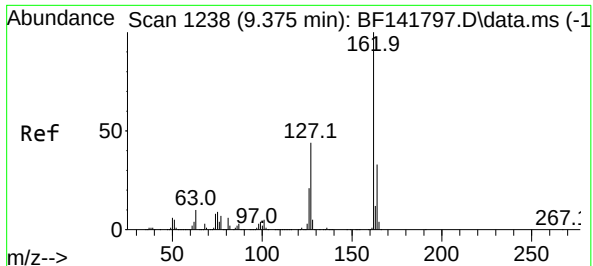
Ion Ratio Lower Upper

154 100

153 40.8 21.4 61.4

76 11.6 0.0 33.4





#47

2-Chloronaphthalene

Concen: 45.428 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:162 Resp: 799418

Ion Ratio Lower Upper

162 100

127 43.9 35.0 52.6

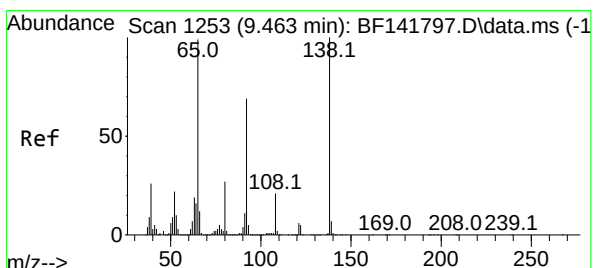
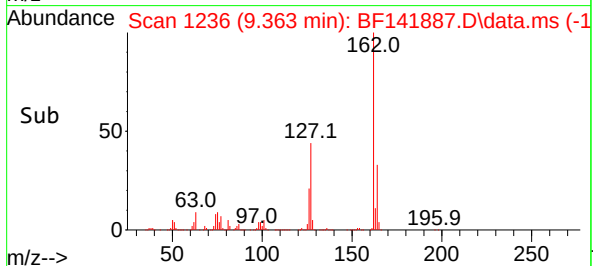
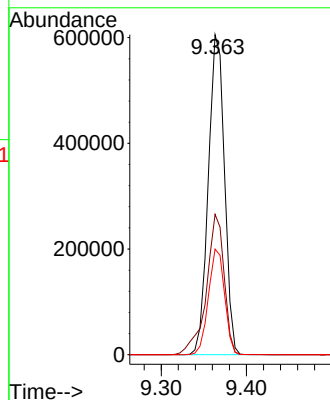
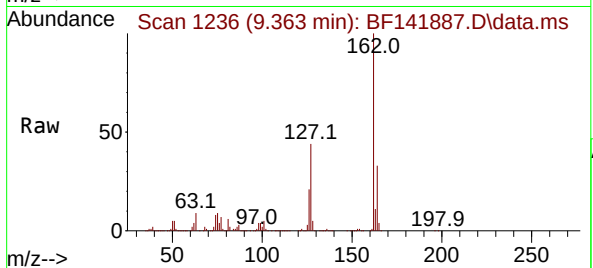
164 33.0 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#48

2-Nitroaniline

Concen: 53.866 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

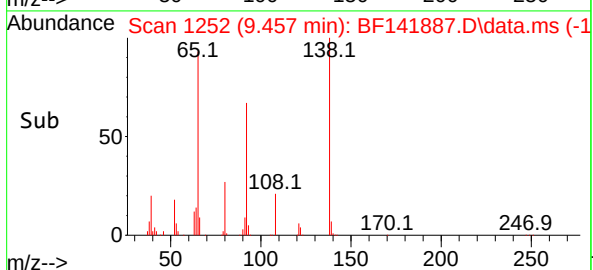
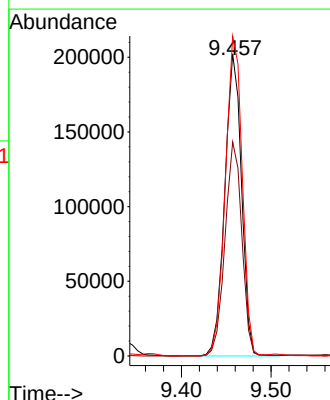
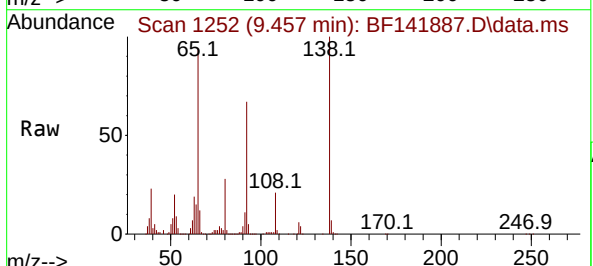
Tgt Ion: 65 Resp: 262276

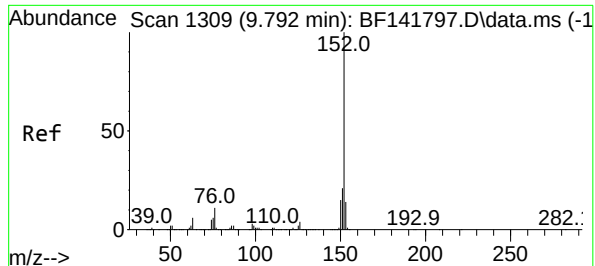
Ion Ratio Lower Upper

65 100

92 70.9 55.7 83.5

138 105.9 80.6 121.0





#49

Acenaphthylene

Concen: 48.647 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:152 Resp: 1283508

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

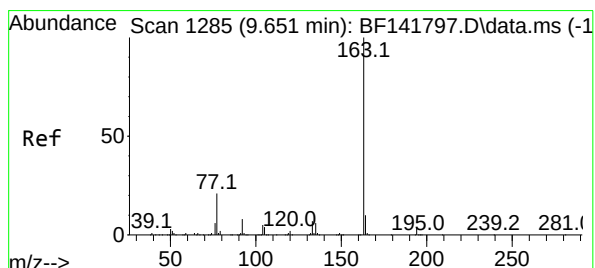
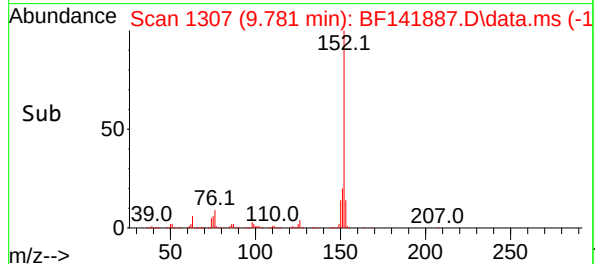
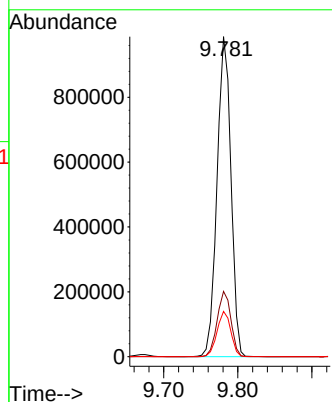
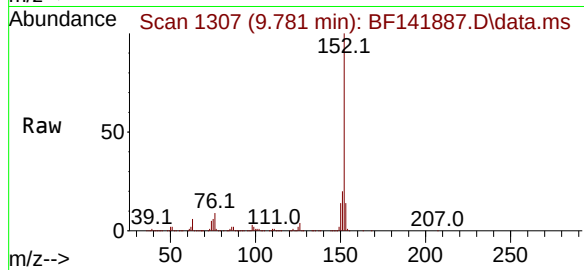
153 14.1 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#50

Dimethylphthalate

Concen: 48.612 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

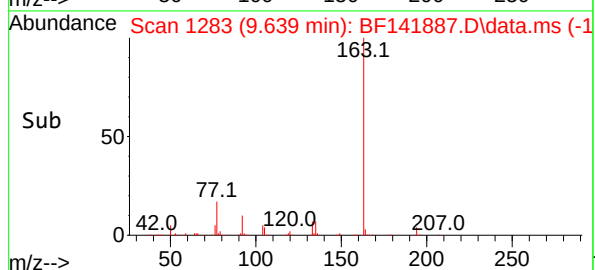
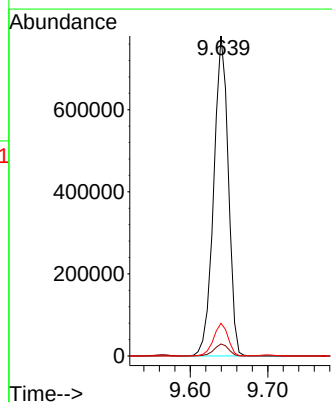
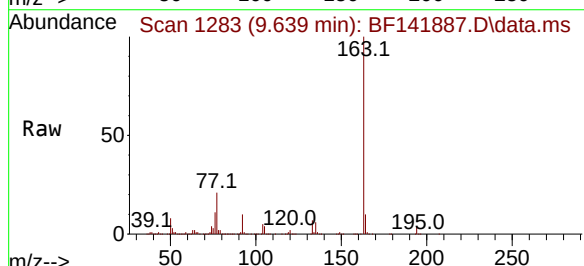
Tgt Ion:163 Resp: 1019741

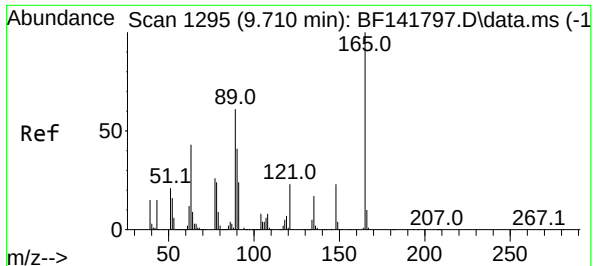
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

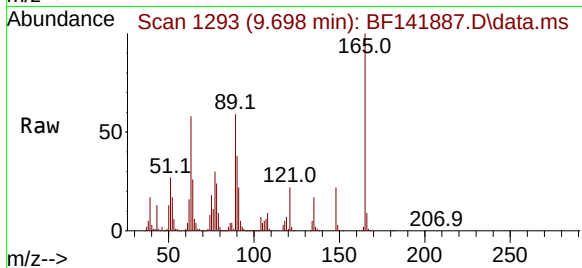
164 10.2 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 54.763 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

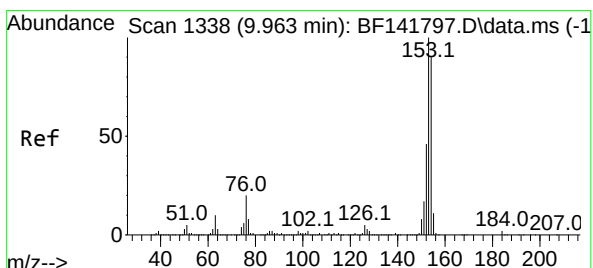
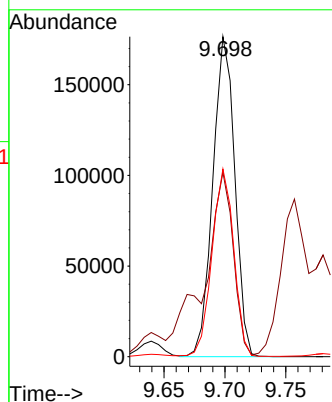
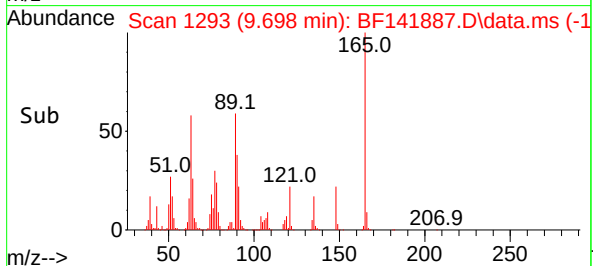
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:165 Resp: 221458
Ion Ratio Lower Upper
165 100
63 57.6 49.5 74.3
89 58.7 49.0 73.4

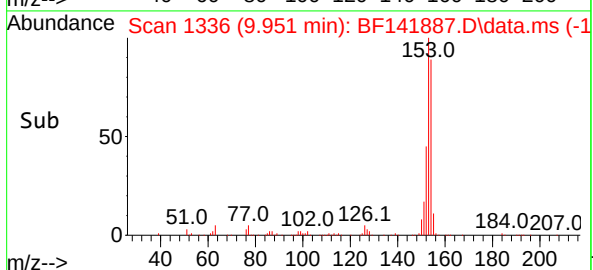
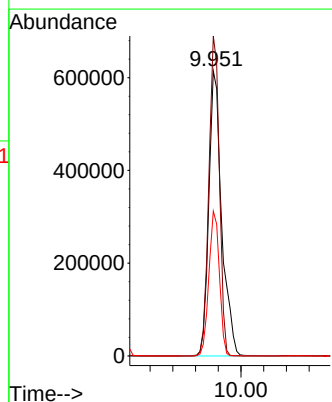
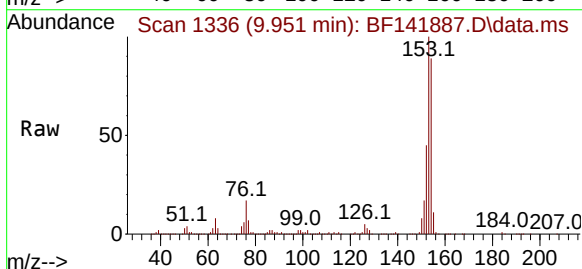
Manual Integrations
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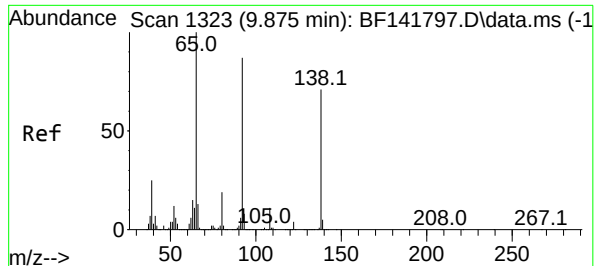
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#52
Acenaphthene
Concen: 54.103 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:154 Resp: 963187
Ion Ratio Lower Upper
154 100
153 112.3 88.7 133.1
152 50.8 40.9 61.3





#53

3-Nitroaniline

Concen: 19.074 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:138 Resp: 73385

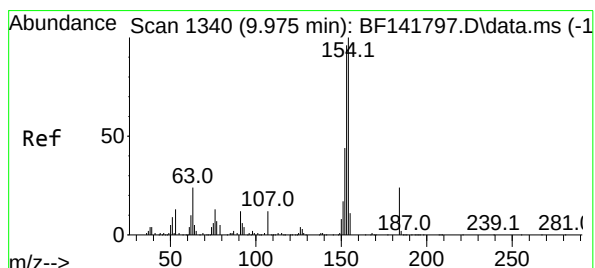
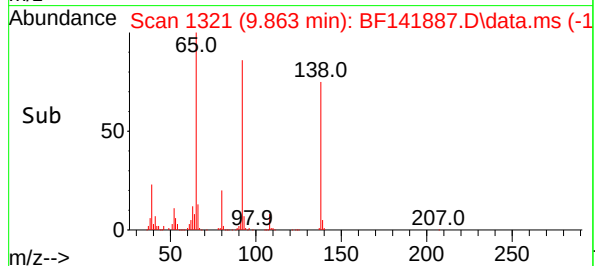
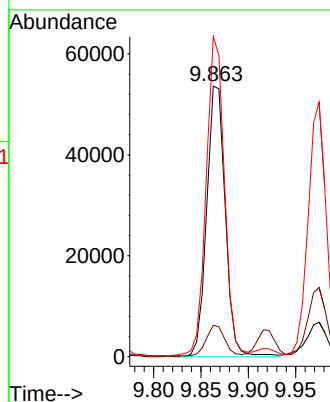
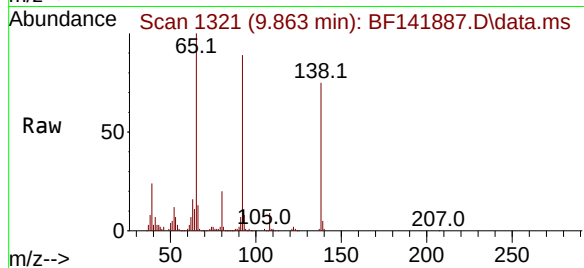
Ion	Ratio	Lower	Upper
138	100		
108	11.6	12.7	19.1
92	118.3	97.9	146.9

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#54

2,4-Dinitrophenol

Concen: 121.668 ng

RT: 9.975 min Scan# 1340

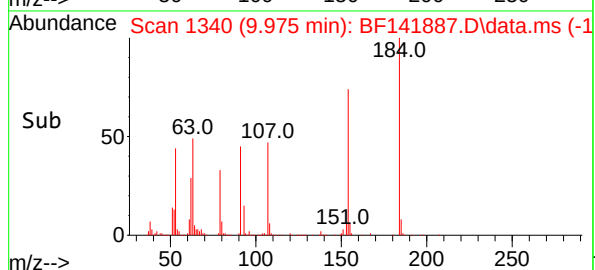
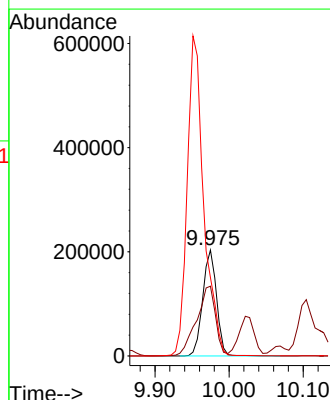
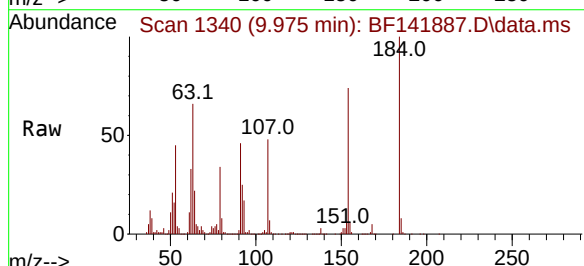
Delta R.T. -0.000 min

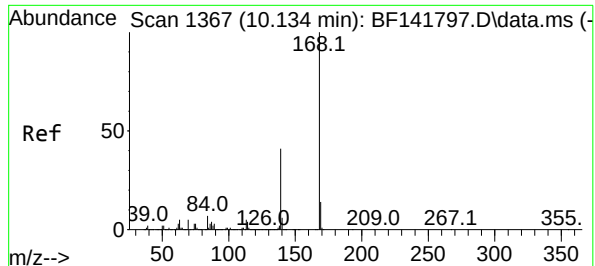
Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Tgt Ion:184 Resp: 264098

Ion	Ratio	Lower	Upper
184	100		
63	65.9	79.0	118.6
154	74.0	335.8	503.8





#55

Dibenzenofuran

Concen: 44.957 ng

RT: 10.128 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:168 Resp: 116492

Ion Ratio Lower Upper

168 100

139 40.9 32.9 49.3

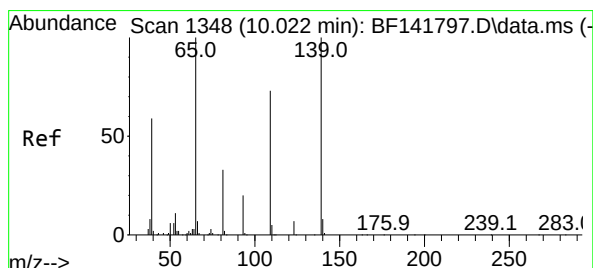
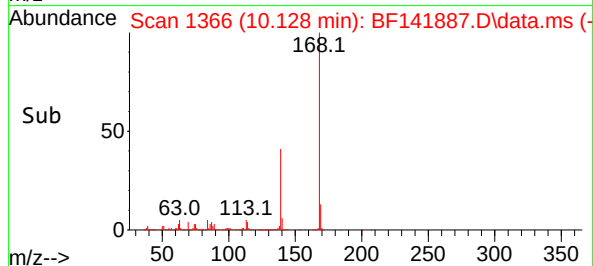
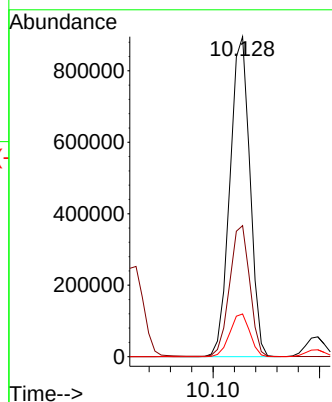
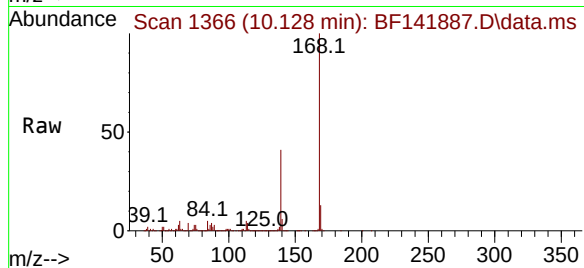
169 13.3 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#56

4-Nitrophenol

Concen: 119.989 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

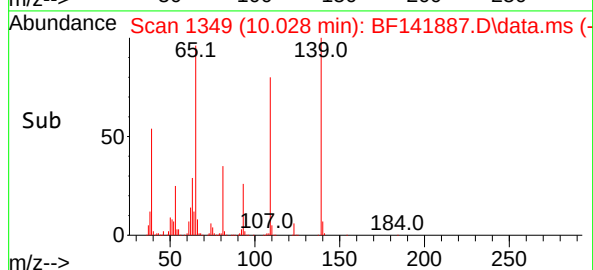
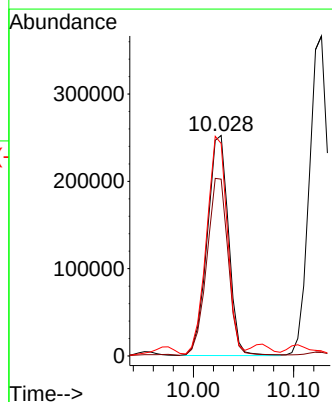
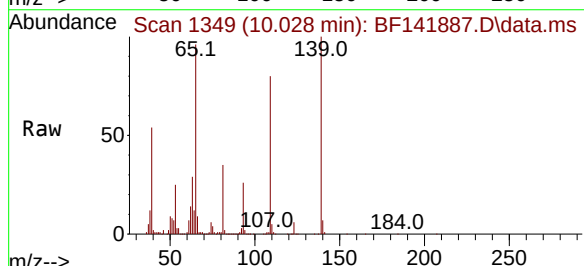
Tgt Ion:139 Resp: 371749

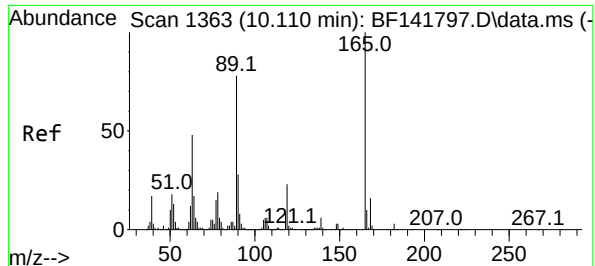
Ion Ratio Lower Upper

139 100

109 80.2 53.4 93.4

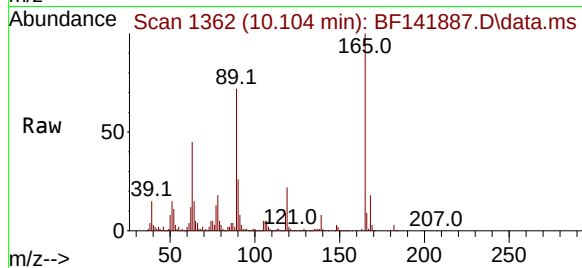
65 96.4 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 61.563 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

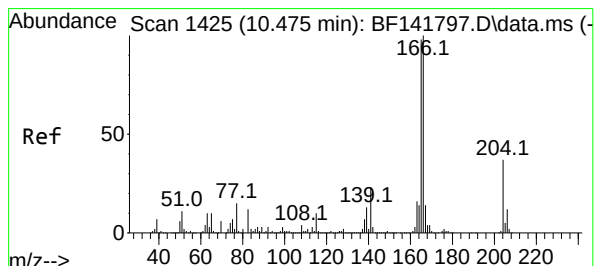
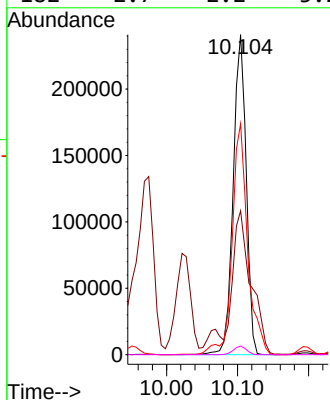
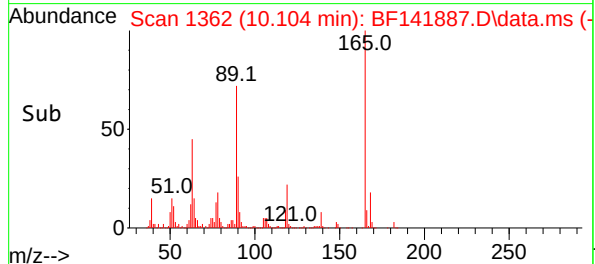
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:165 Resp: 307024
Ion Ratio Lower Upper
165 100
63 44.9 38.8 58.2
89 72.2 62.6 94.0
182 2.7 2.2 3.2

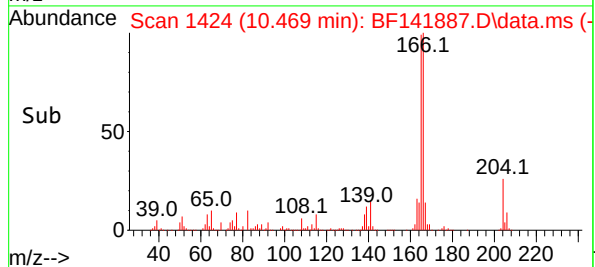
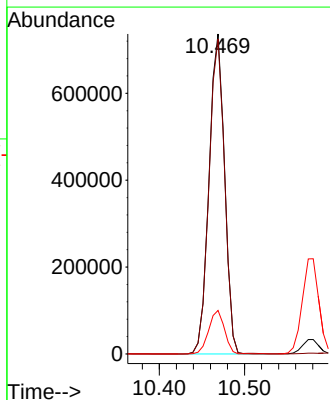
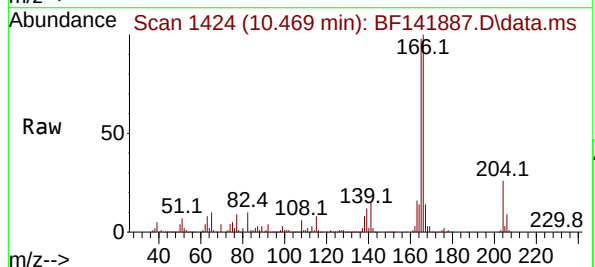
Manual Integrations
APPROVED

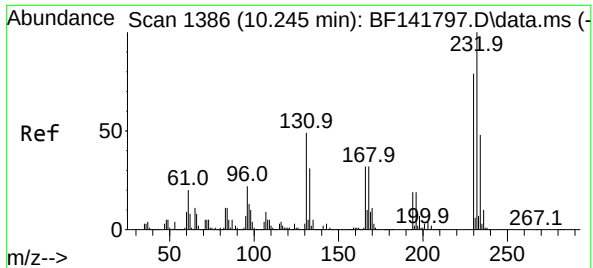
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#58
Fluorene
Concen: 48.058 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

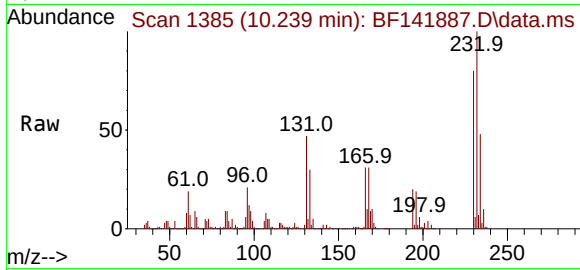
Tgt Ion:166 Resp: 932790
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.698 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

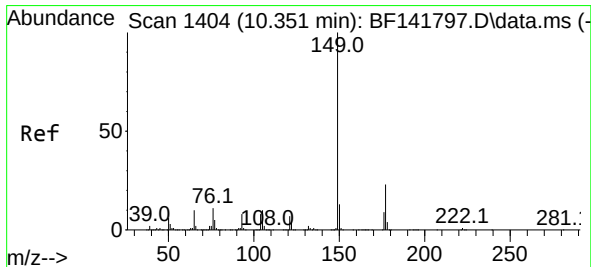
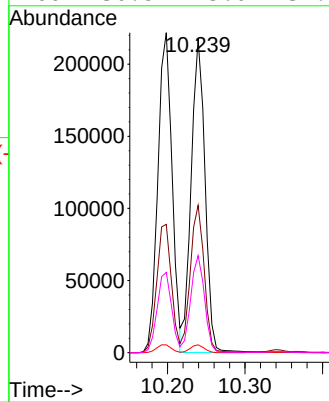
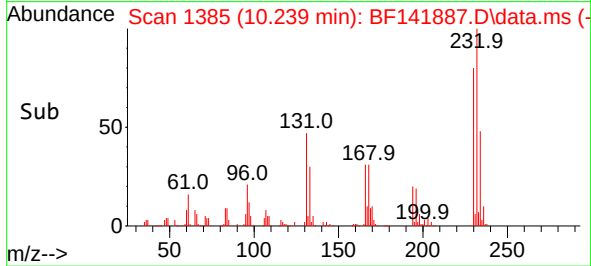
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:232 Resp: 270250
Ion Ratio Lower Upper
232 100
131 47.0 37.8 56.8
130 2.5 2.0 3.0
166 30.8 25.0 37.4

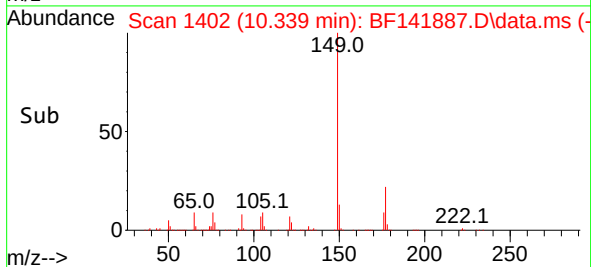
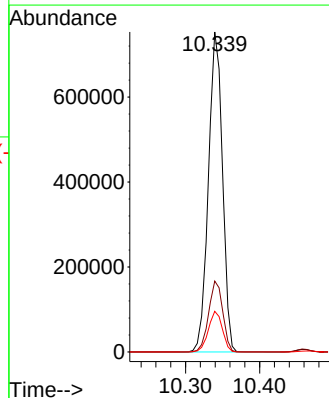
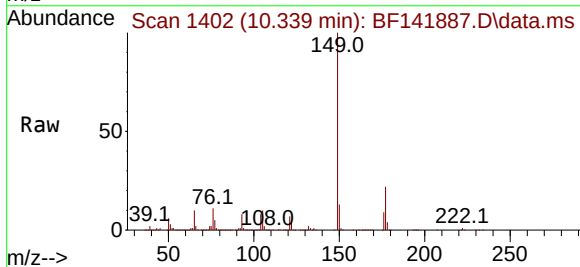
Manual Integrations
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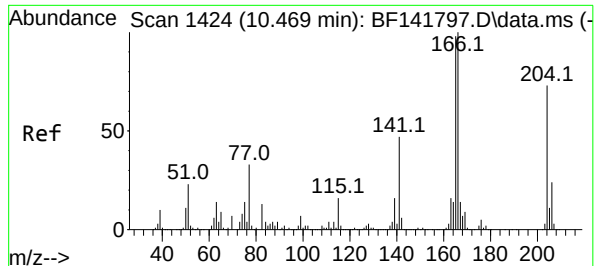
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#60
Diethylphthalate
Concen: 47.175 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

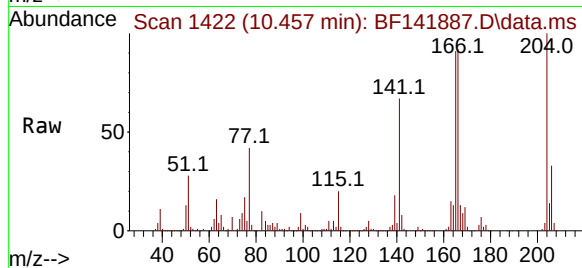
Tgt Ion:149 Resp: 992053
Ion Ratio Lower Upper
149 100
177 22.2 18.3 27.5
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 48.049 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

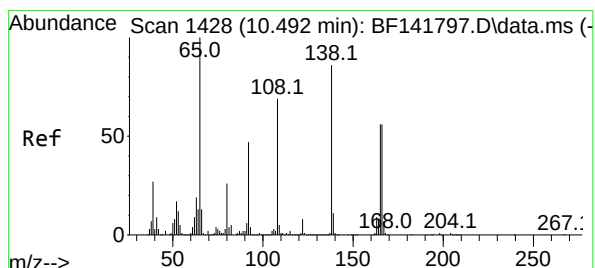
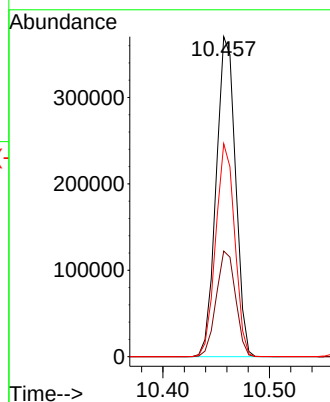
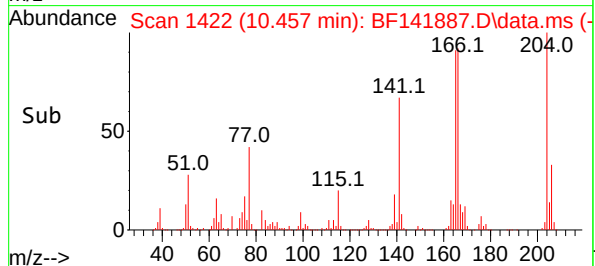
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:204 Resp: 467270
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.4
141 66.5 51.7 77.5

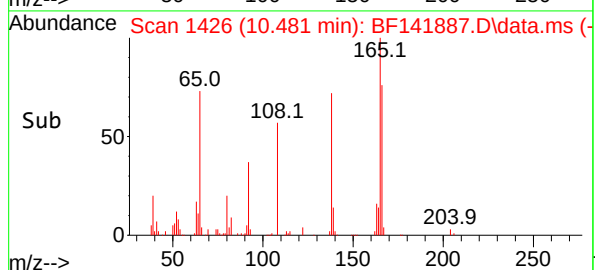
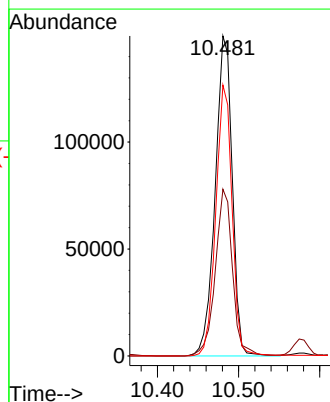
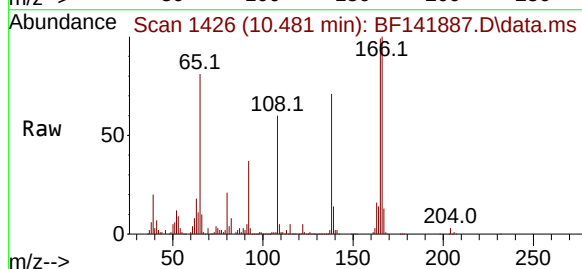
Manual Integrations
APPROVED

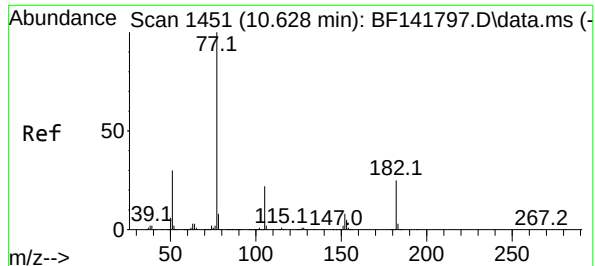
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#62
4-Nitroaniline
Concen: 61.060 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

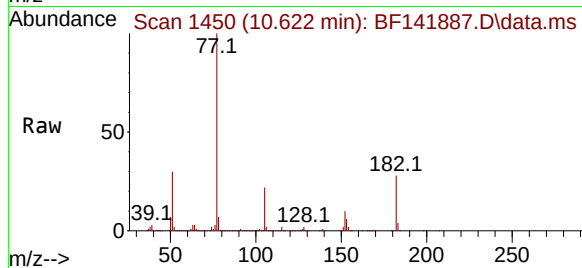
Tgt Ion:138 Resp: 218738
Ion Ratio Lower Upper
138 100
92 52.1 34.9 74.9
108 84.7 59.6 99.6





#63
Azobenzene
Concen: 41.379 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

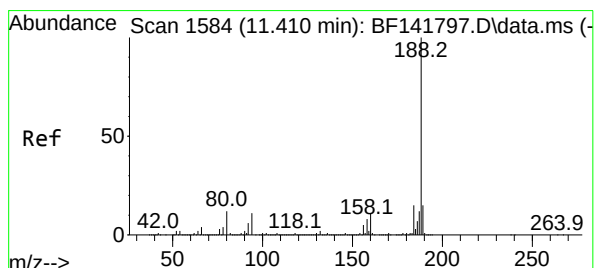
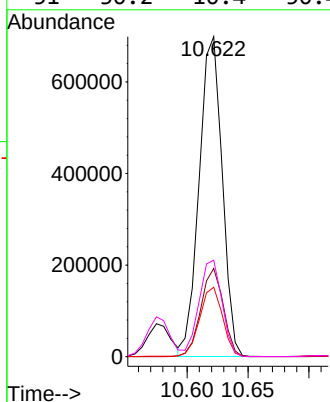
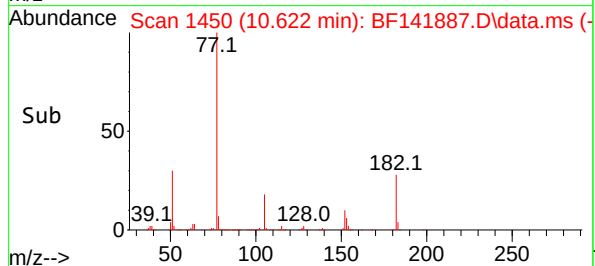
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion: 77 Resp: 91621
Ion Ratio Lower Upper
77 100
182 27.5 4.2 44.2
105 21.7 1.5 41.5
51 30.2 10.4 50.4

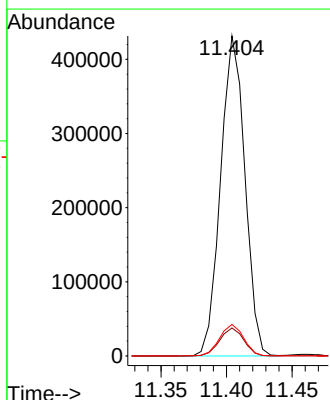
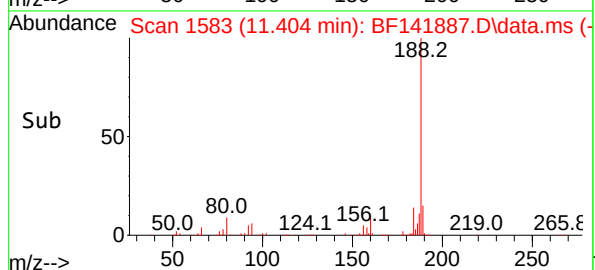
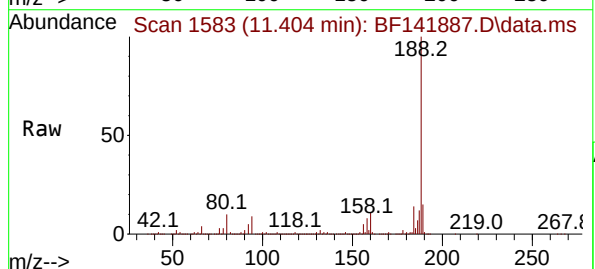
Manual Integrations
APPROVED

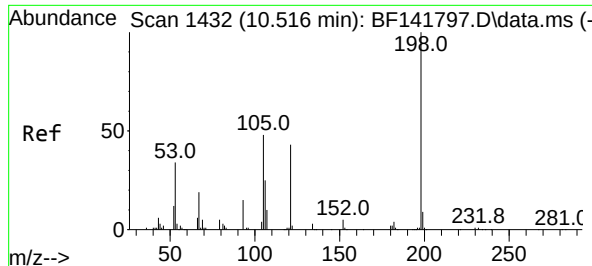
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

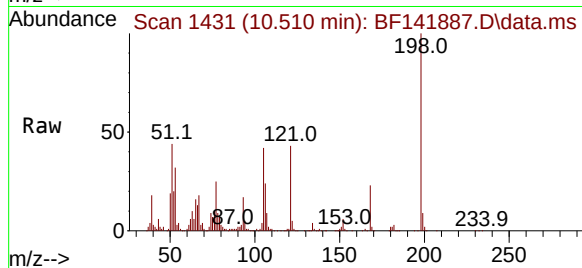
Tgt Ion:188 Resp: 556123
Ion Ratio Lower Upper
188 100
94 8.7 8.9 13.3#
80 9.8 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 62.051 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

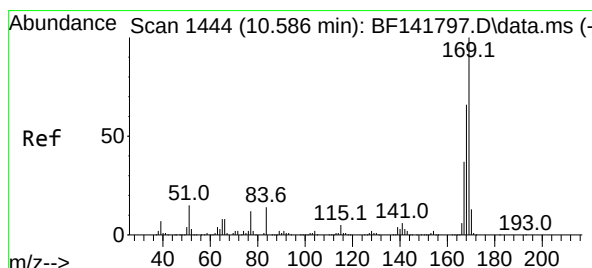
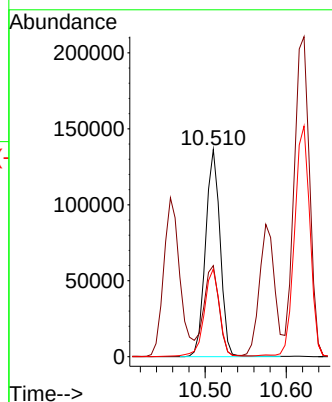
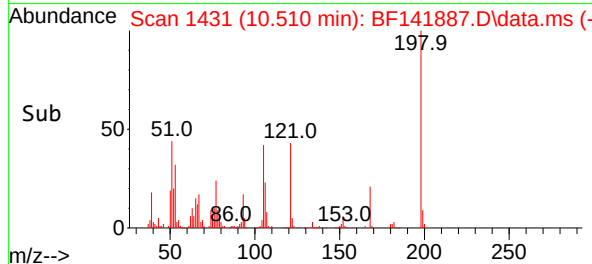
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:198 Resp: 170000
Ion Ratio Lower Upper
198 100
51 44.0 32.1 72.1
105 42.3 28.5 68.5

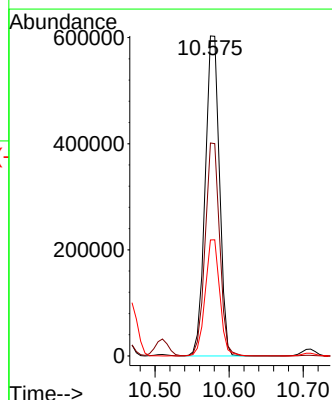
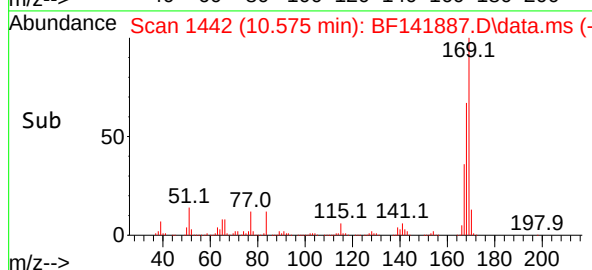
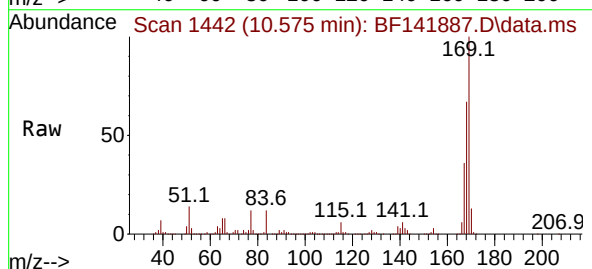
Manual Integrations
APPROVED

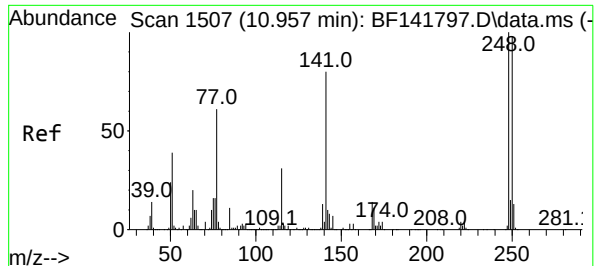
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#66
n-Nitrosodiphenylamine
Concen: 44.262 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

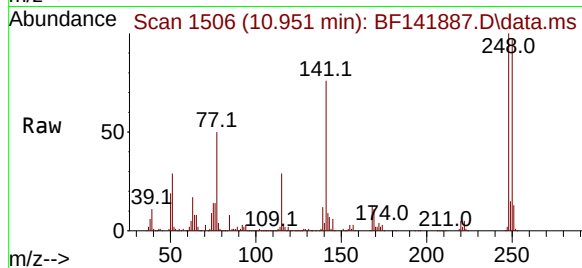
Tgt Ion:169 Resp: 808274
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.6
167 36.3 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 46.376 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

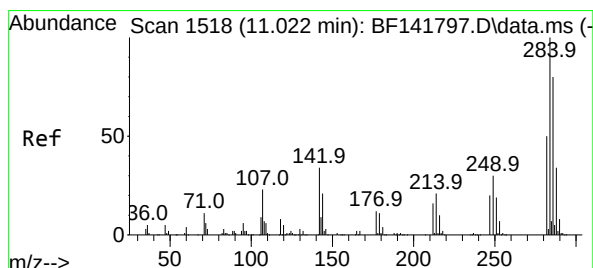
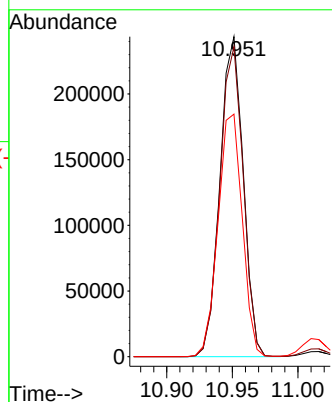
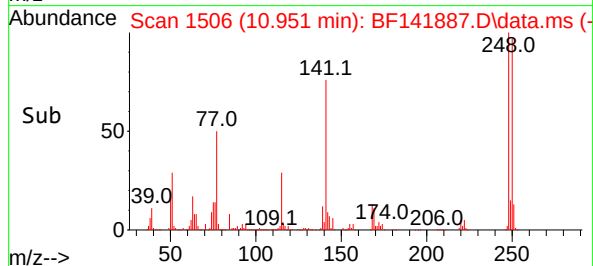
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:248 Resp: 30124
Ion Ratio Lower Upper
248 100
250 96.9 78.1 117.1
141 75.8 64.3 96.5

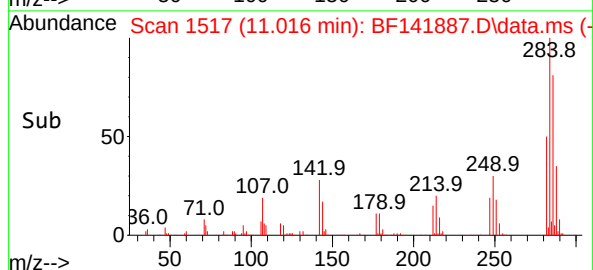
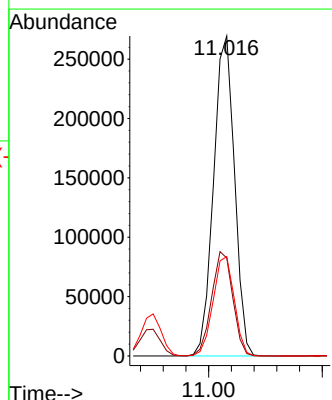
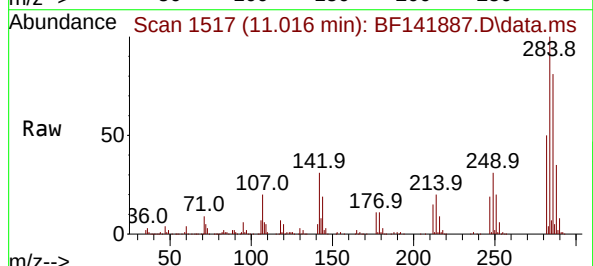
Manual Integrations
APPROVED

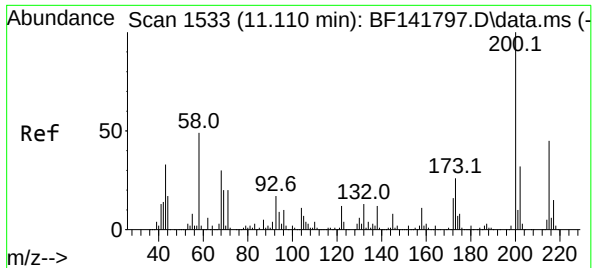
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#68
Hexachlorobenzene
Concen: 50.262 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:284 Resp: 344761
Ion Ratio Lower Upper
284 100
142 30.6 28.2 42.2
249 31.1 25.5 38.3





#69

Atrazine

Concen: 61.748 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

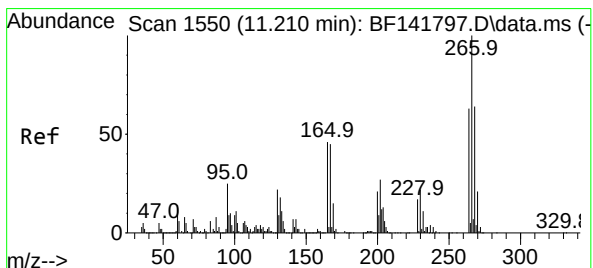
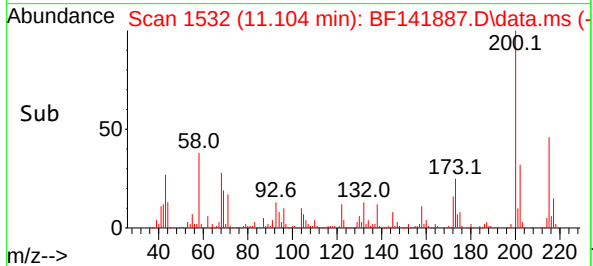
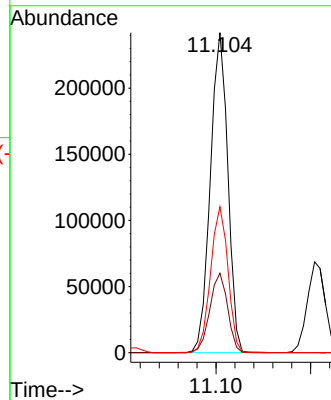
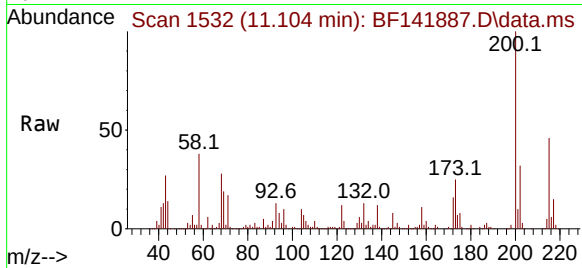
Tgt Ion:200 Resp: 310084

Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.6	45.6
215	45.6	25.3	65.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#70

Pentachlorophenol

Concen: 107.379 ng

RT: 11.204 min Scan# 1549

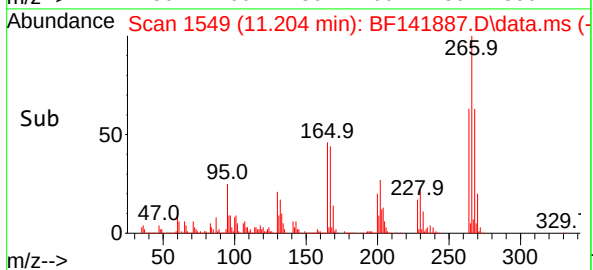
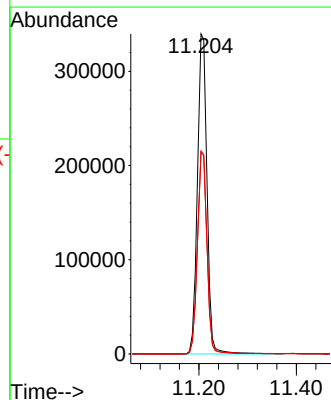
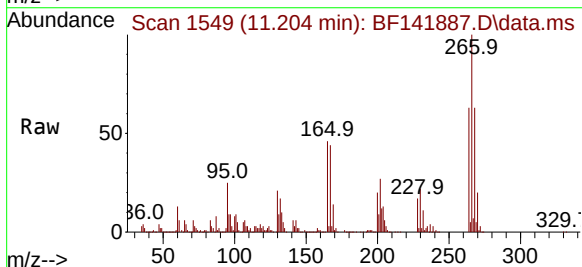
Delta R.T. -0.006 min

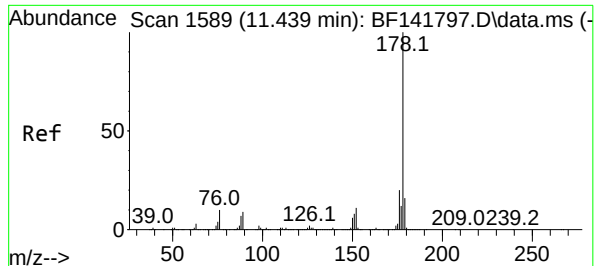
Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Tgt Ion:266 Resp: 467144

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.9	76.3
264	63.4	50.2	75.4





#71

Phenanthrene

Concen: 47.860 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:178 Resp: 142370

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

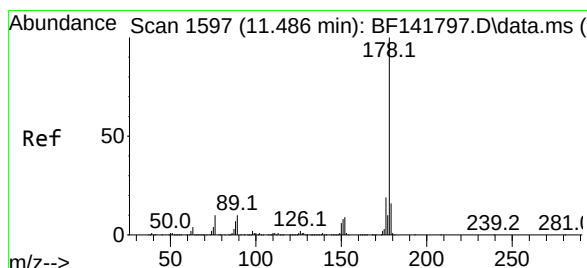
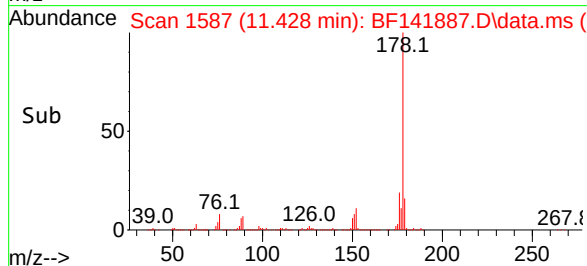
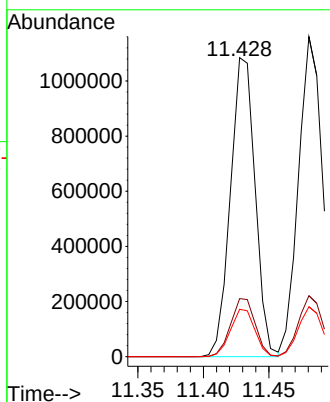
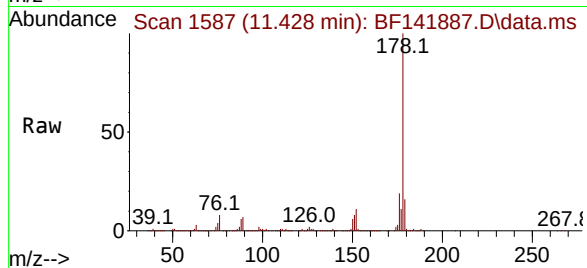
179 15.9 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#72

Anthracene

Concen: 49.103 ng

RT: 11.481 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

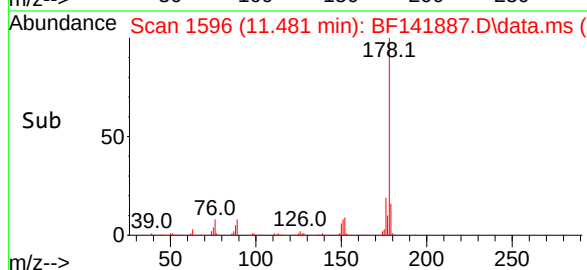
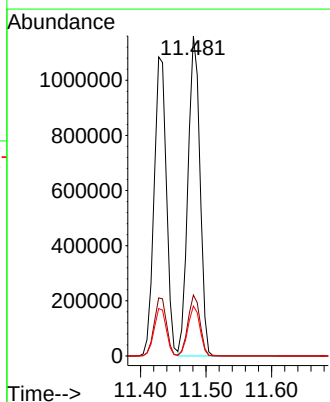
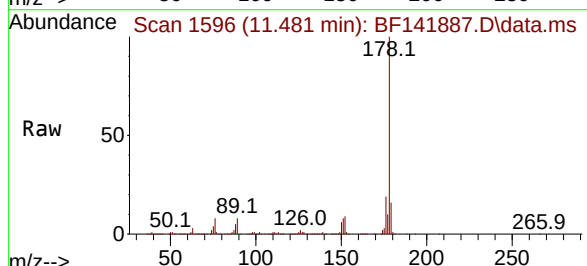
Tgt Ion:178 Resp: 1463911

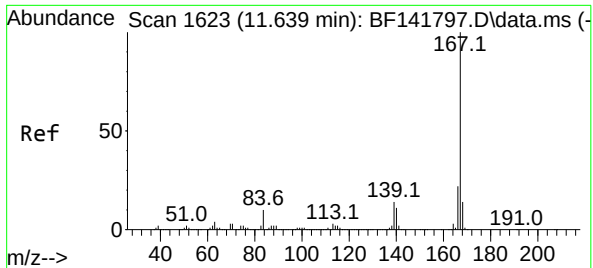
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

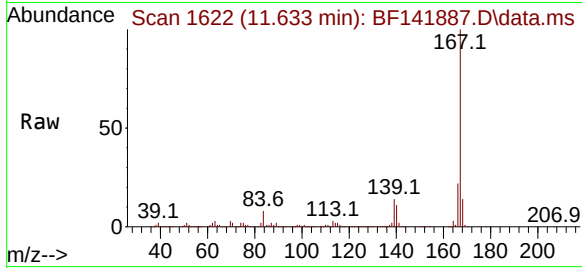
179 15.6 12.8 19.2





#73
Carbazole
Concen: 49.111 ng
RT: 11.633 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

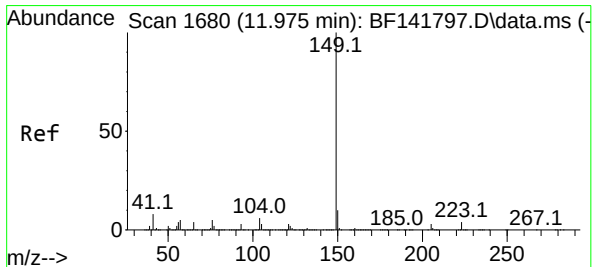
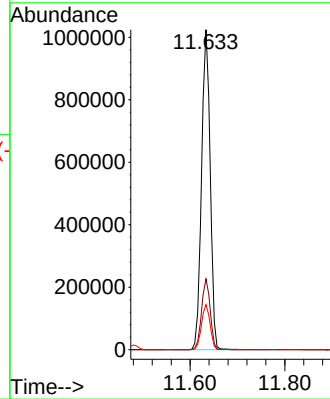
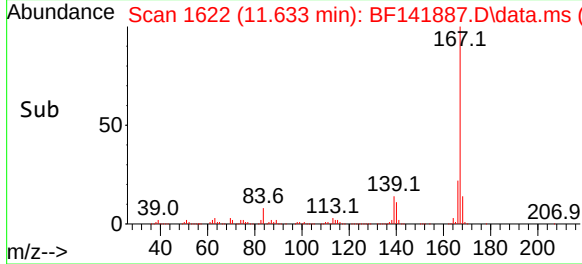
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:167 Resp: 129295
Ion Ratio Lower Upper
167 100
166 22.1 17.5 26.3
139 14.1 11.3 16.9

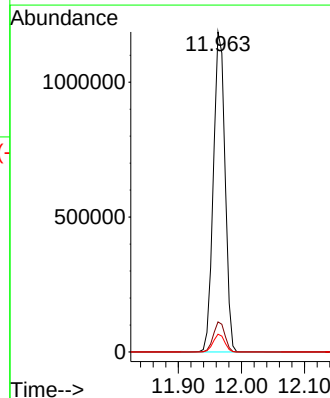
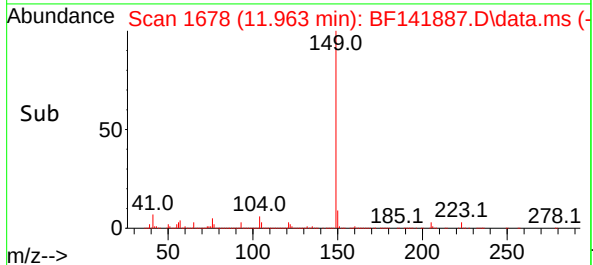
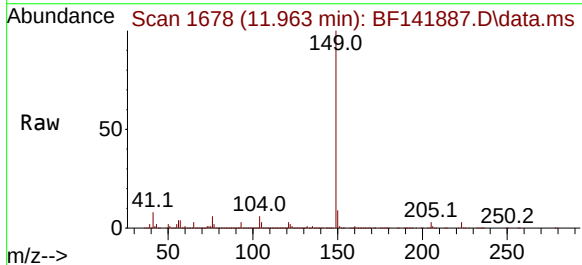
Manual Integrations
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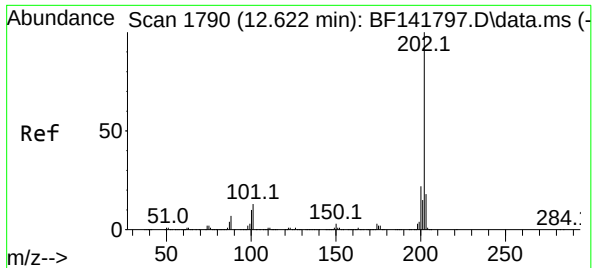
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#74
Di-n-butylphthalate
Concen: 45.485 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

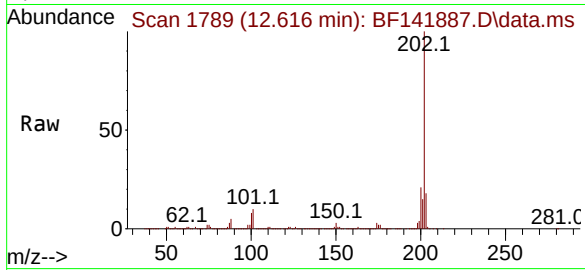
Tgt Ion:149 Resp: 1517925
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 5.5 4.4 6.6





#75
Fluoranthene
Concen: 51.127 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

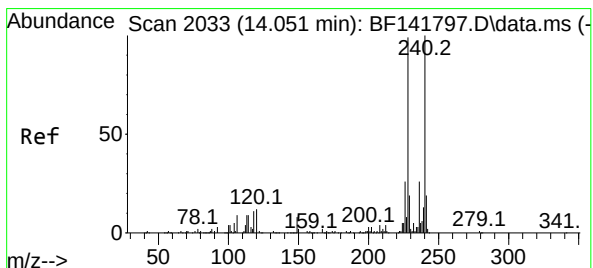
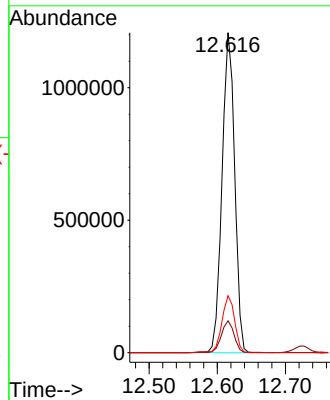
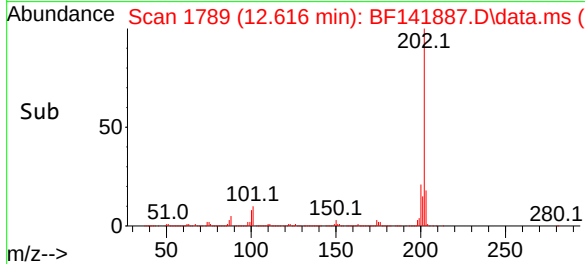
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:202 Resp: 1558398
Ion Ratio Lower Upper
202 100
101 10.0 0.0 32.8
203 17.8 0.0 38.0

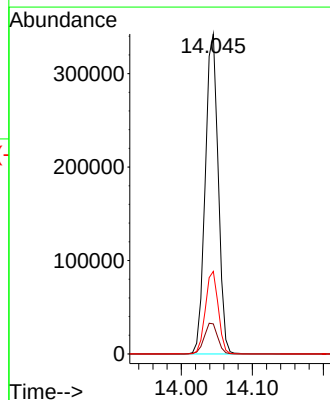
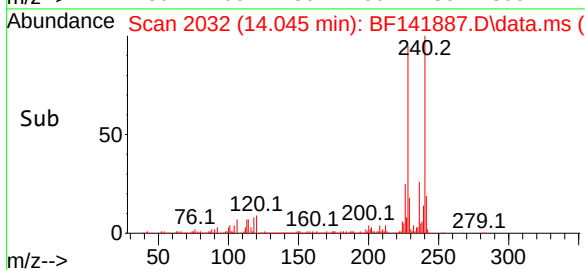
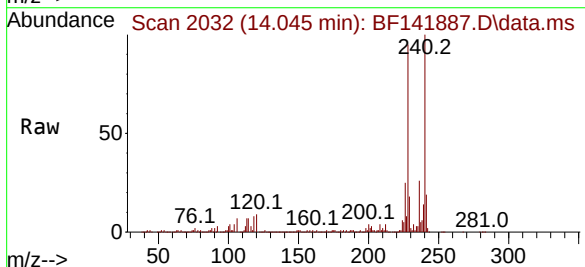
Manual Integrations
APPROVED

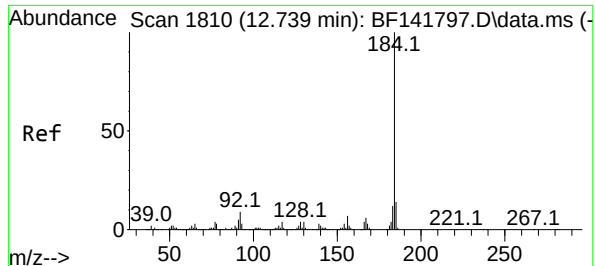
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:240 Resp: 435055
Ion Ratio Lower Upper
240 100
120 9.4 9.7 14.5#
236 25.8 21.0 31.4





#77

Benzidine

Concen: 15.180 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

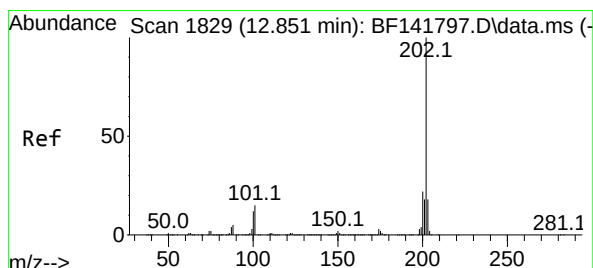
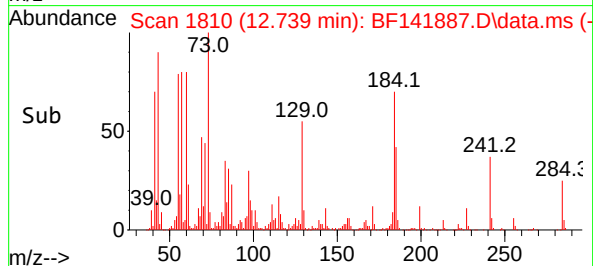
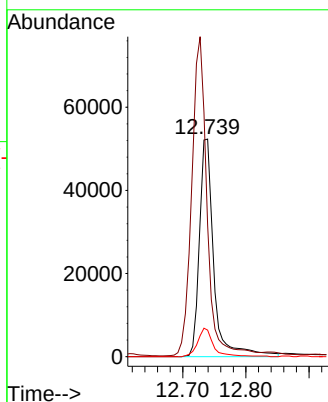
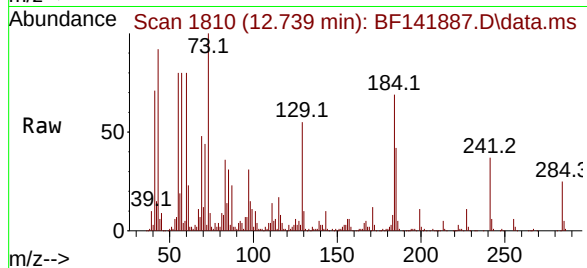
Tgt Ion:184	Resp:	8312
Ion Ratio	Lower	Upper
184	100	
185	60.4	11.6 17.4
183	12.2	9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#78

Pyrene

Concen: 41.950 ng

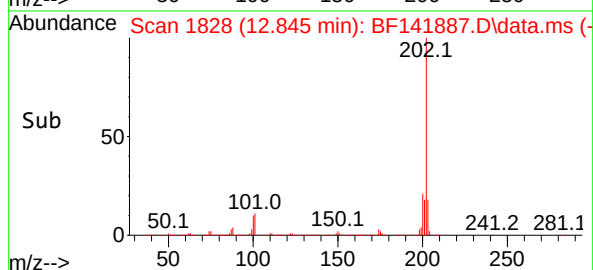
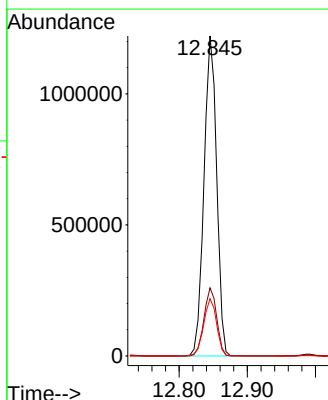
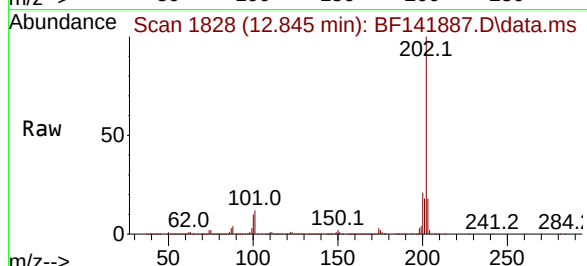
RT: 12.845 min Scan# 1828

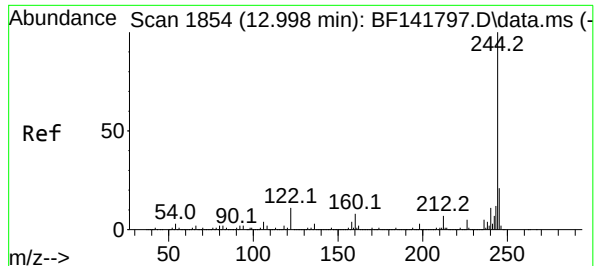
Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Tgt Ion:202	Resp:	1580372
Ion Ratio	Lower	Upper
202	100	
200	21.3	17.4 26.0
203	17.9	14.6 22.0





#79

Terphenyl-d14

Concen: 87.763 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:244 Resp: 235994

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

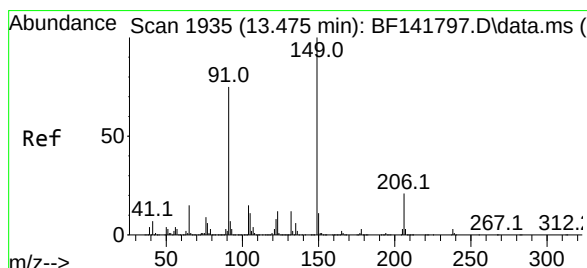
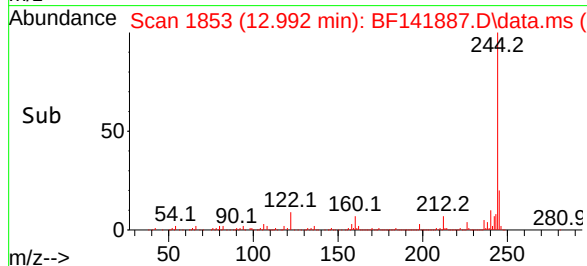
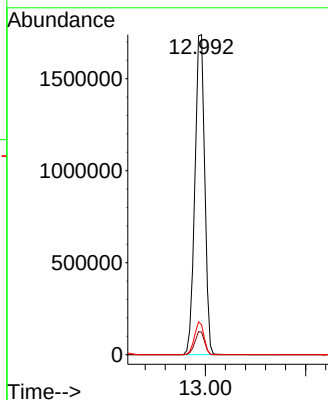
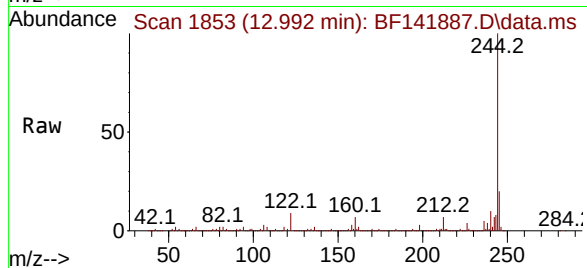
122 9.3 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#80

Butylbenzylphthalate

Concen: 46.538 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

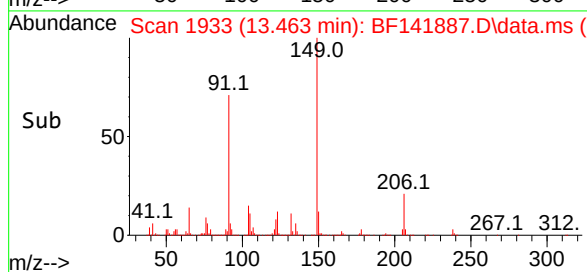
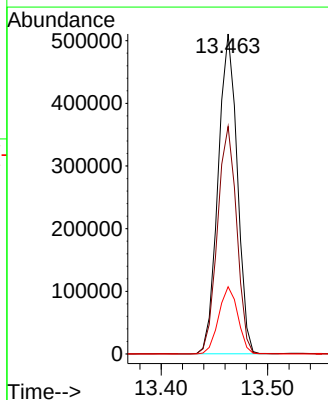
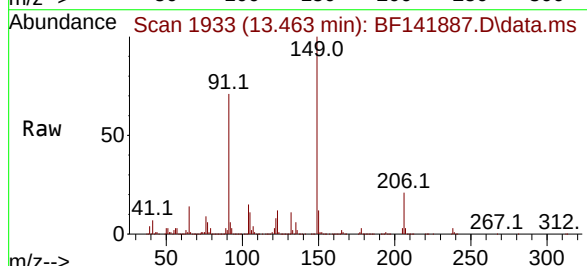
Tgt Ion:149 Resp: 636995

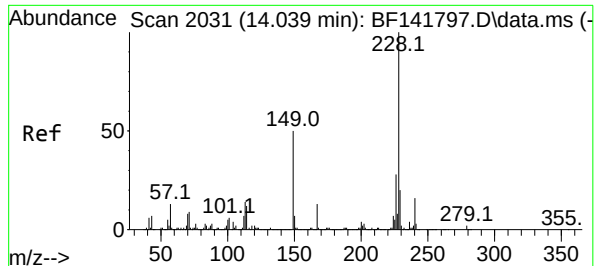
Ion Ratio Lower Upper

149 100

91 71.1 60.1 90.1

206 21.0 16.8 25.2





#81

Benzo(a)anthracene

Concen: 48.134 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:228 Resp: 138319

Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

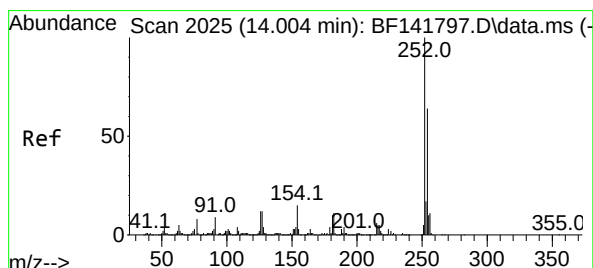
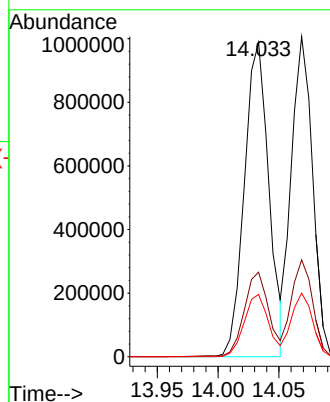
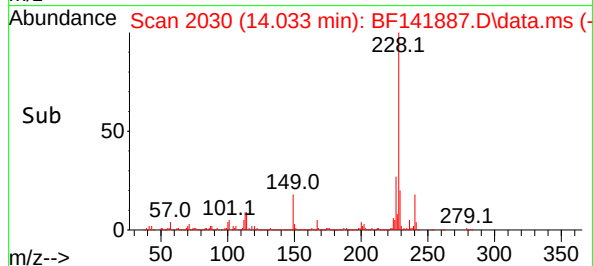
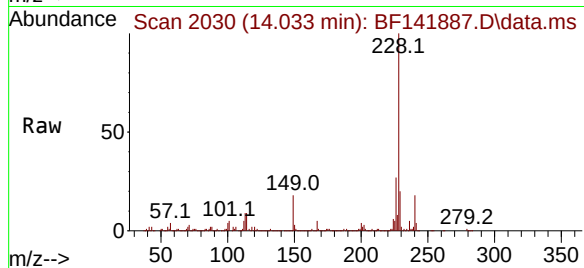
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#82

3,3'-Dichlorobenzidine

Concen: 22.071 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

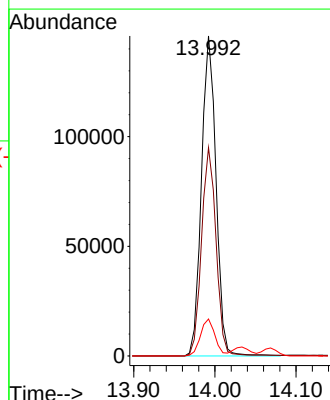
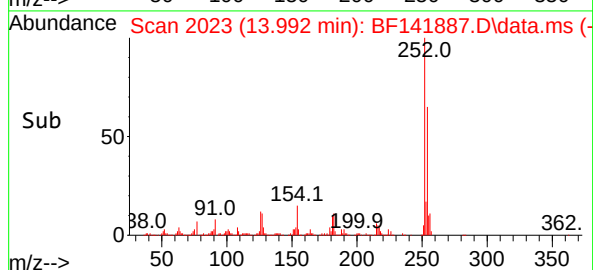
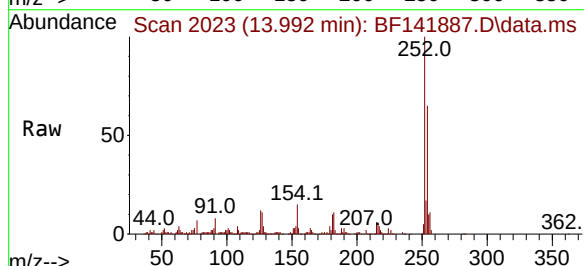
Tgt Ion:252 Resp: 181968

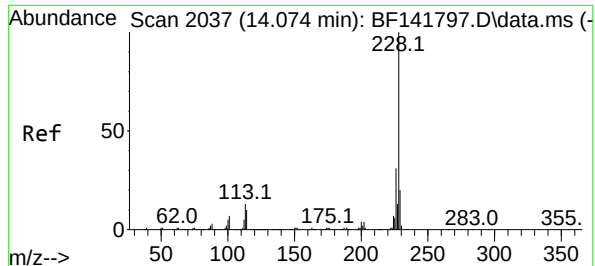
Ion Ratio Lower Upper

252 100

254 65.1 51.4 77.0

126 11.6 9.8 14.6





#83

Chrysene

Concen: 46.155 ng

RT: 14.069 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:228 Resp: 1222618

Ion Ratio Lower Upper

228 100

226 30.3 24.6 37.0

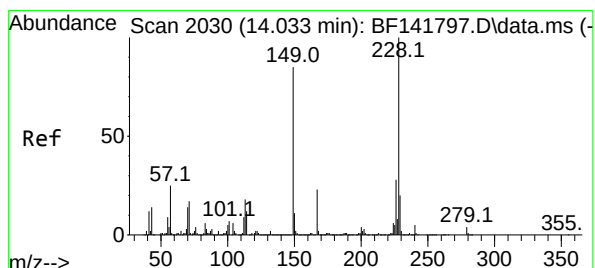
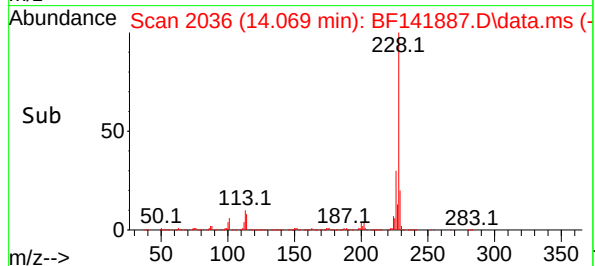
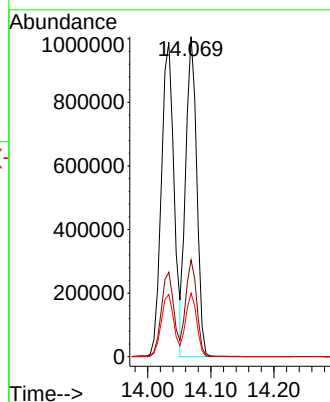
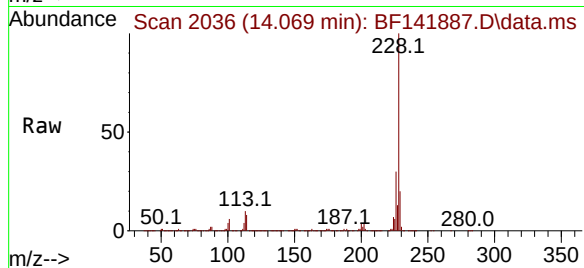
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.509 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

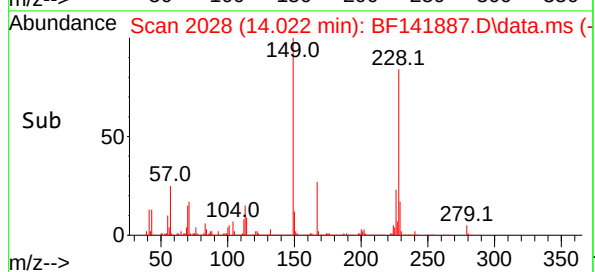
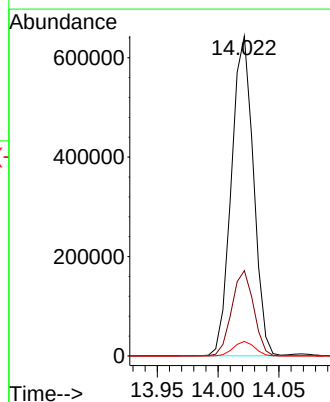
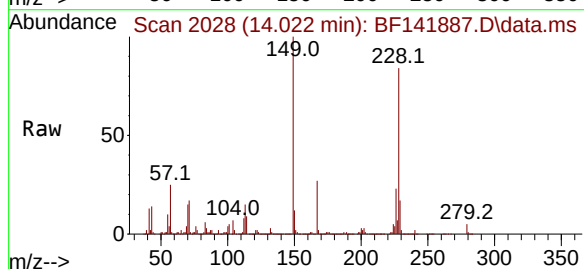
Tgt Ion:149 Resp: 809701

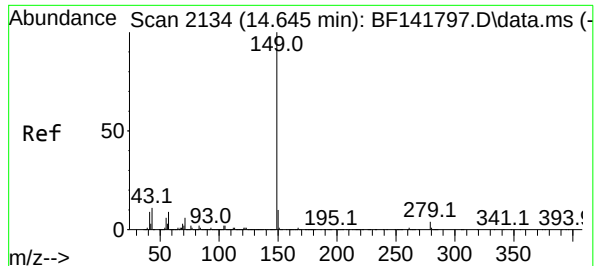
Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

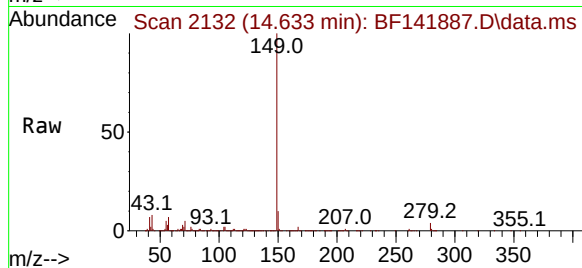
279 4.6 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 45.877 ng
RT: 14.633 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

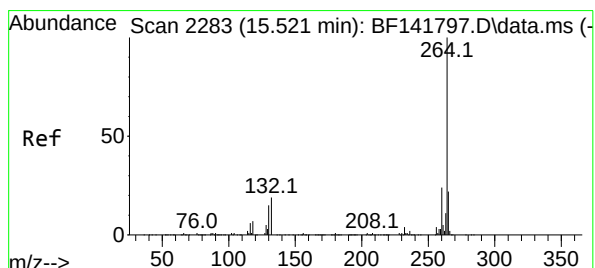
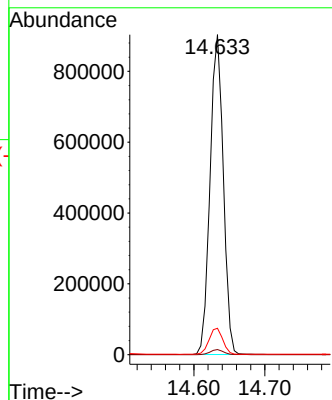
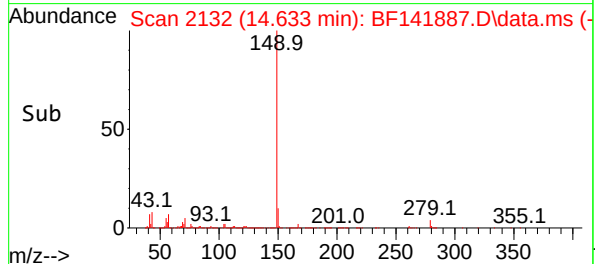
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:149 Resp: 117056
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 8.4 8.6 12.8

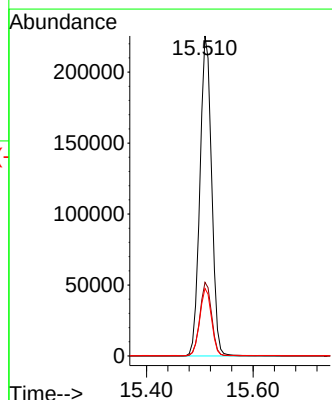
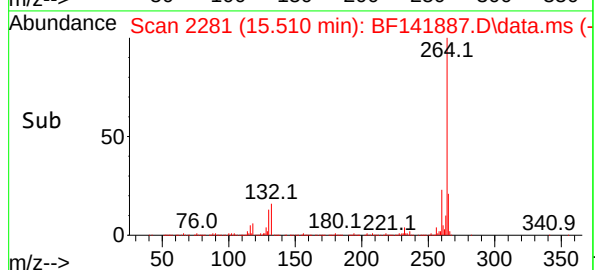
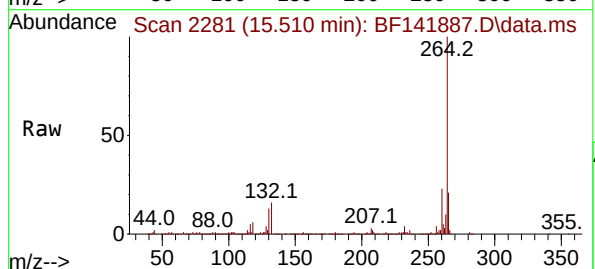
Manual Integrations
APPROVED

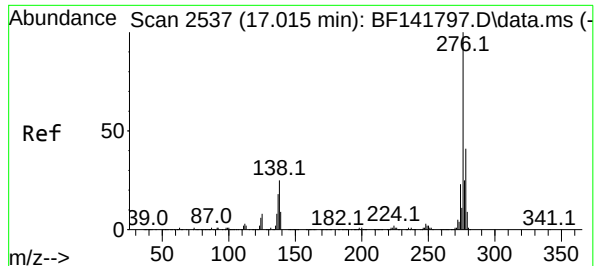
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:264 Resp: 343670
Ion Ratio Lower Upper
264 100
260 23.0 18.9 28.3
265 21.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.964 ng

RT: 17.004 min Scan# 211

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:276 Resp: 113716

Ion Ratio Lower Upper

276 100

138 22.3 22.5 33.7

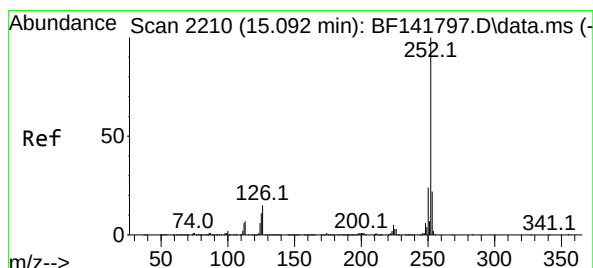
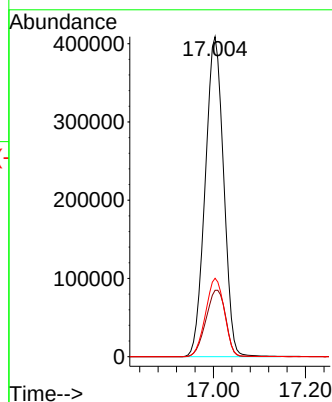
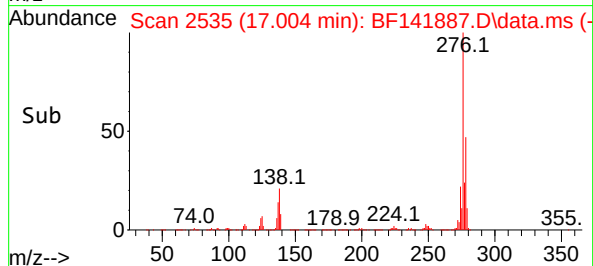
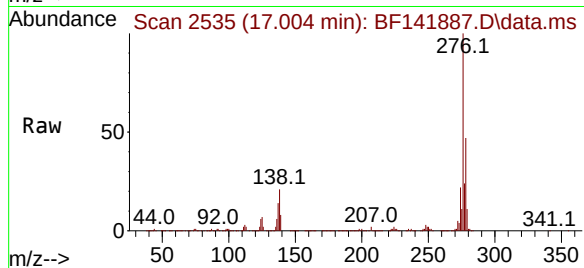
277 25.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#88

Benzo(b)fluoranthene

Concen: 47.920 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

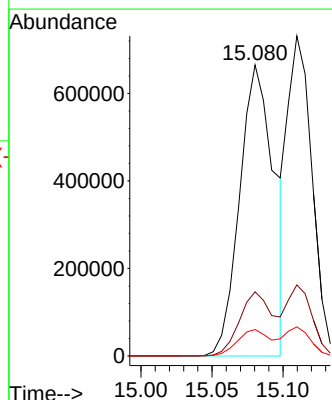
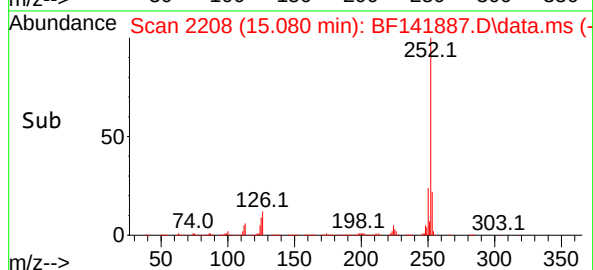
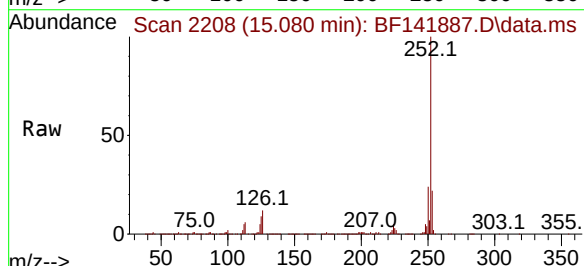
Tgt Ion:252 Resp: 1121801

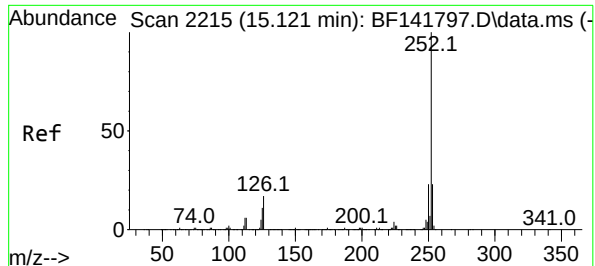
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 44.373 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MS

Tgt Ion:252 Resp: 88290

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

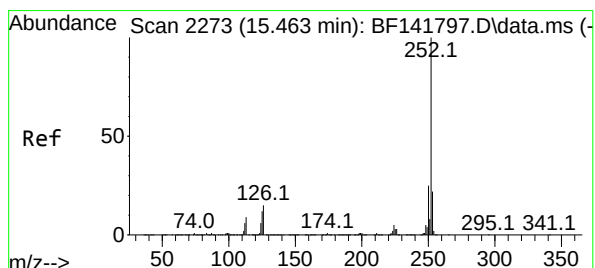
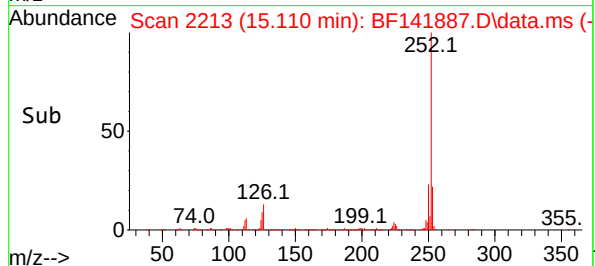
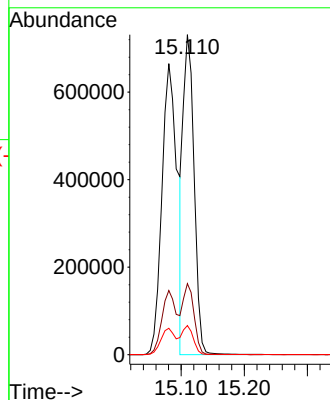
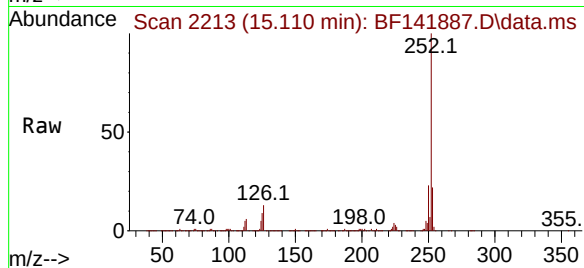
125 9.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#90

Benzo(a)pyrene

Concen: 49.716 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141887.D

Acq: 07 Mar 2025 11:29

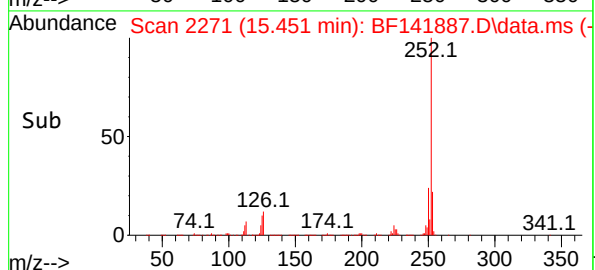
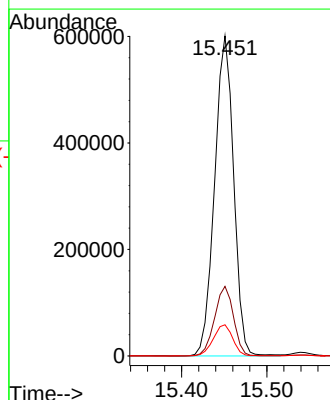
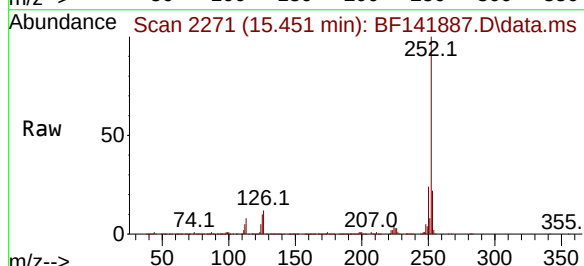
Tgt Ion:252 Resp: 933380

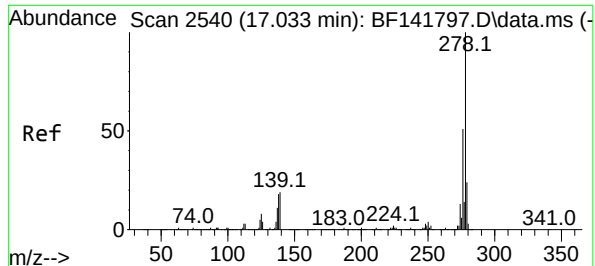
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

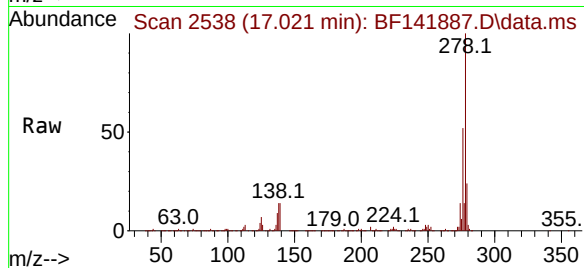
125 9.8 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 51.498 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

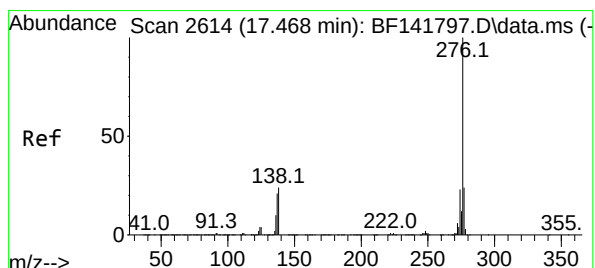
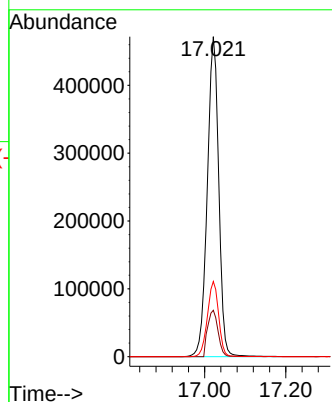
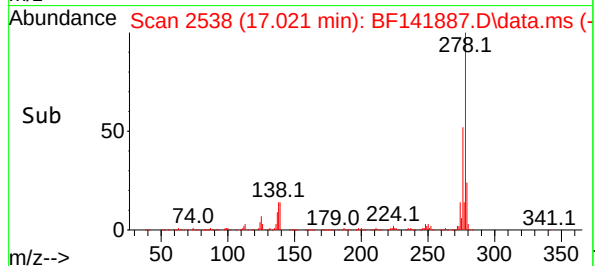
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MS



Tgt Ion:278 Resp: 91990
Ion Ratio Lower Upper
278 100
139 14.5 14.9 22.3
279 23.5 19.3 28.9

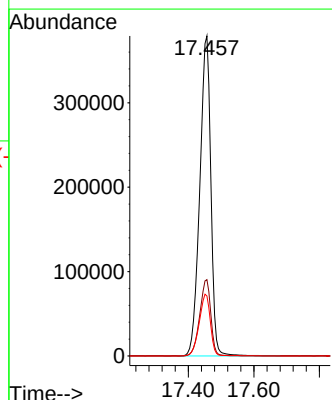
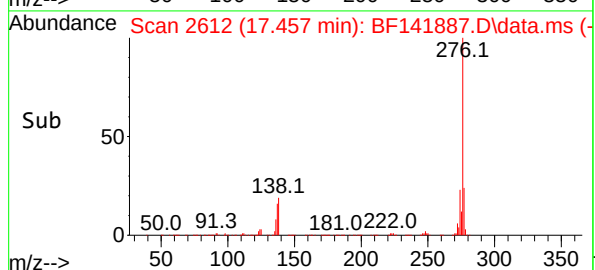
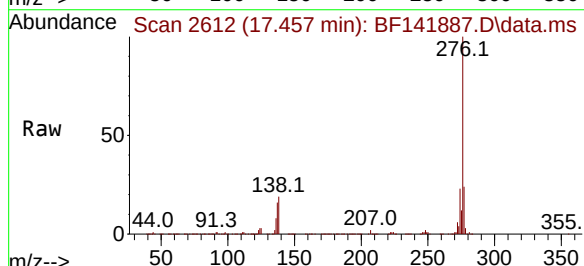
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 48.758 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141887.D
Acq: 07 Mar 2025 11:29

Tgt Ion:276 Resp: 892265
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 18.7 19.3 28.9#



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MSD	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MSD	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
BF141888.D	1	03/05/25 13:00	03/07/25 11:59	PB167016

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	230		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	340		8.40	50.0	ug/L
95-48-7	2-Methylphenol	430		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	450		11.5	100	ug/L
67-72-1	Hexachloroethane	330		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	390		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	600		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	480		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		30 (52) - 130 (132)	104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	205	*	15 (44) - 110 (137)	136%	SPK: 150
1718-51-0	Terphenyl-d14	89.6		30 (48) - 130 (125)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000		6.886		
1146-65-2	Naphthalene-d8	573000		8.163		
15067-26-2	Acenaphthene-d10	304000		9.916		
1517-22-2	Phenanthrene-d10	569000		11.404		
1719-03-5	Chrysene-d12	413000		14.039		
1520-96-3	Perylene-d12	370000		15.509		

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-SO-COMP-022825MSD	SDG No.:	Q1478
Lab Sample ID:	Q1478-13MSD	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
BF141888.D	1	03/05/25 13:00	03/07/25 11:59	PB167016

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\BF030725\
 Data File : BF141888.D
 Acq On : 07 Mar 2025 11:59
 Operator : RC/JU
 Sample : Q1478-13MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-COMP-022825MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 12:17:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	145924	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	573463	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	303593	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	568957	20.000	ng	0.00
76) Chrysene-d12	14.039	240	412687	20.000	ng	-0.01
86) Perylene-d12	15.509	264	369642	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1188951	130.118	ng	0.02
7) Phenol-d6	6.510	99	1514108	127.309	ng	0.00
23) Nitrobenzene-d5	7.445	82	1018675	113.545	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	583302	204.654	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1965727	103.821	ng	0.00
79) Terphenyl-d14	12.986	244	2284451	89.561	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.822	88	145332	35.053	ng	# 80
3) Pyridine	3.546	79	239986	23.264	ng	95
4) n-Nitrosodimethylamine	3.475	42	171369	34.525	ng	# 98
6) Aniline	6.551	93	153452	12.411	ng	100
8) 2-Chlorophenol	6.669	128	417987	42.287	ng	95
9) Benzaldehyde	6.439	77	91235	13.188	ng	98
10) Phenol	6.522	94	490881	38.625	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	363281	37.500	ng	95
12) 1,3-Dichlorobenzene	6.828	146	355371	33.571	ng	99
13) 1,4-Dichlorobenzene	6.904	146	362700	34.005	ng	99
14) 1,2-Dichlorobenzene	7.051	146	356447	35.789	ng	99
15) Benzyl Alcohol	7.022	79	379624	39.939	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	435876	29.627	ng	94
17) 2-Methylphenol	7.128	107	348794	42.750	ng	98
18) Hexachloroethane	7.398	117	131194	32.863	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	292851	37.458	ng	97
20) 3+4-Methylphenols	7.281	107	454538	44.740	ng	92
22) Acetophenone	7.292	105	633919	45.388	ng	97
24) Nitrobenzene	7.463	77	430420	44.802	ng	98
25) Isophorone	7.704	82	810074	42.029	ng	98
26) 2-Nitrophenol	7.781	139	219989	50.950	ng	97
27) 2,4-Dimethylphenol	7.810	122	376107	53.085	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	477100	38.804	ng	98
29) 2,4-Dichlorophenol	8.016	162	371450	45.445	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	352226	39.327	ng	98
31) Naphthalene	8.186	128	1167646	39.617	ng	99
32) Benzoic acid	7.910	122	281362	47.647	ng	97
33) 4-Chloroaniline	8.233	127	44524	4.120	ng	98
34) Hexachlorobutadiene	8.304	225	217994	39.168	ng	99
35) Caprolactam	8.592	113	113794m	45.256	ng	
36) 4-Chloro-3-methylphenol	8.710	107	419747	46.229	ng	98
37) 2-Methylnaphthalene	8.875	142	779155	40.304	ng	100
38) 1-Methylnaphthalene	8.975	142	771642	41.599	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	434072	49.506	ng	99
41) Hexachlorocyclopentadiene	9.028	237	523947	143.187	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	289710	51.151	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141888.D
 Acq On : 07 Mar 2025 11:59
 Operator : RC/JU
 Sample : Q1478-13MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SO-COMP-022825MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 12:17:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	304140	54.229	ng	98
46) 1,1'-Biphenyl	9.339	154	1166006	50.458	ng	98
47) 2-Chloronaphthalene	9.363	162	793175	46.505	ng	100
48) 2-Nitroaniline	9.457	65	253809	53.790	ng	96
49) Acenaphthylene	9.780	152	1260858	49.307	ng	100
50) Dimethylphthalate	9.639	163	1002628	49.315	ng	100
51) 2,6-Dinitrotoluene	9.698	165	218602	55.722	ng	95
52) Acenaphthene	9.951	154	918161	53.212	ng	99
53) 3-Nitroaniline	9.863	138	47916	13.818	ng	# 95
54) 2,4-Dinitrophenol	9.975	184	246319	118.427	ng	# 1
55) Dibenzofuran	10.127	168	1111678	44.265	ng	99
56) 4-Nitrophenol	10.022	139	346309	115.329	ng	96
57) 2,4-Dinitrotoluene	10.104	165	289053	59.902	ng	93
58) Fluorene	10.469	166	923723	49.103	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	259346	53.169	ng	99
60) Diethylphthalate	10.339	149	978673	48.017	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	463931	49.222	ng	99
62) 4-Nitroaniline	10.480	138	200872	57.854	ng	96
63) Azobenzene	10.622	77	909432	42.378	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	166889	59.870	ng	89
66) n-Nitrosodiphenylamine	10.574	169	791239	42.352	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	296123	44.559	ng	97
68) Hexachlorobenzene	11.016	284	338633	48.255	ng	96
69) Atrazine	11.104	200	298445	58.090	ng	99
70) Pentachlorophenol	11.204	266	445248	100.037	ng	99
71) Phenanthrene	11.427	178	1414386	46.475	ng	99
72) Anthracene	11.480	178	1441729	47.268	ng	100
73) Carbazole	11.633	167	1257282	46.679	ng	100
74) Di-n-butylphthalate	11.963	149	1488257	43.590	ng	99
75) Fluoranthene	12.616	202	1454377	46.638	ng	97
77) Benzidine	12.739	184	80335	15.466	ng	# 79
78) Pyrene	12.845	202	1530210	42.820	ng	99
80) Butylbenzylphthalate	13.463	149	605284	46.619	ng	96
81) Benzo(a)anthracene	14.027	228	1277832	46.878	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	162331	20.757	ng	99
83) Chrysene	14.068	228	1120992	44.612	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	752209	46.528	ng	99
85) Di-n-octyl phthalate	14.633	149	1043087	43.097	ng	96
87) Indeno(1,2,3-cd)pyrene	17.003	276	1232228	52.351	ng	95
88) Benzo(b)fluoranthene	15.080	252	951233	37.779	ng	99
89) Benzo(k)fluoranthene	15.109	252	980242	45.803	ng	98
90) Benzo(a)pyrene	15.451	252	960500	47.566	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	993711	51.721	ng	# 96
92) Benzo(g,h,i)perylene	17.451	276	967540	49.156	ng	96

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

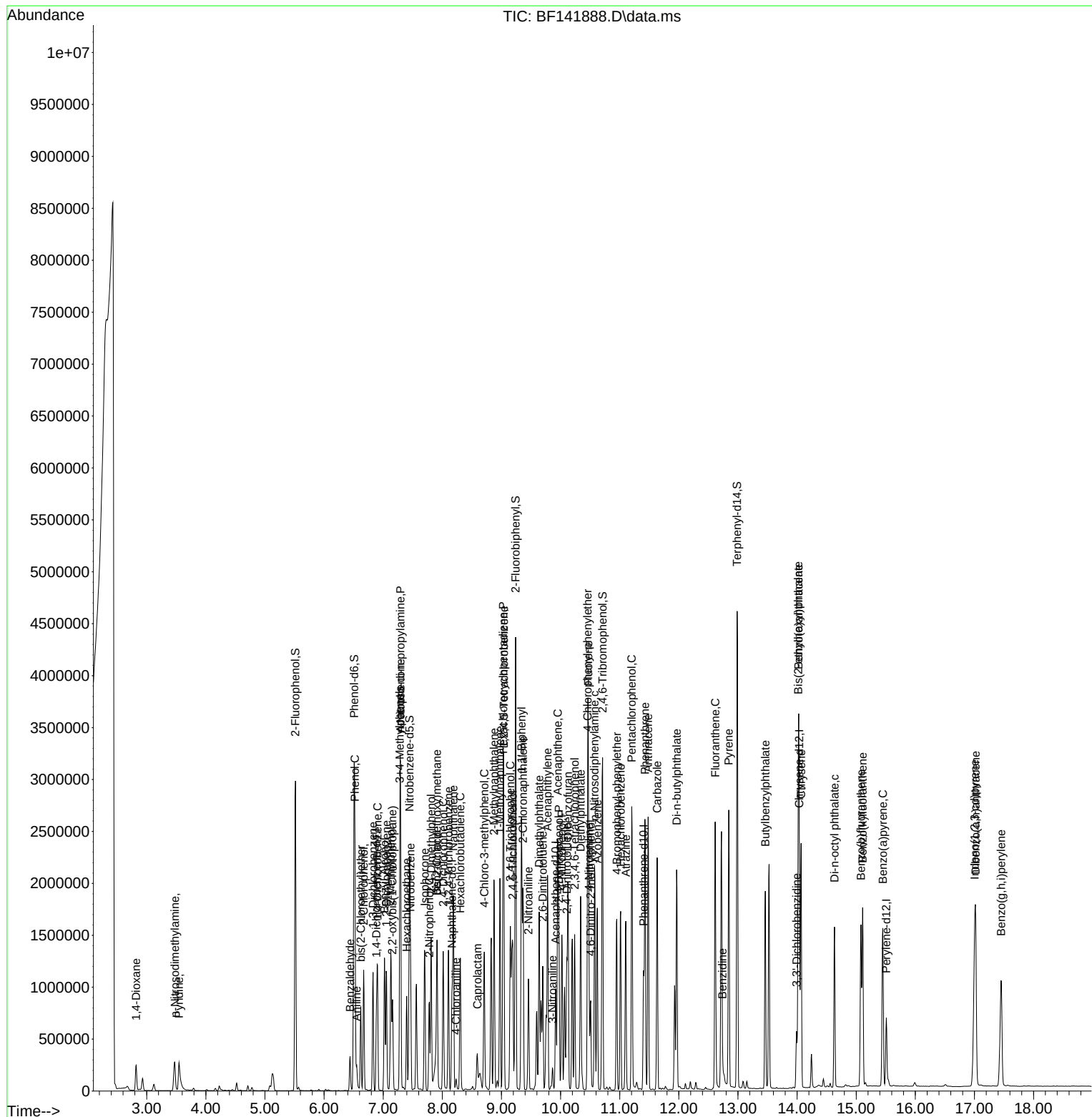
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Data File : BF141888.D  
Acq On    : 07 Mar 2025  11:59  
Operator  : RC/JU  
Sample    : Q1478-13MSD  
Misc      :  
ALS Vial  : 8    Sample Multiplier: 1
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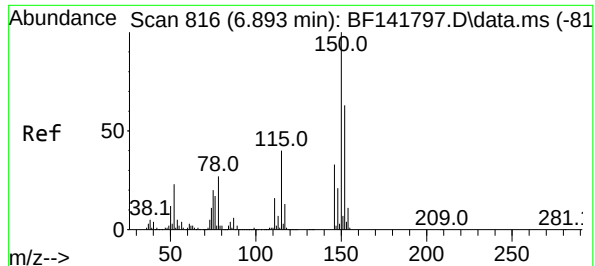
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jaqrut Upadhyay 03/10/2025

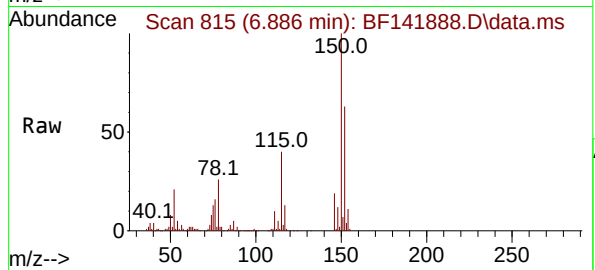
Quant Time: Mar 07 12:17:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.007 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

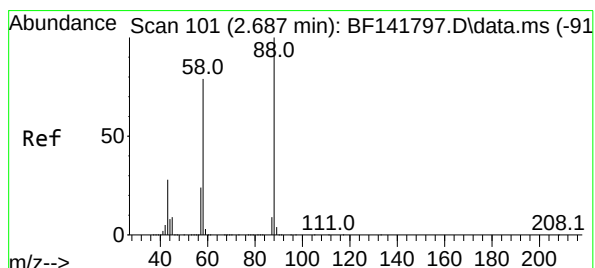
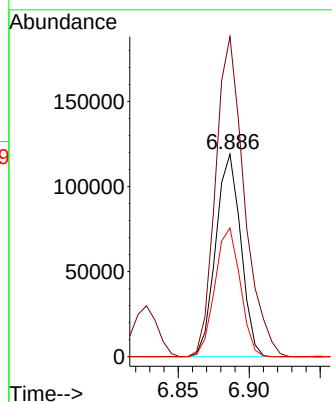
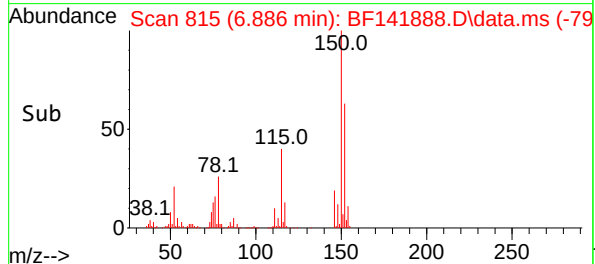
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:152 Resp: 145924
Ion Ratio Lower Upper
152 100
150 158.1 127.5 191.3
115 63.6 51.4 77.2

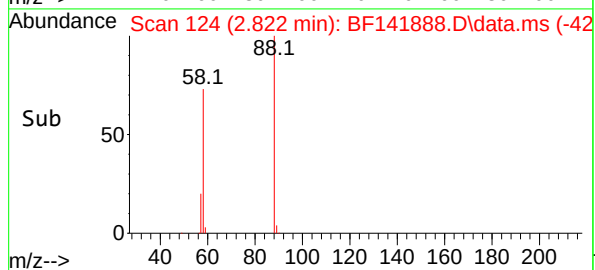
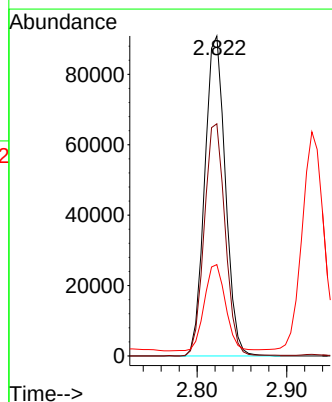
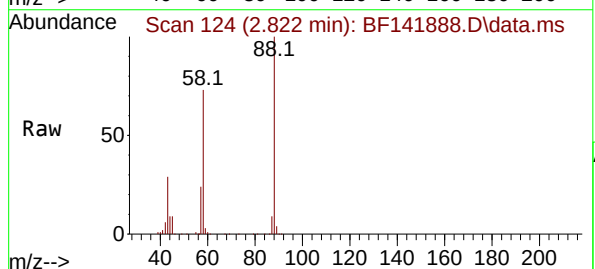
Manual Integrations
APPROVED

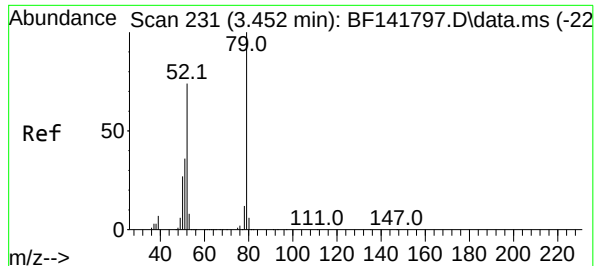
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#2
1,4-Dioxane
Concen: 35.053 ng
RT: 2.822 min Scan# 124
Delta R.T. 0.135 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

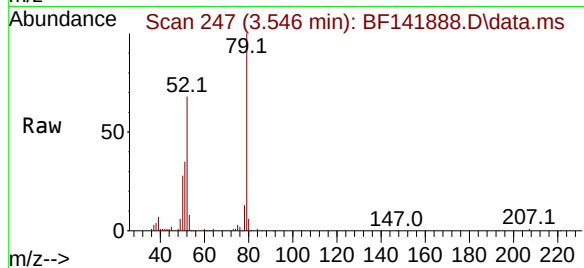
Tgt Ion: 88 Resp: 145332
Ion Ratio Lower Upper
88 100
58 73.7 63.9 95.9
43 0.0 23.0 34.6#





#3
Pyridine
Concen: 23.264 ng
RT: 3.546 min Scan# 24
Delta R.T. 0.089 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

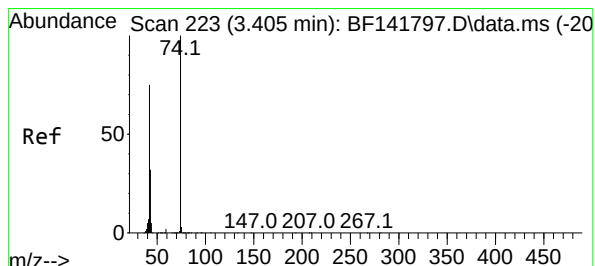
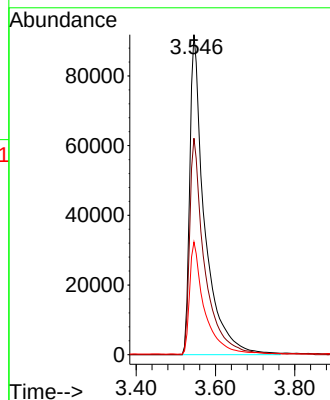
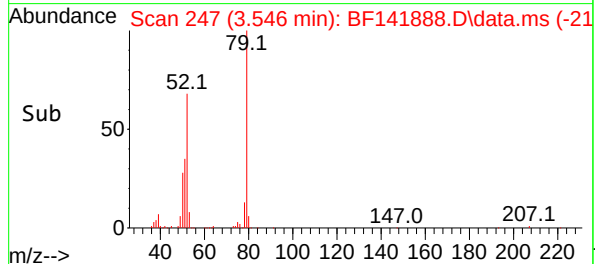
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



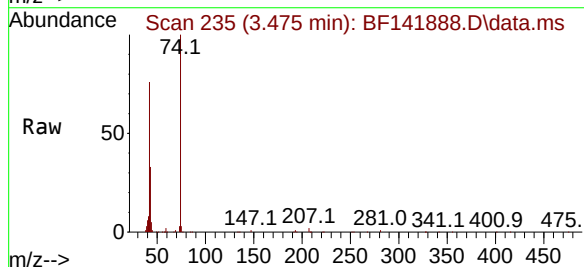
Tgt Ion: 79 Resp: 239980
Ion Ratio Lower Upper
79 100
52 67.6 59.0 88.4
51 35.2 29.0 43.4

Manual Integrations
APPROVED

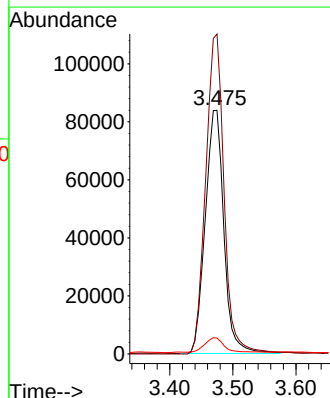
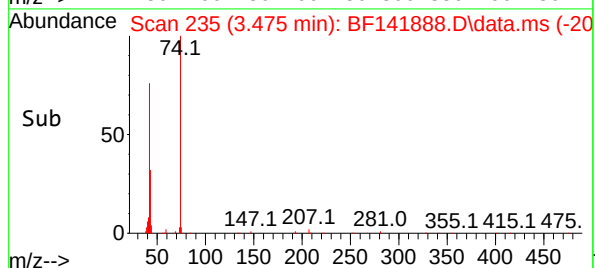
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

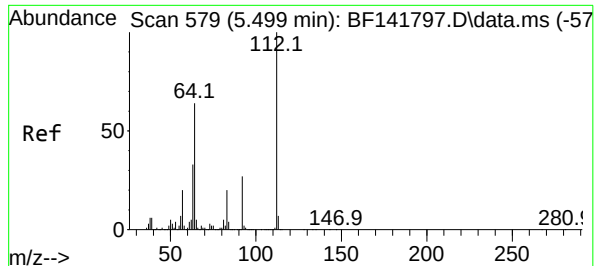


#4
n-Nitrosodimethylamine
Concen: 34.525 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.070 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59



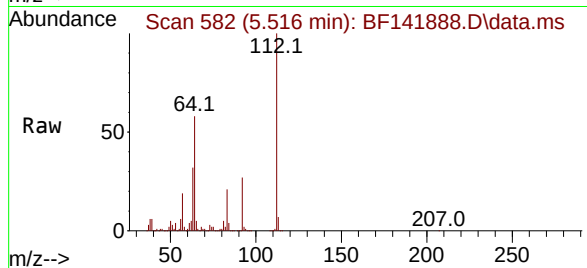
Tgt Ion: 42 Resp: 171369
Ion Ratio Lower Upper
42 100
74 131.4 107.1 160.7
44 6.5 6.6 9.8





#5
2-Fluorophenol
Concen: 130.118 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

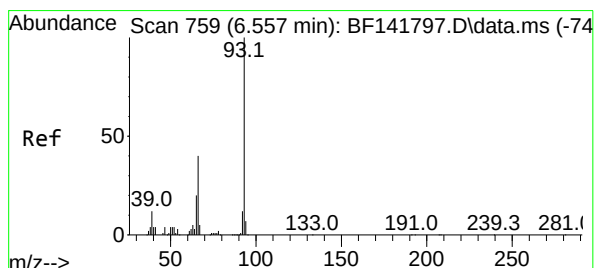
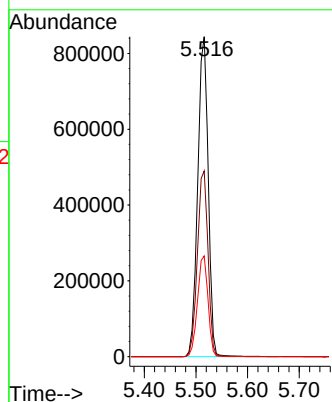
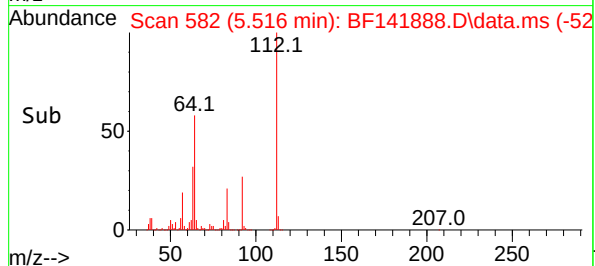
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion: 112 Resp: 118895
Ion Ratio Lower Upper
112 100
64 58.0 51.3 76.9
63 31.5 26.2 39.4

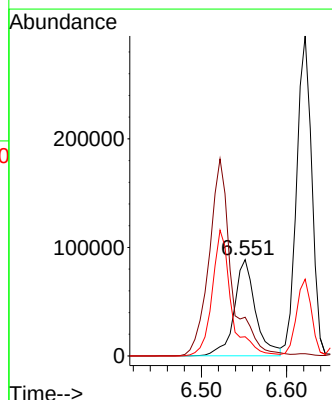
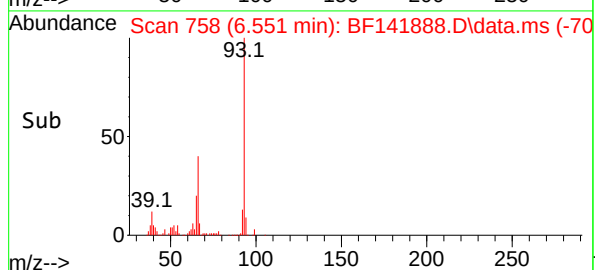
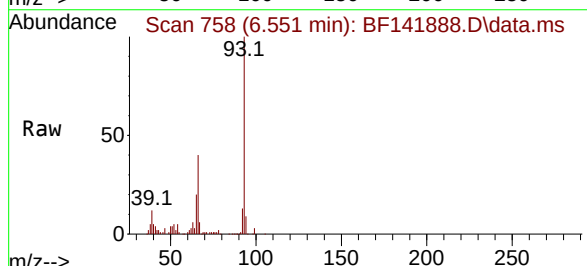
Manual Integrations
APPROVED

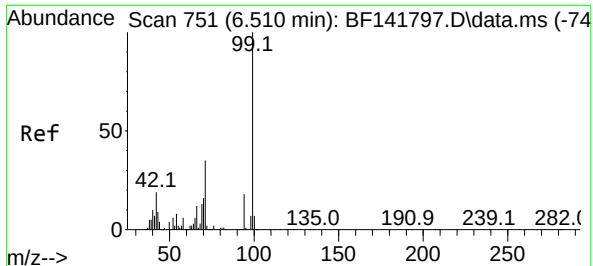
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#6
Aniline
Concen: 12.411 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

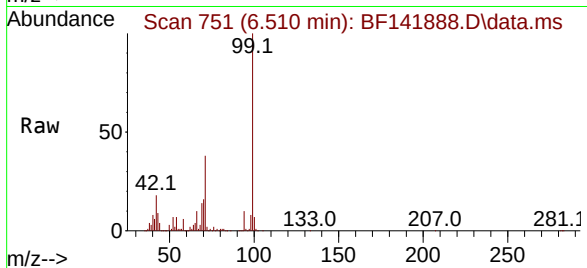
Tgt Ion: 93 Resp: 153452
Ion Ratio Lower Upper
93 100
66 40.3 32.3 48.5
65 20.0 15.9 23.9





#7
Phenol-d6
Concen: 127.309 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

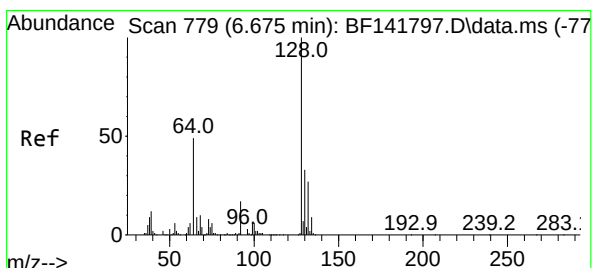
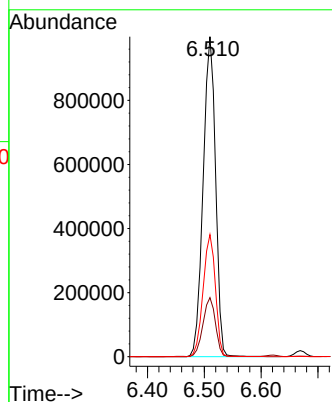
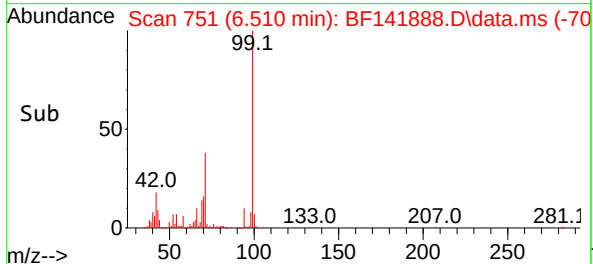
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



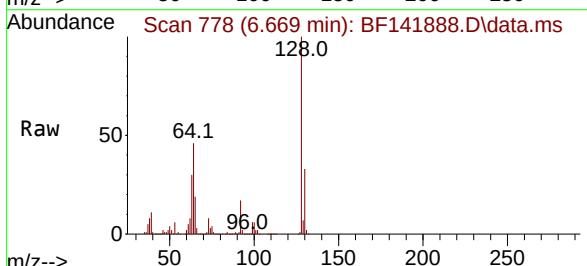
Tgt Ion: 99 Resp: 1514108
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 38.2 28.2 42.2

Manual Integrations
APPROVED

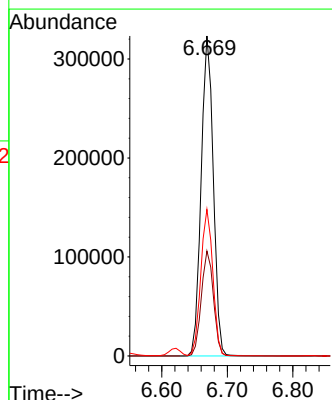
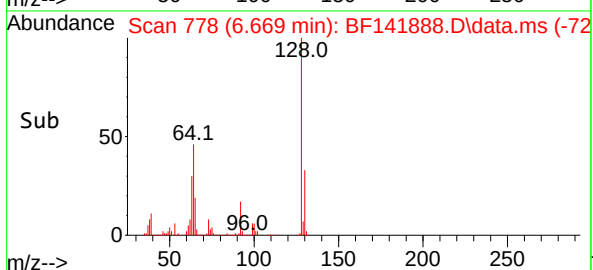
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

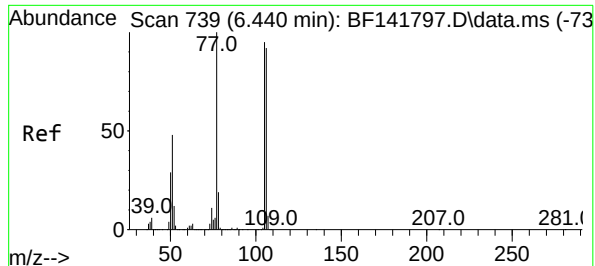


#8
2-Chlorophenol
Concen: 42.287 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59



Tgt Ion:128 Resp: 417987
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 45.8 31.1 71.1





#9

Benzaldehyde

Concen: 13.188 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141888.D

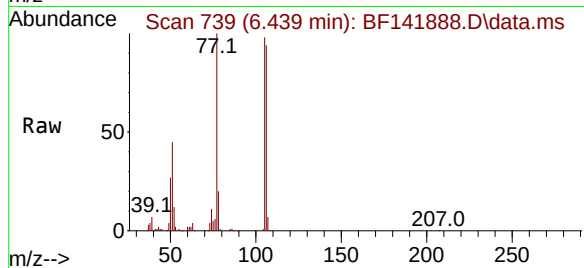
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion: 77 Resp: 91235

Ion Ratio Lower Upper

77 100

105 98.5 75.3 115.3

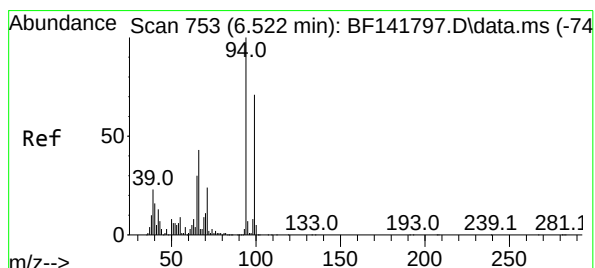
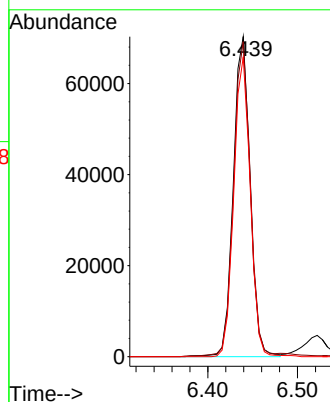
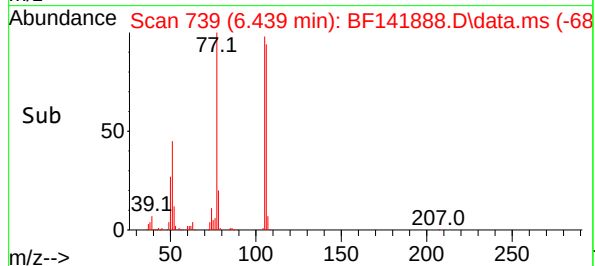
106 93.6 72.3 112.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#10

Phenol

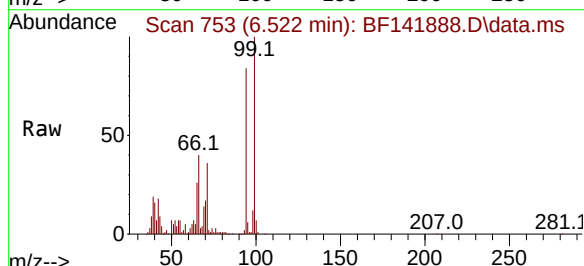
Concen: 38.625 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.000 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59



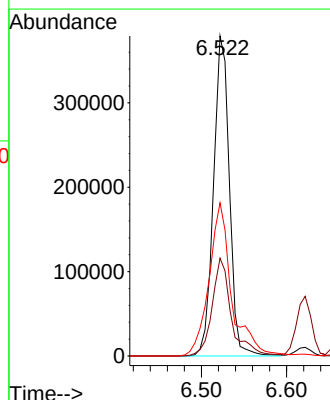
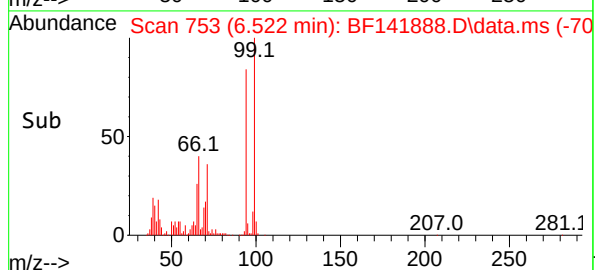
Tgt Ion: 94 Resp: 490881

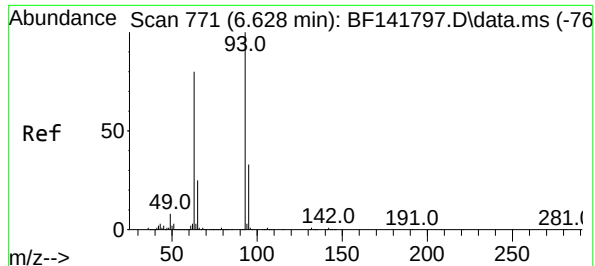
Ion Ratio Lower Upper

94 100

65 30.5 10.2 50.2

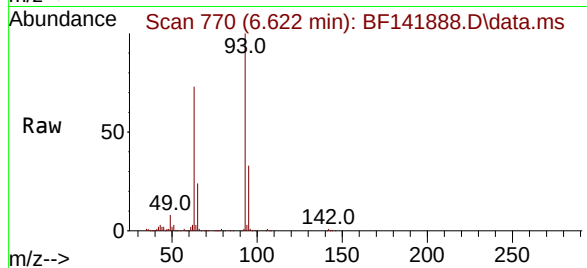
66 47.9 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 37.500 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

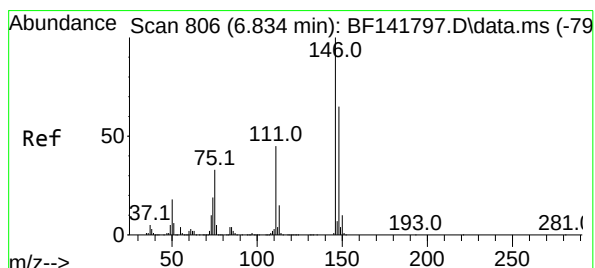
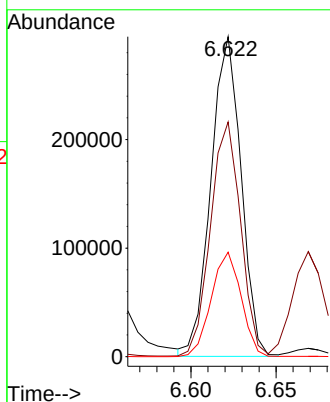
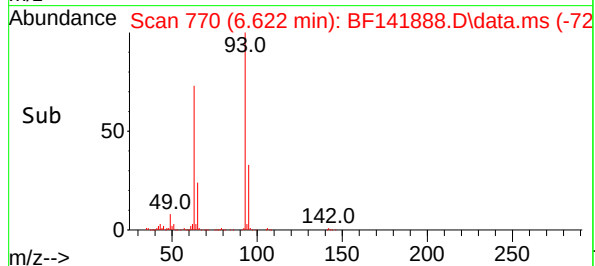
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion: 93 Resp: 36328
Ion Ratio Lower Upper
93 100
63 73.3 59.3 99.3
95 32.6 13.2 53.2

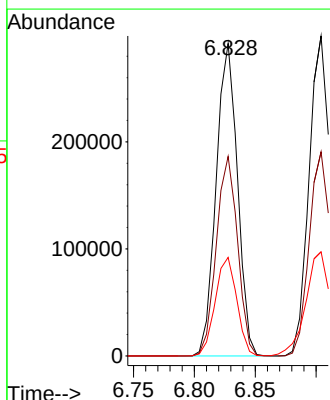
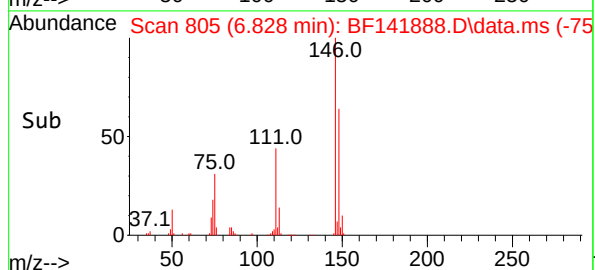
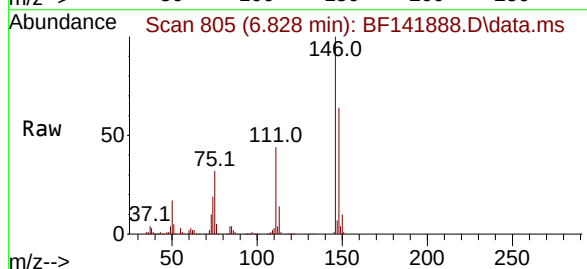
Manual Integrations
APPROVED

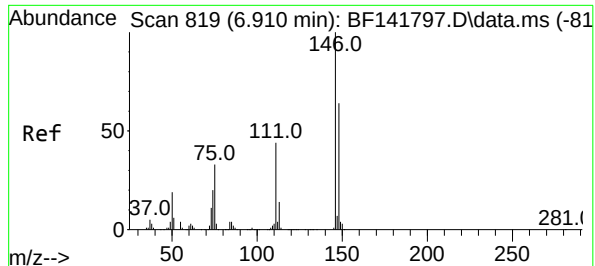
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#12
1,3-Dichlorobenzene
Concen: 33.571 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:146 Resp: 355371
Ion Ratio Lower Upper
146 100
148 63.8 51.8 77.6
75 31.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 34.005 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:146 Resp: 362700

Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.2

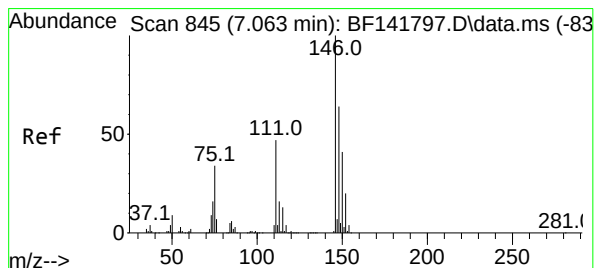
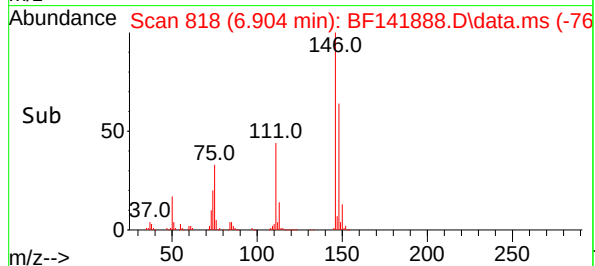
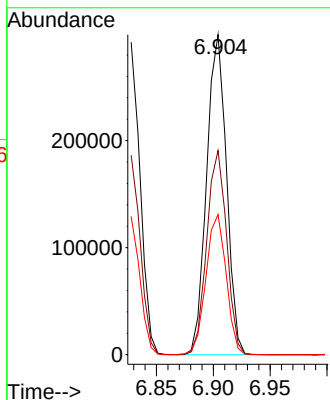
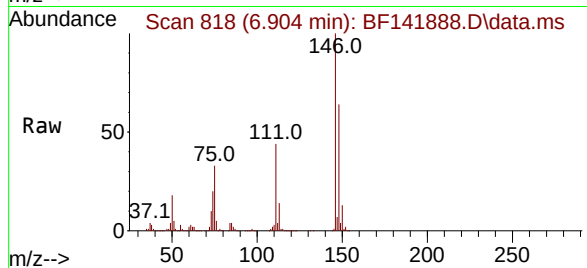
111 43.8 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#14

1,2-Dichlorobenzene

Concen: 35.789 ng

RT: 7.051 min Scan# 843

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

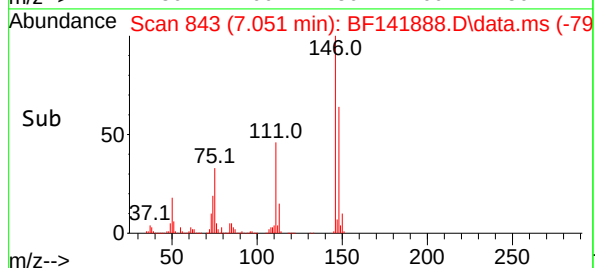
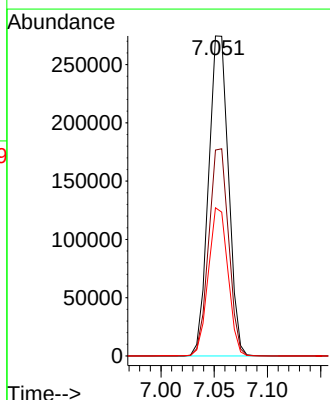
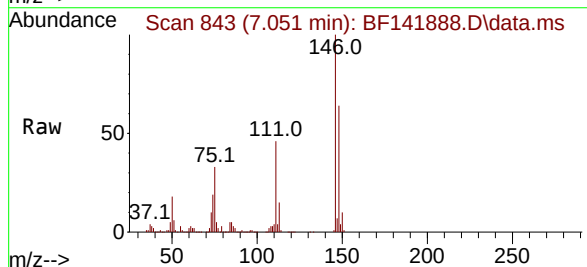
Tgt Ion:146 Resp: 356447

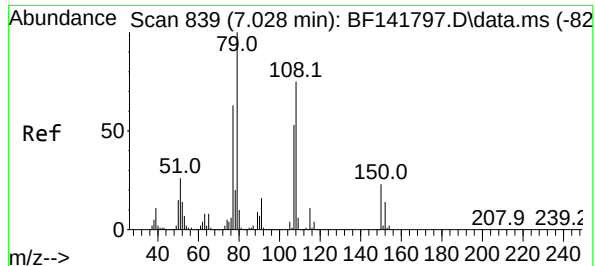
Ion Ratio Lower Upper

146 100

148 64.3 51.2 76.8

111 46.3 37.8 56.6





#15

Benzyl Alcohol

Concen: 39.939 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion: 79 Resp: 379624

Ion Ratio Lower Upper

79 100

108 74.9 60.2 90.2

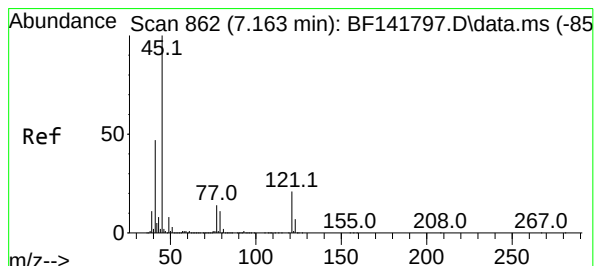
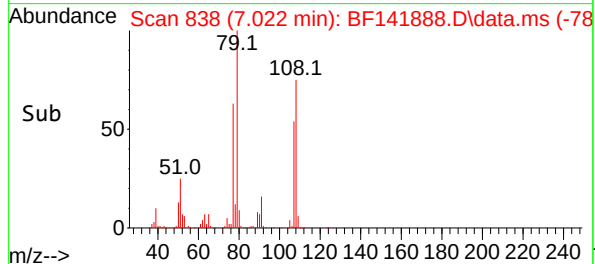
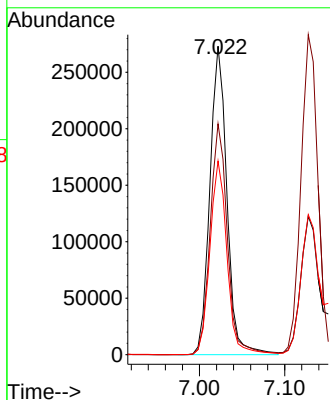
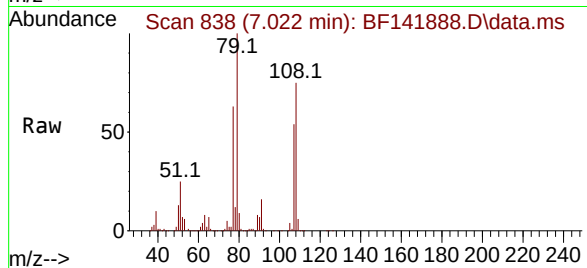
77 62.8 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.627 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

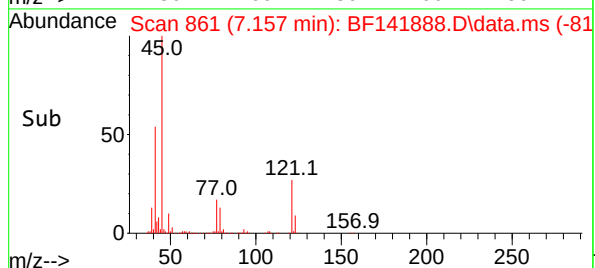
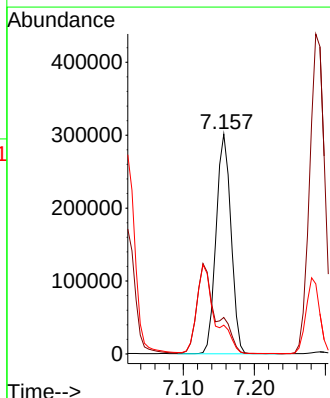
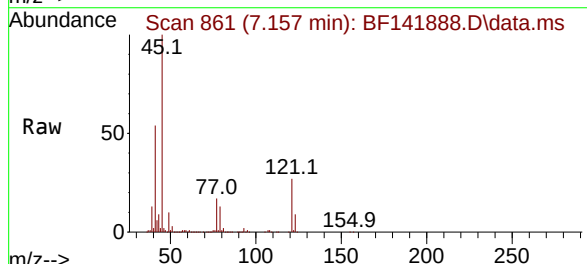
Tgt Ion: 45 Resp: 435876

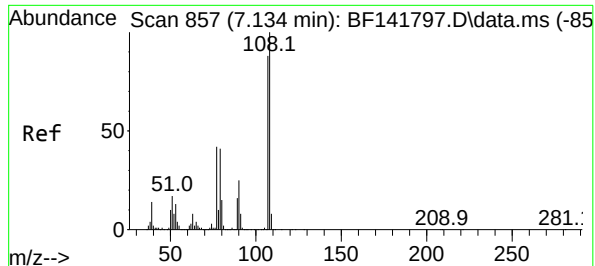
Ion Ratio Lower Upper

45 100

77 16.6 0.0 34.4

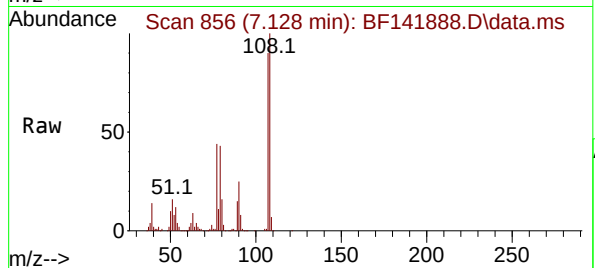
79 13.1 0.0 30.9





#17
2-Methylphenol
Concen: 42.750 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

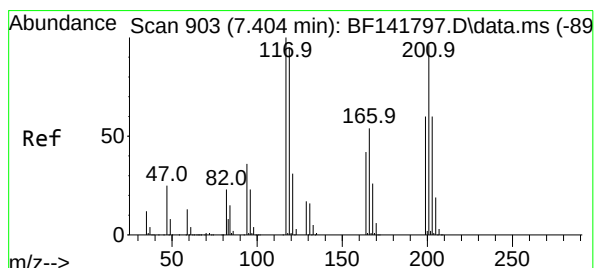
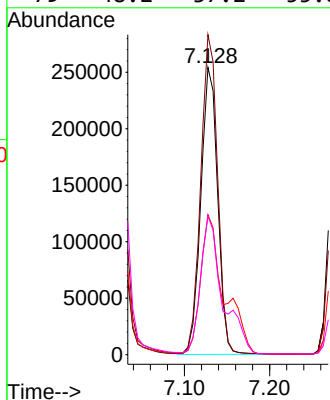
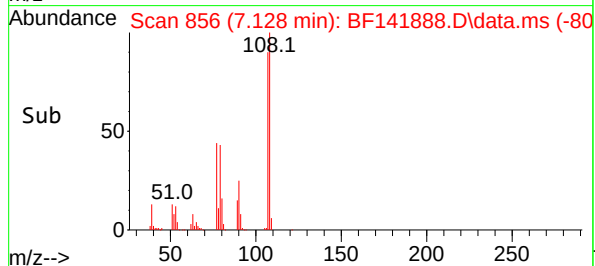
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:107 Resp: 348794
Ion Ratio Lower Upper
107 100
108 111.4 90.6 135.8
77 48.8 37.7 56.5
79 48.2 37.2 55.8

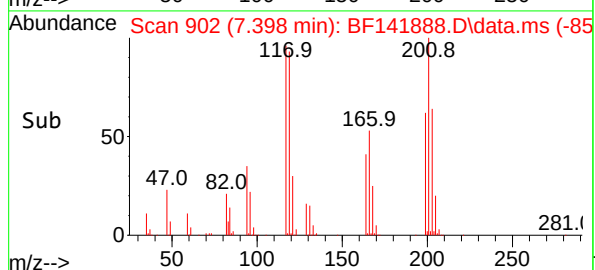
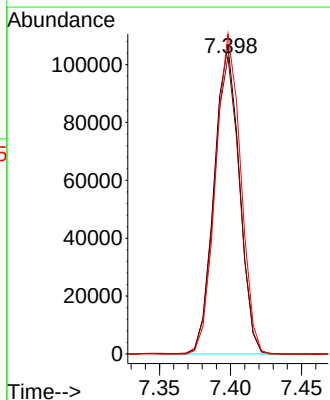
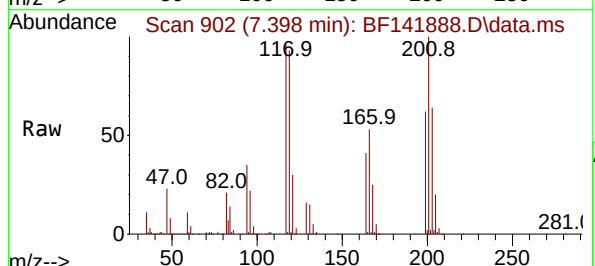
Manual Integrations
APPROVED

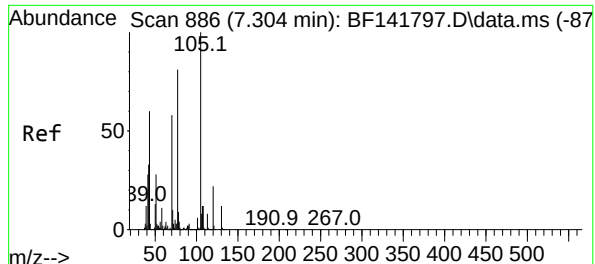
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#18
Hexachloroethane
Concen: 32.863 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:117 Resp: 131194
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8
201 103.7 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 37.458 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF141888.D

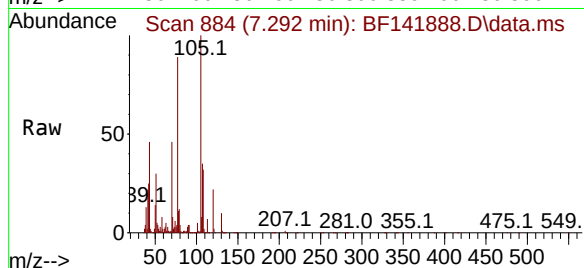
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion: 70 Resp: 29285

Ion Ratio Lower Upper

70 100

42 54.6 45.4 68.0

101 10.1 7.8 11.8

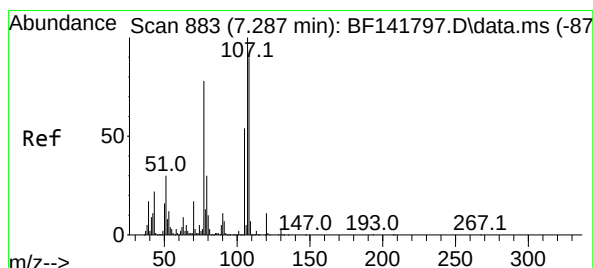
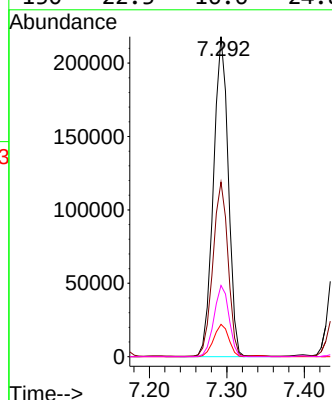
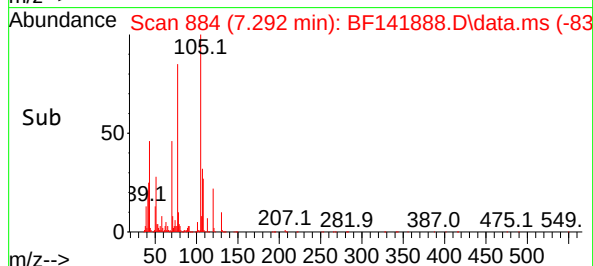
130 22.3 16.6 24.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#20

3+4-Methylphenols

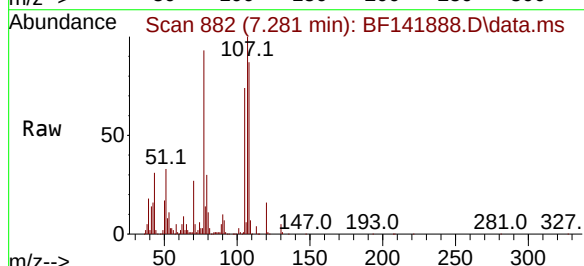
Concen: 44.740 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59



Tgt Ion:107 Resp: 454538

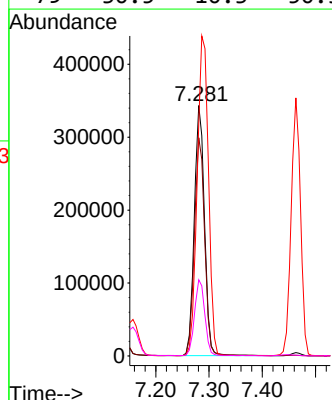
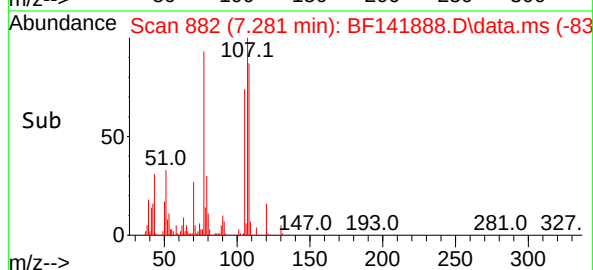
Ion Ratio Lower Upper

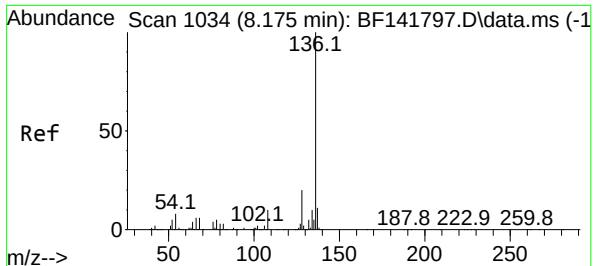
107 100

108 87.2 69.7 109.7

77 92.7 58.3 98.3

79 30.5 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF141888.D

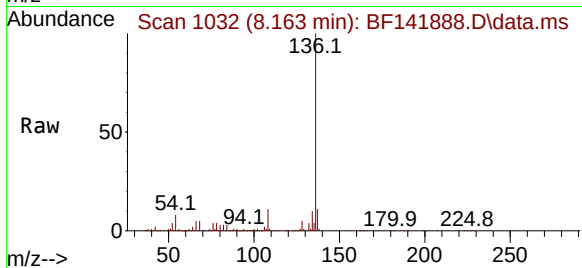
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion:136 Resp: 57346

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.6 6.9 10.3

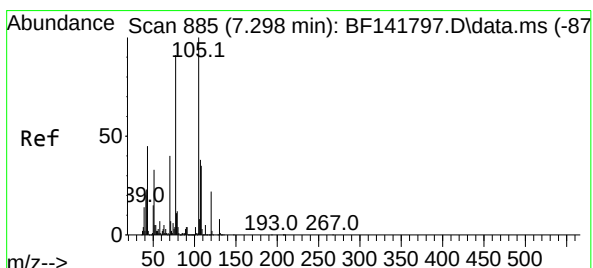
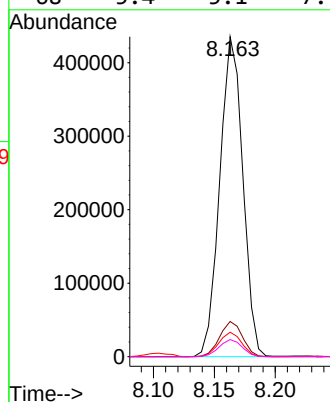
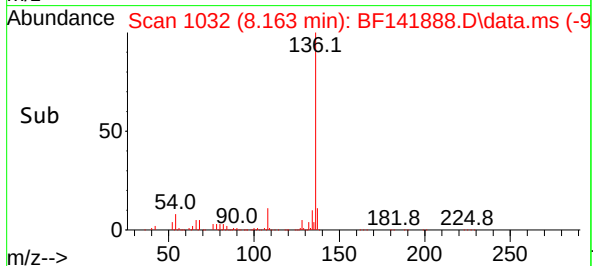
68 5.4 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#22

Acetophenone

Concen: 45.388 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Tgt Ion:105 Resp: 633919

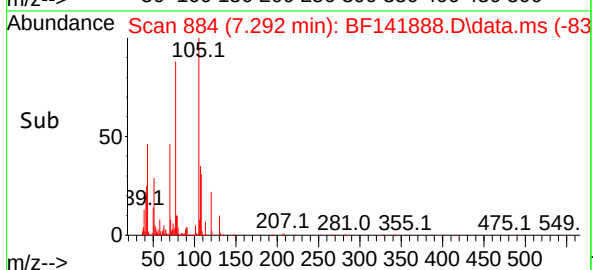
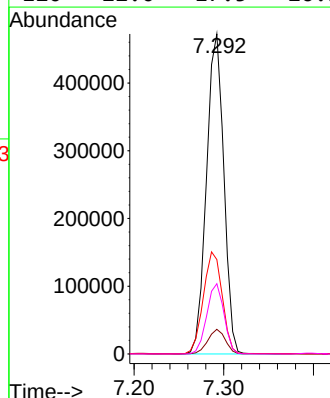
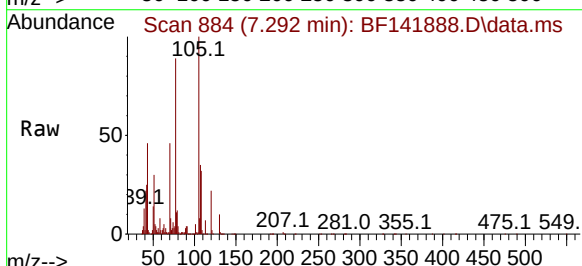
Ion Ratio Lower Upper

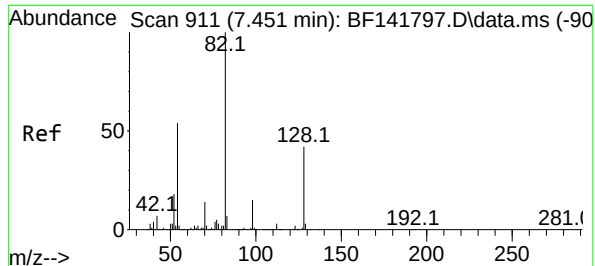
105 100

71 7.7 5.4 8.0

51 29.5 26.1 39.1

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 113.545 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion: 82 Resp: 101867

Ion Ratio Lower Upper

82 100

128 45.0 33.5 50.3

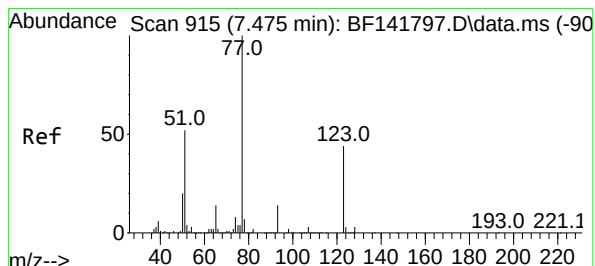
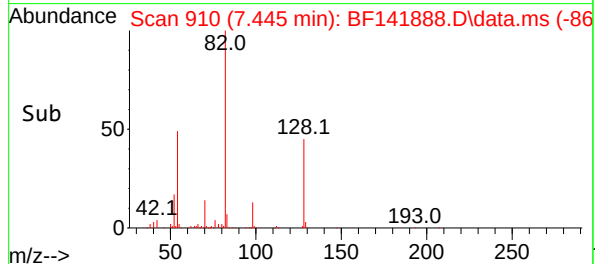
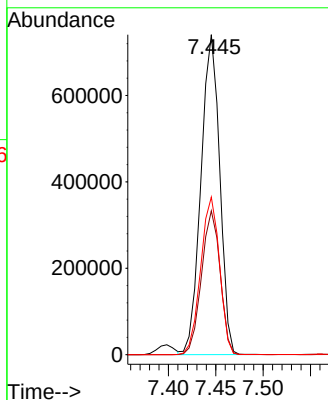
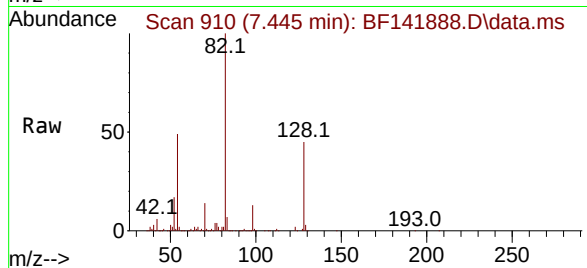
54 49.3 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#24

Nitrobenzene

Concen: 44.802 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

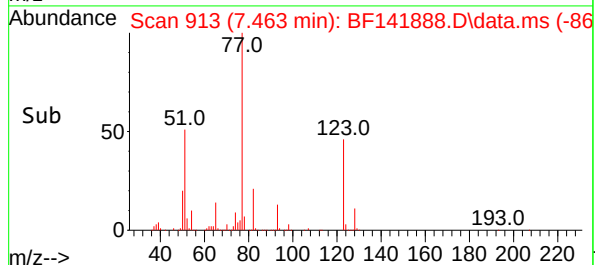
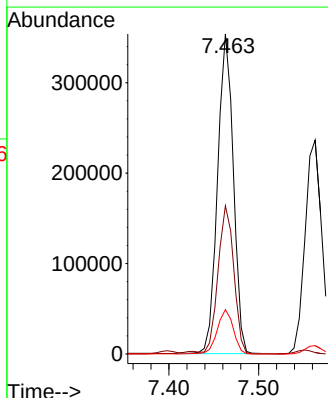
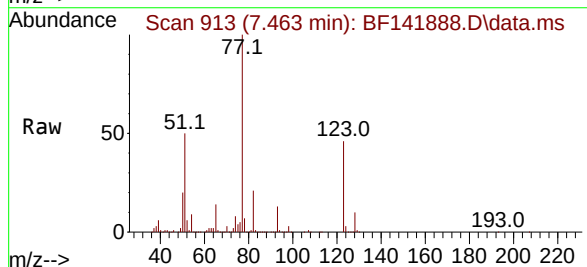
Tgt Ion: 77 Resp: 430420

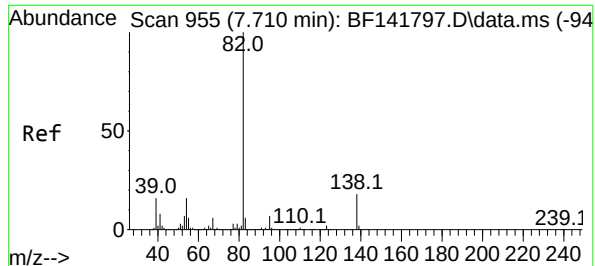
Ion Ratio Lower Upper

77 100

123 46.3 35.8 53.8

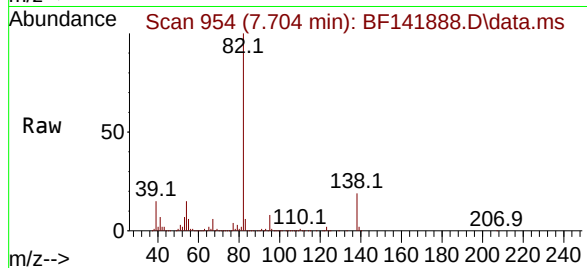
65 13.9 11.2 16.8





#25
Isophorone
Concen: 42.029 ng
RT: 7.704 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

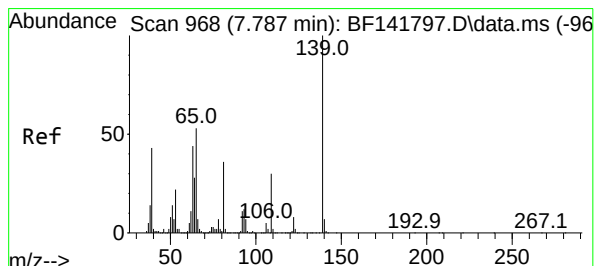
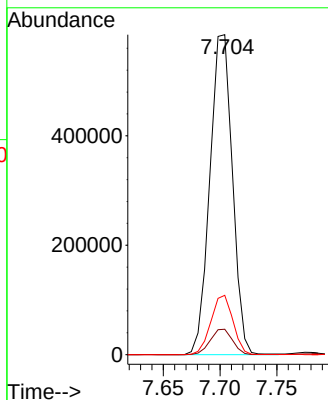
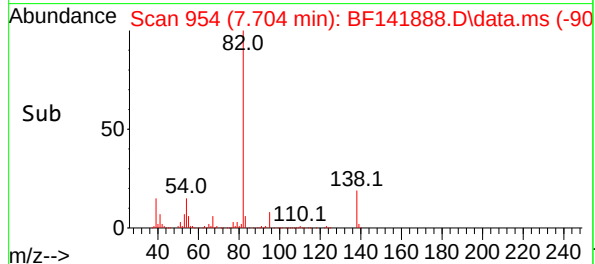
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion: 82 Resp: 810074
Ion Ratio Lower Upper
82 100
95 7.9 5.8 8.8
138 18.6 14.0 21.0

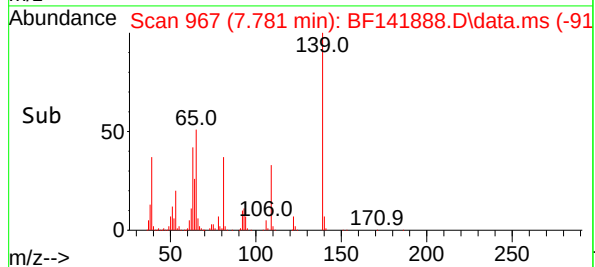
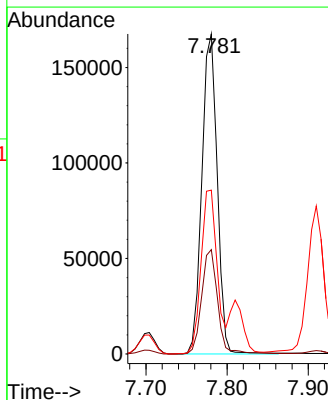
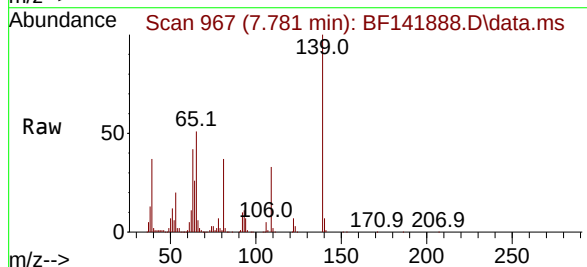
Manual Integrations
APPROVED

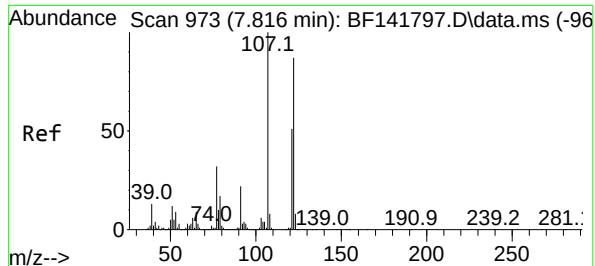
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#26
2-Nitrophenol
Concen: 50.950 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:139 Resp: 219989
Ion Ratio Lower Upper
139 100
109 32.6 24.1 36.1
65 51.2 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 53.085 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141888.D

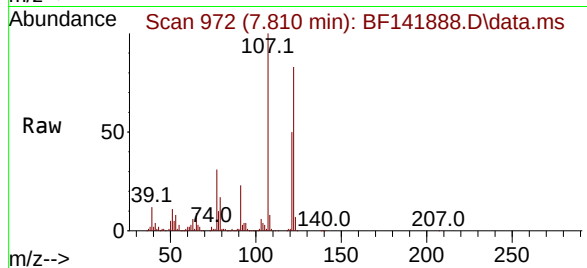
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion:122 Resp: 37610

Ion Ratio Lower Upper

122 100

107 119.9 92.5 138.7

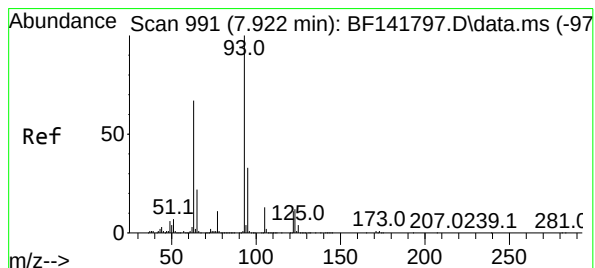
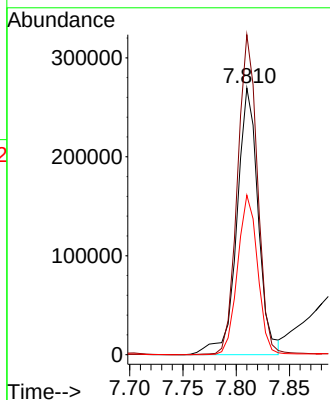
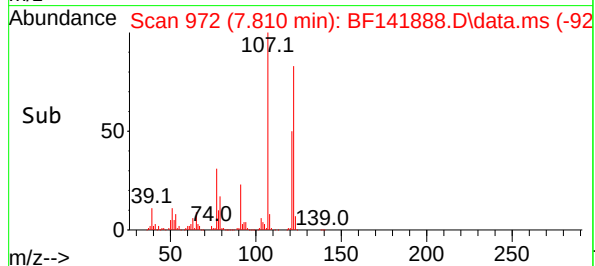
121 59.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#28

bis(2-Chloroethoxy)methane

Concen: 38.804 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

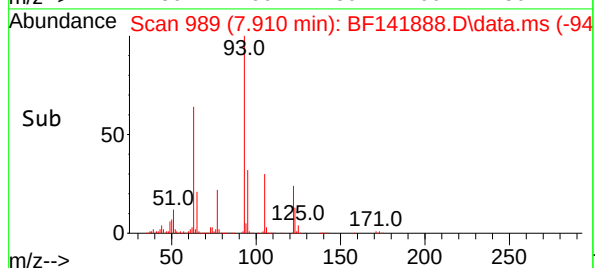
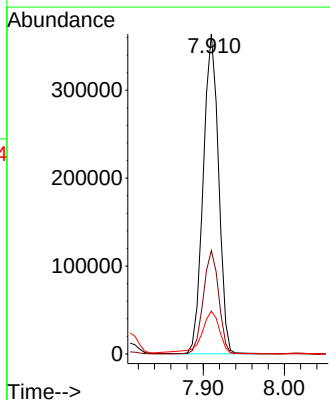
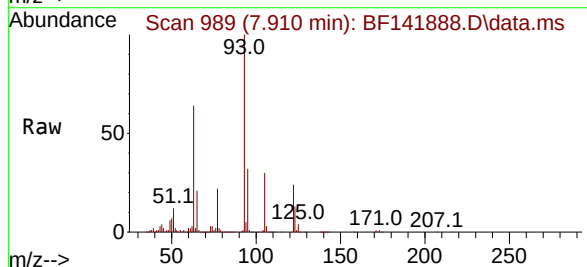
Tgt Ion: 93 Resp: 477100

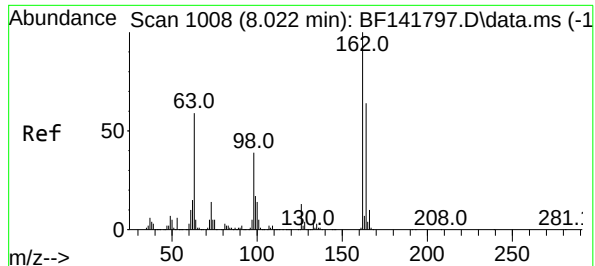
Ion Ratio Lower Upper

93 100

95 32.3 26.5 39.7

123 13.4 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 45.445 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:162 Resp: 371450

Ion Ratio Lower Upper

162 100

164 65.2 44.3 84.3

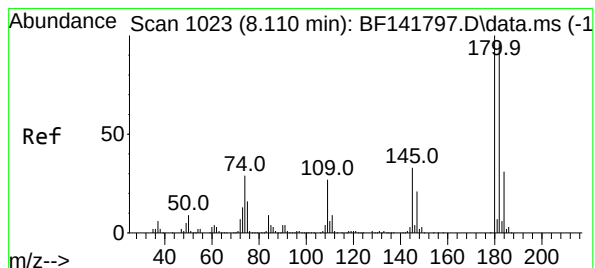
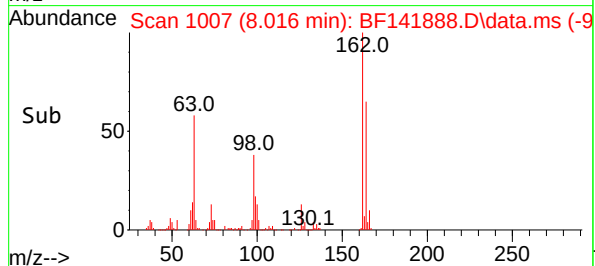
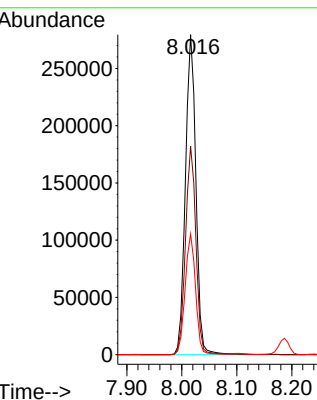
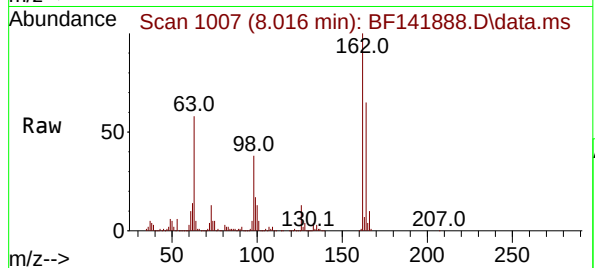
98 37.7 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#30

1,2,4-Trichlorobenzene

Concen: 39.327 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

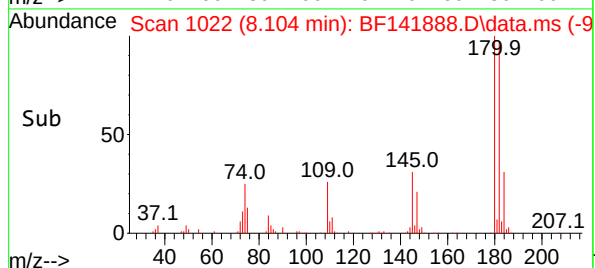
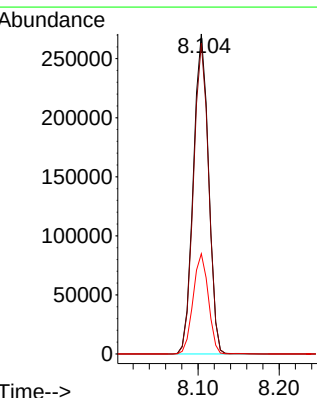
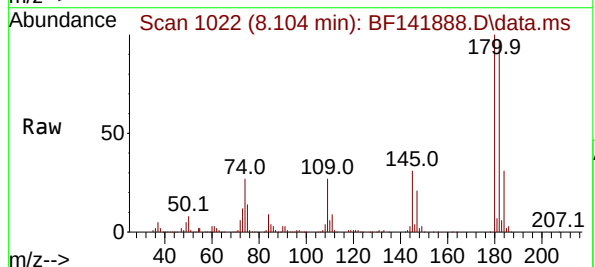
Tgt Ion:180 Resp: 352226

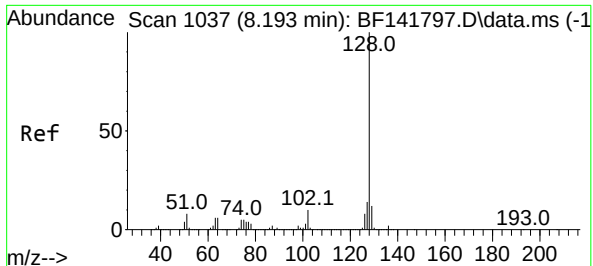
Ion Ratio Lower Upper

180 100

182 97.0 76.8 115.2

145 31.3 26.4 39.6





#31

Naphthalene

Concen: 39.617 ng

RT: 8.186 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:128 Resp: 116764

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

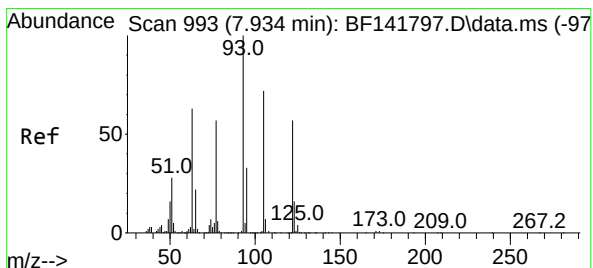
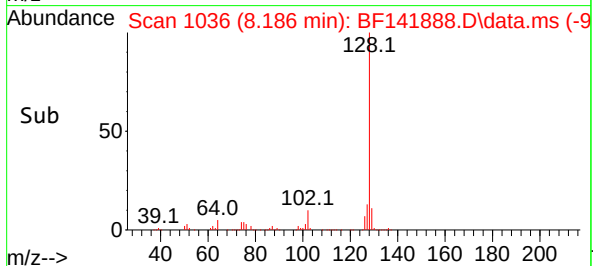
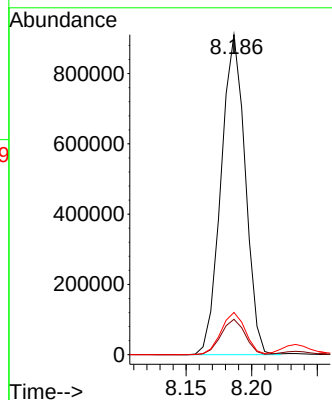
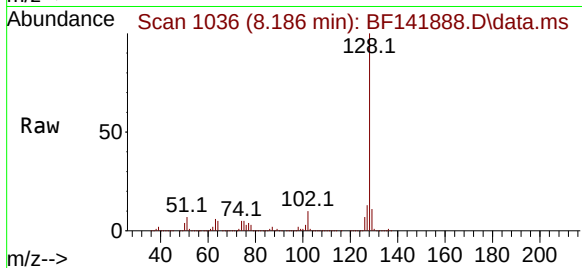
127 13.2 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#32

Benzoic acid

Concen: 47.647 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.024 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

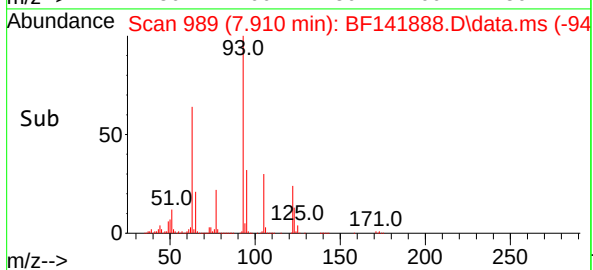
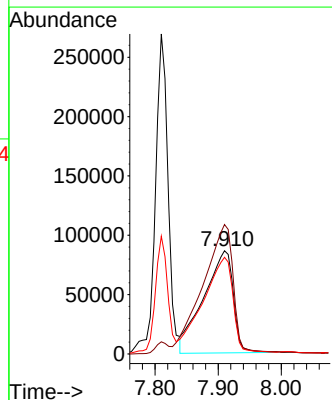
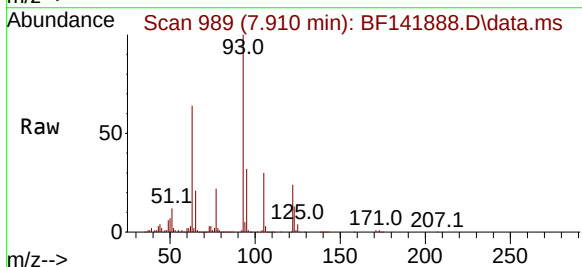
Tgt Ion:122 Resp: 281362

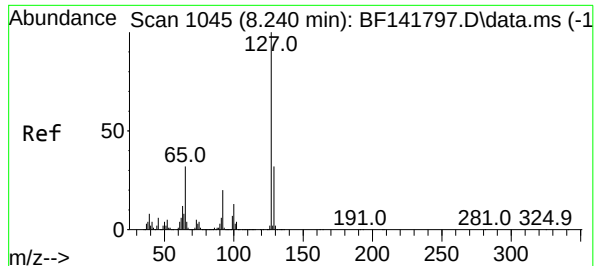
Ion Ratio Lower Upper

122 100

105 125.4 105.8 145.8

77 93.7 79.9 119.9





#33

4-Chloroaniline

Concen: 4.120 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:127 Resp: 44524

Ion Ratio Lower Upper

127 100

129 33.3 26.1 39.1

65 30.4 25.7 38.5

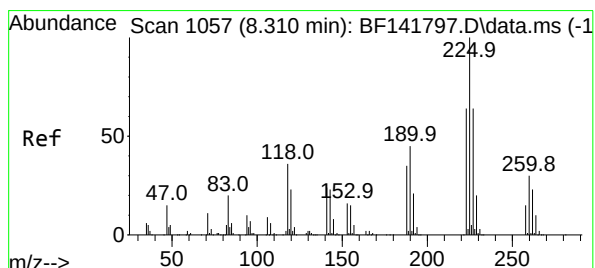
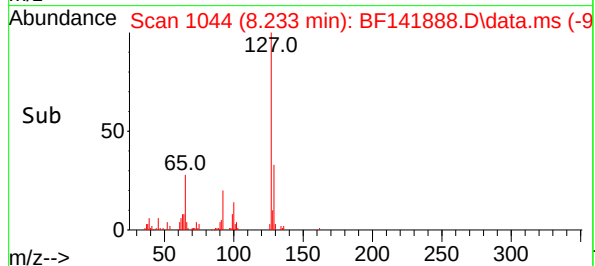
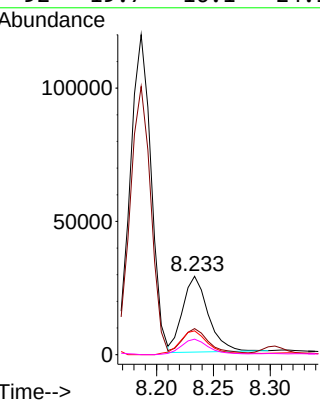
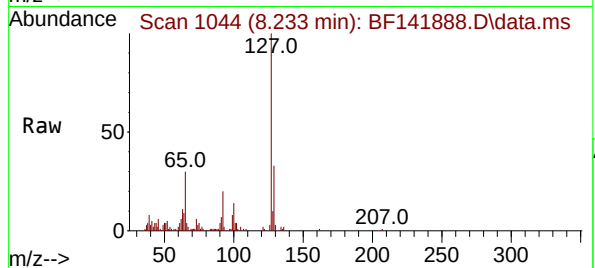
92 19.7 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#34

Hexachlorobutadiene

Concen: 39.168 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

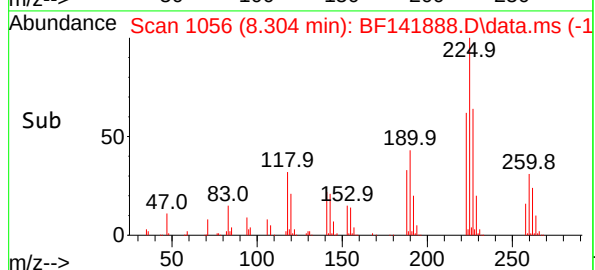
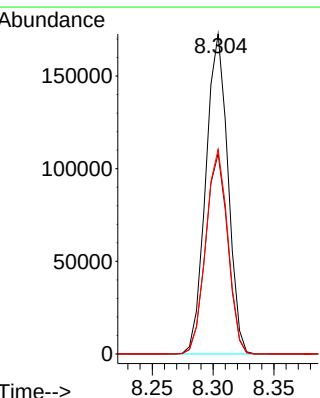
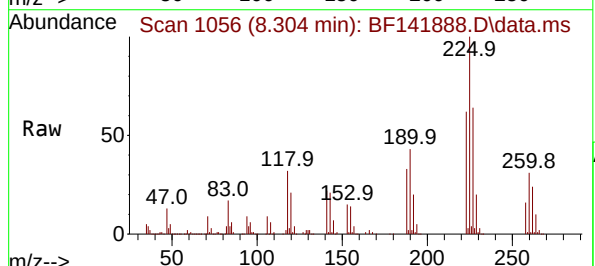
Tgt Ion:225 Resp: 217994

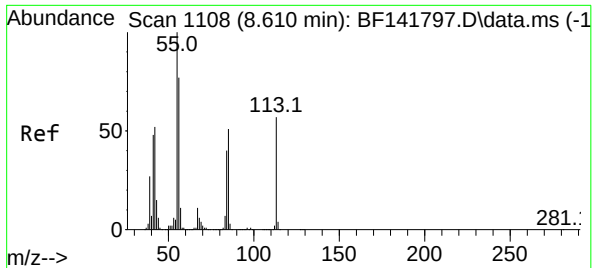
Ion Ratio Lower Upper

225 100

223 62.5 51.4 77.2

227 64.0 51.6 77.4





#35

Caprolactam

Concen: 45.256 ng m

RT: 8.592 min Scan# 1105

Delta R.T. -0.018 min

Lab File: BF141888.D

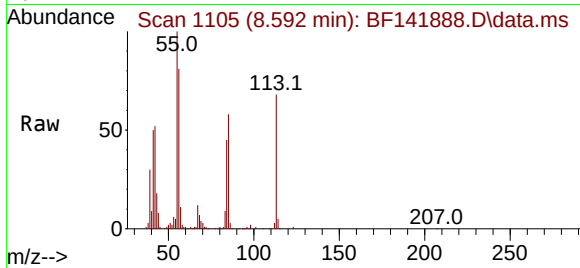
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion:113 Resp: 113794

Ion Ratio Lower Upper

113 100

55 147.2 155.6 195.6

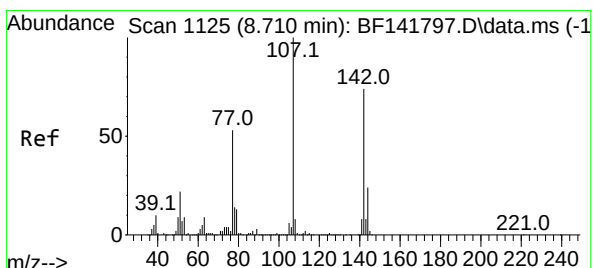
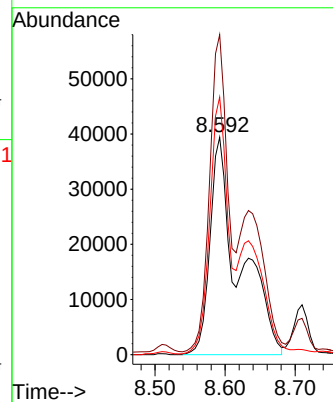
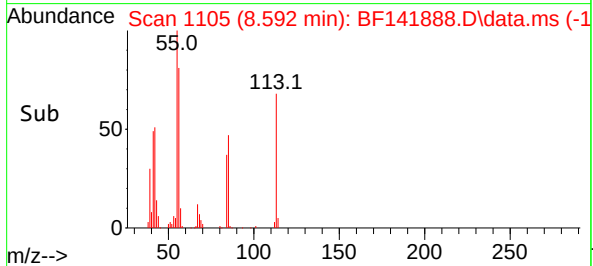
56 118.5 114.6 154.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#36

4-Chloro-3-methylphenol

Concen: 46.229 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

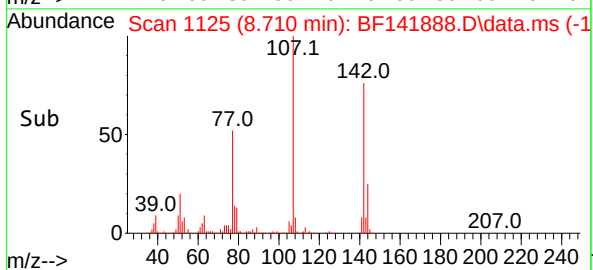
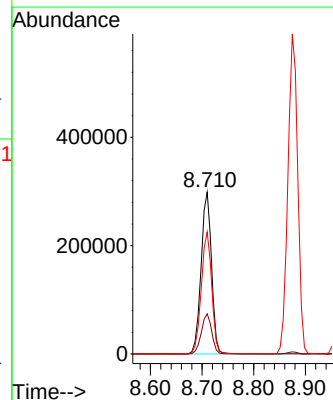
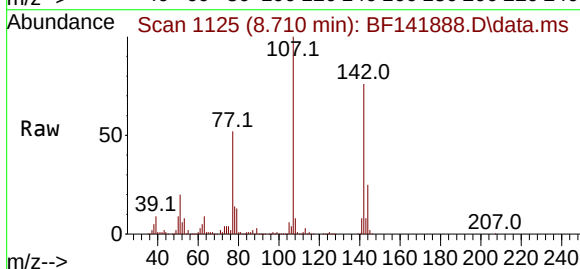
Tgt Ion:107 Resp: 419747

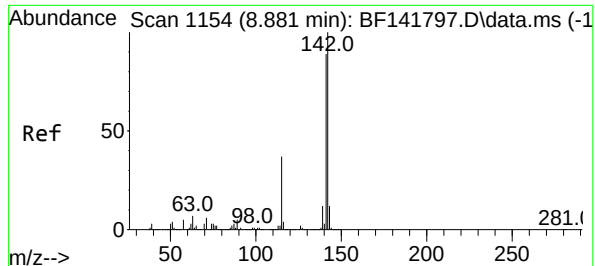
Ion Ratio Lower Upper

107 100

144 24.9 19.4 29.0

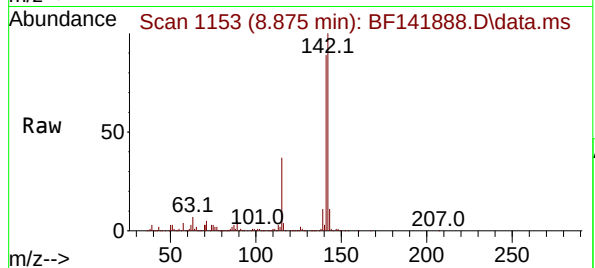
142 75.5 59.4 89.0





#37
2-Methylnaphthalene
Concen: 40.304 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

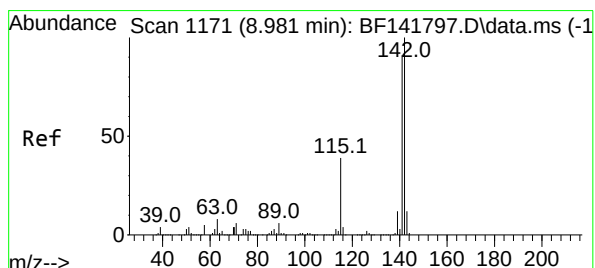
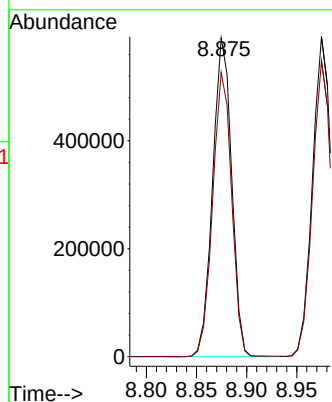
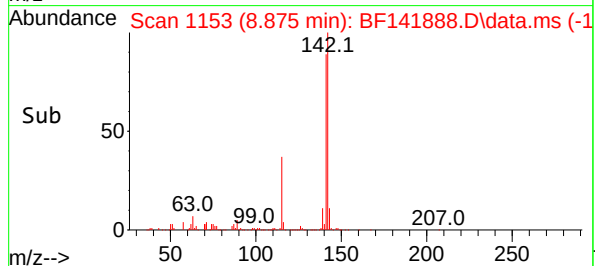
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:142 Resp: 77915
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7

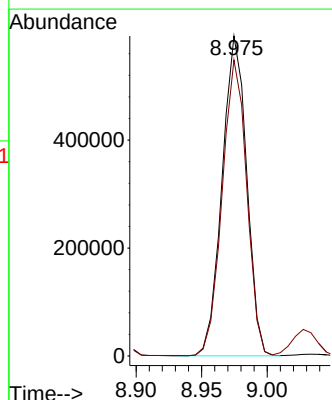
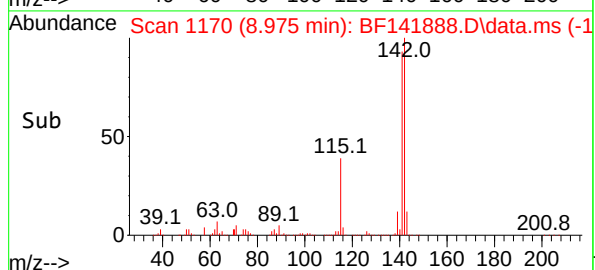
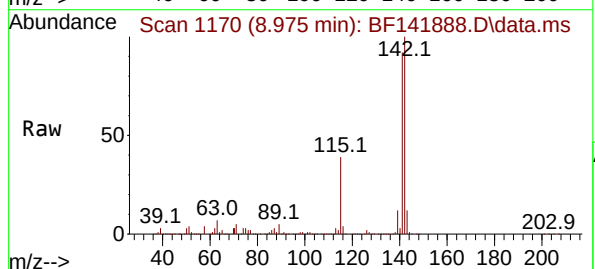
Manual Integrations
APPROVED

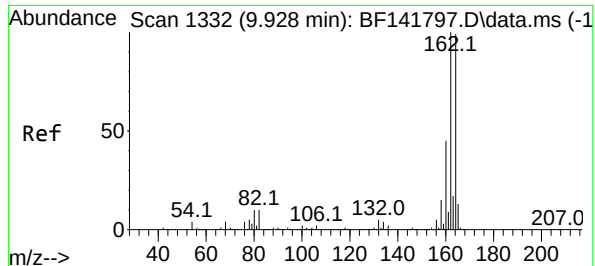
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#38
1-Methylnaphthalene
Concen: 41.599 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:142 Resp: 771642
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.012 min

Lab File: BF141888.D

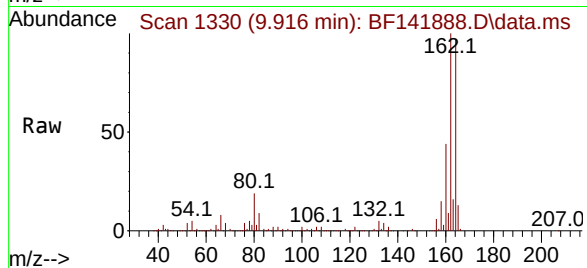
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion:164 Resp: 30359

Ion Ratio Lower Upper

164 100

162 103.5 80.6 120.8

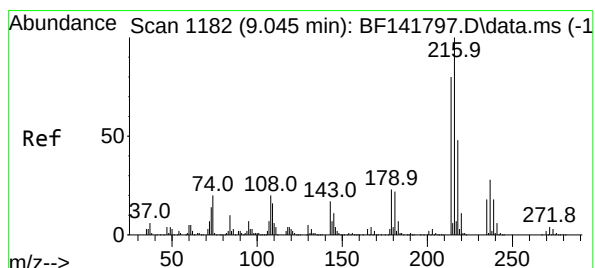
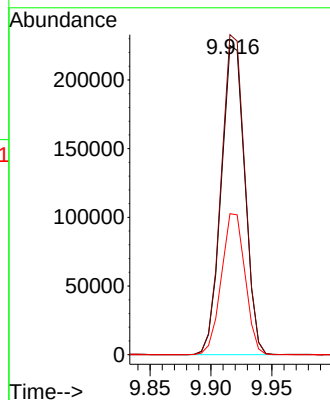
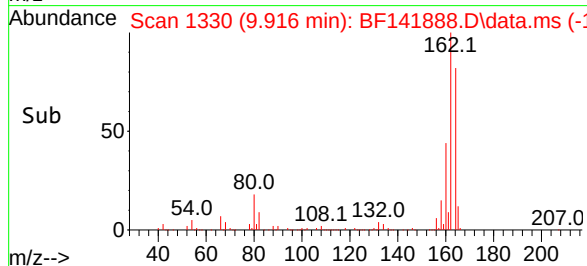
160 45.6 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.506 ng

RT: 9.039 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Tgt Ion:216 Resp: 434072

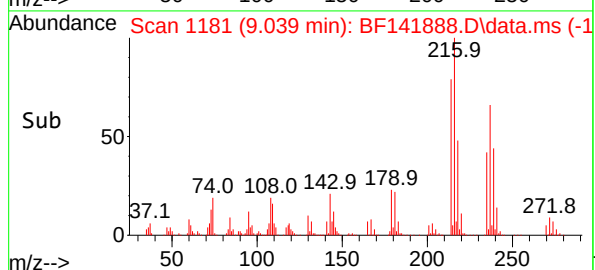
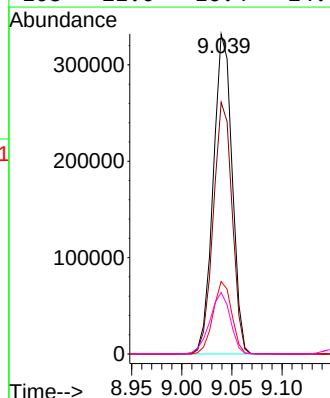
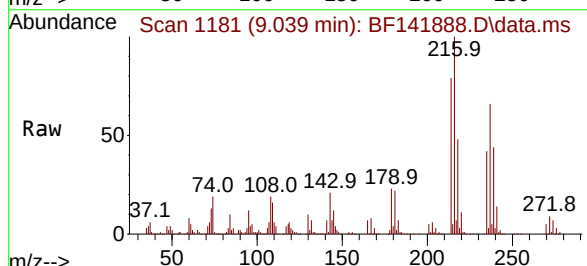
Ion Ratio Lower Upper

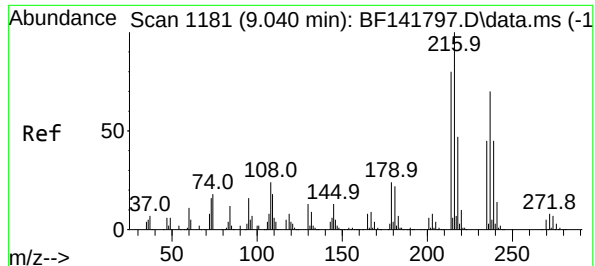
216 100

214 78.7 63.5 95.3

179 22.4 18.1 27.1

108 21.0 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 143.187 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:237 Resp: 52394

Ion Ratio Lower Upper

237 100

235 64.2 43.3 83.3

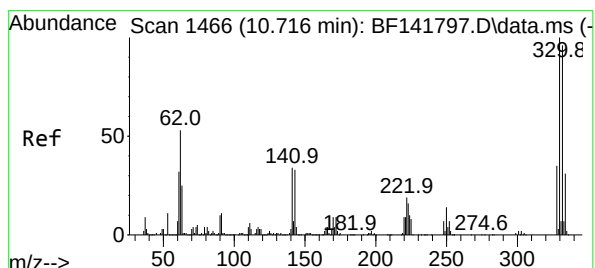
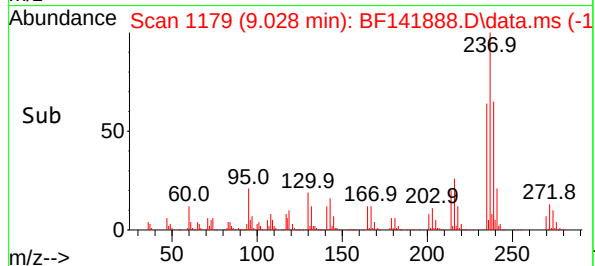
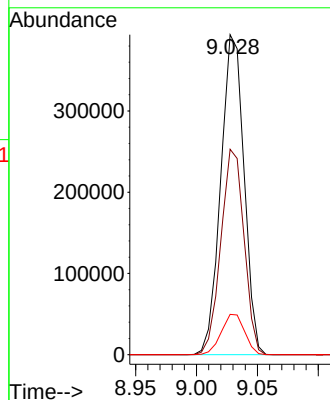
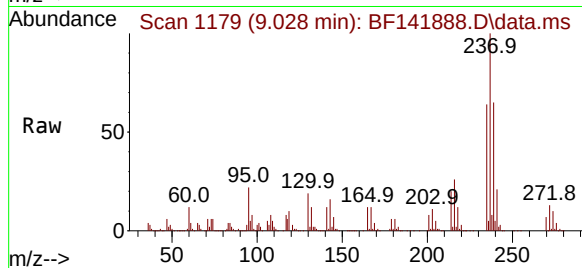
272 12.6 0.0 31.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#42

2,4,6-Tribromophenol

Concen: 204.654 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

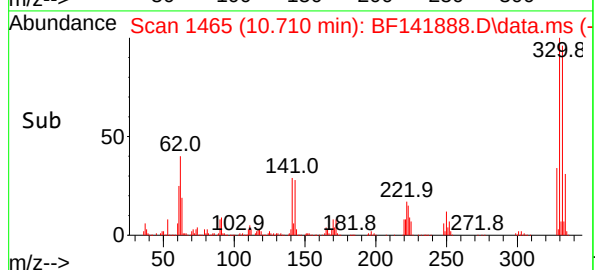
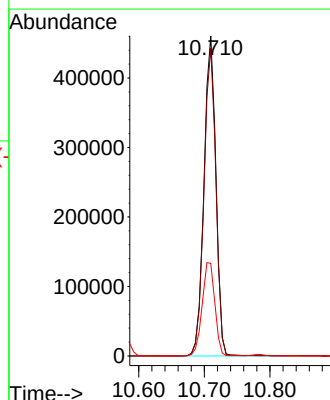
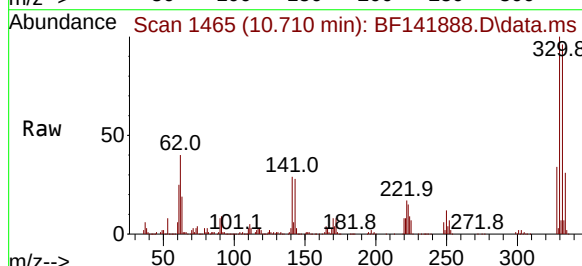
Tgt Ion:330 Resp: 583302

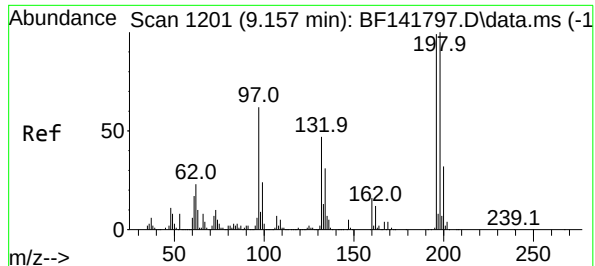
Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 31.2 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 51.151 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:196 Resp: 289710

Ion Ratio Lower Upper

196 100

198 98.2 80.4 120.6

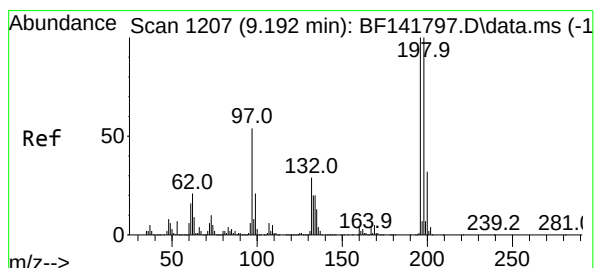
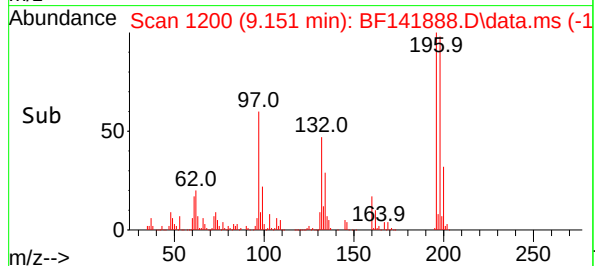
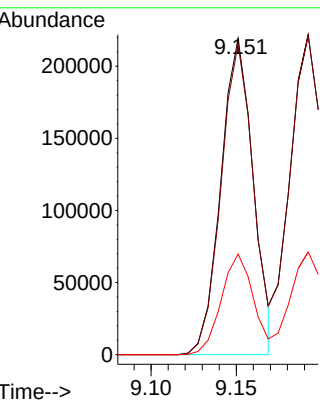
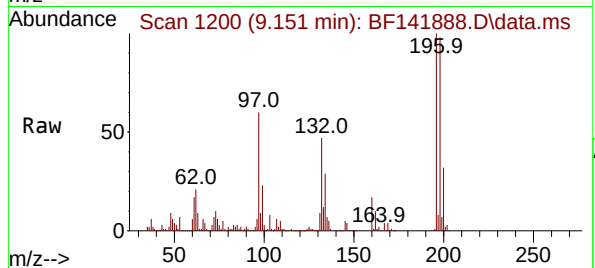
200 31.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#44

2,4,5-Trichlorophenol

Concen: 54.229 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Tgt Ion:196 Resp: 304140

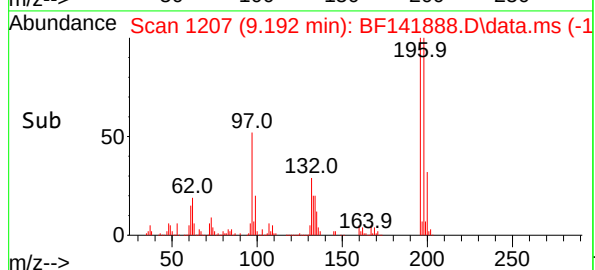
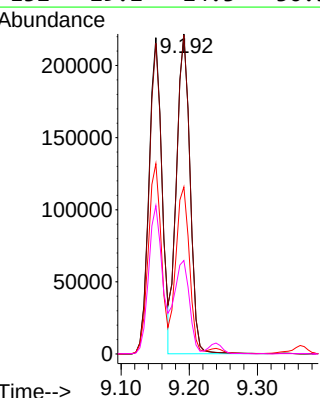
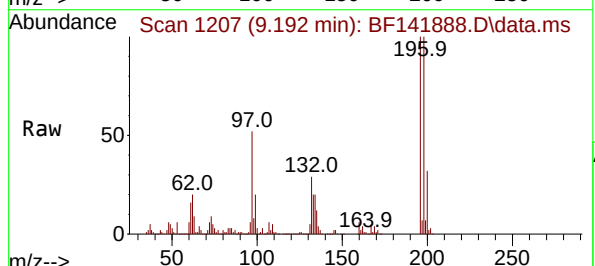
Ion Ratio Lower Upper

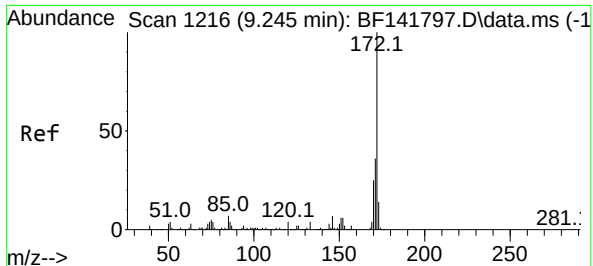
196 100

198 99.7 79.7 119.5

97 52.2 44.2 66.2

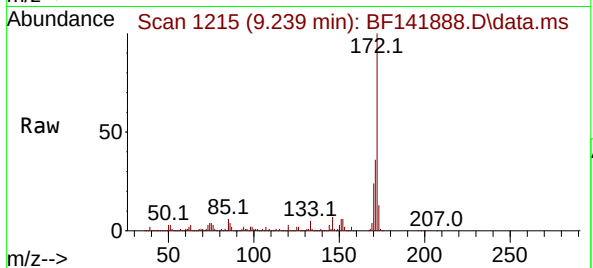
132 29.2 24.3 36.5





#45
2-Fluorobiphenyl
Concen: 103.821 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

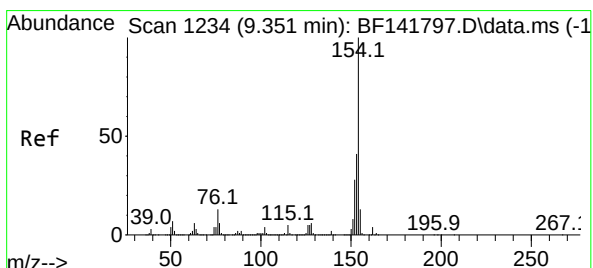
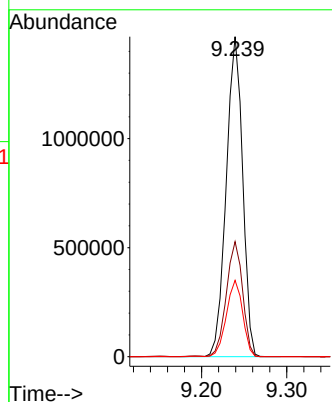
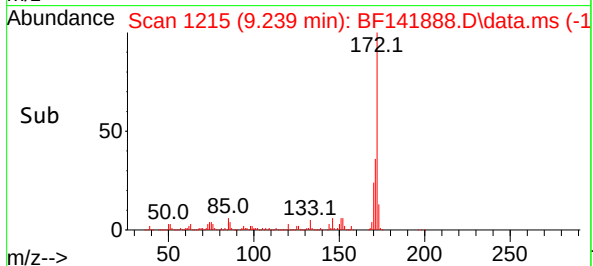
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:172 Resp: 196572
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 23.9 19.7 29.5

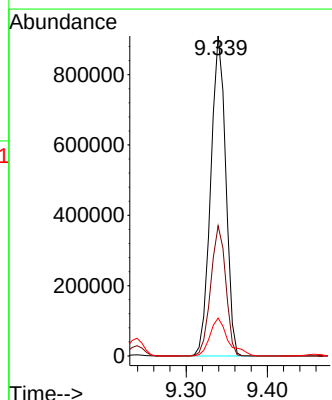
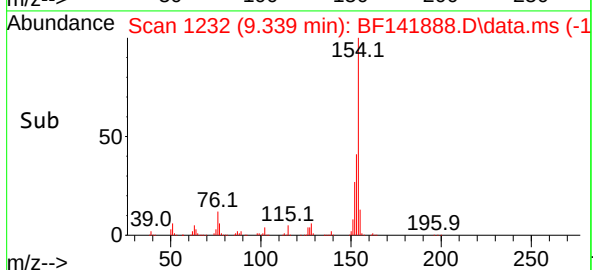
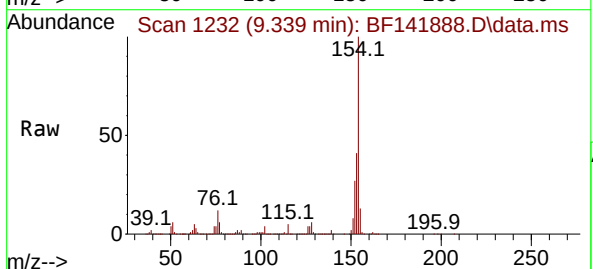
Manual Integrations
APPROVED

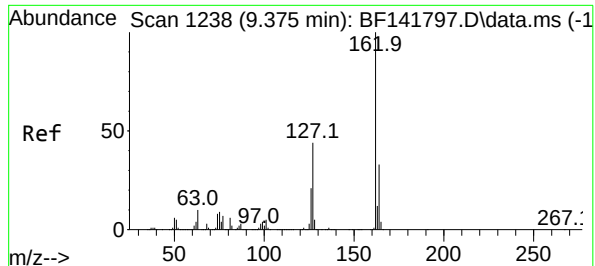
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#46
1,1'-Biphenyl
Concen: 50.458 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

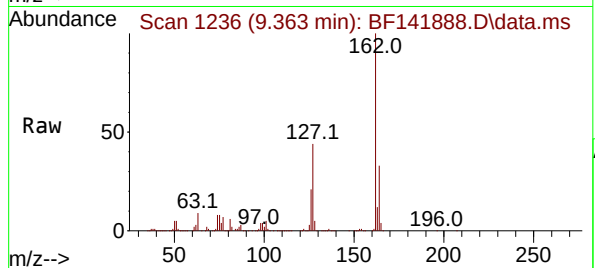
Tgt Ion:154 Resp: 1166006
Ion Ratio Lower Upper
154 100
153 40.7 21.4 61.4
76 11.9 0.0 33.4





#47
2-Chloronaphthalene
Concen: 46.505 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

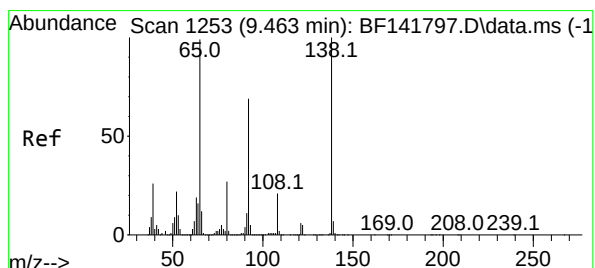
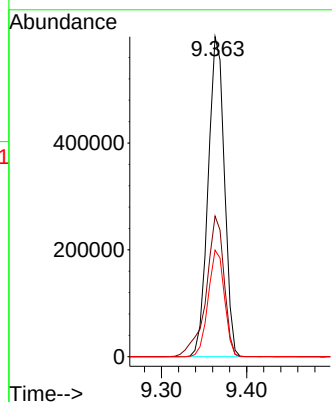
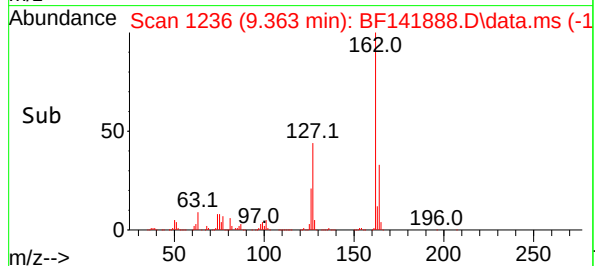
Instrument : BNA_F
ClientSampleId : IDW-SO-COMP-022825MSD



Tgt Ion:162 Resp: 79317
Ion Ratio Lower Upper
162 100
127 43.9 35.0 52.6
164 33.3 26.6 40.0

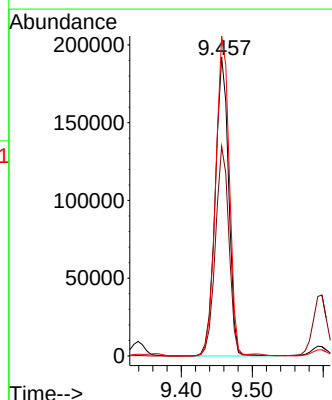
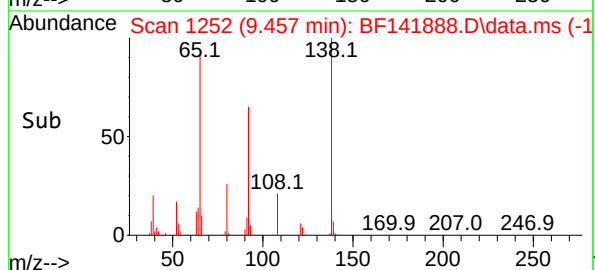
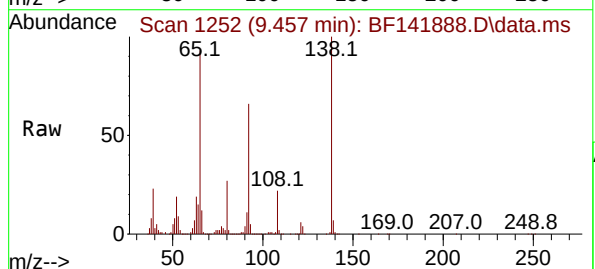
Manual Integrations
APPROVED

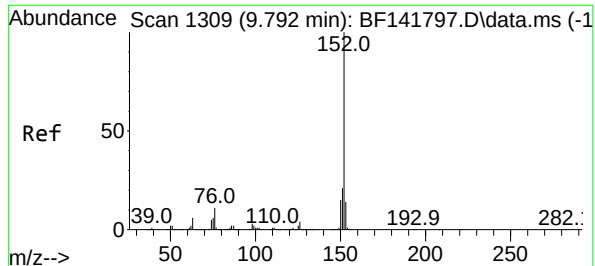
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#48
2-Nitroaniline
Concen: 53.790 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 65 Resp: 253809
Ion Ratio Lower Upper
65 100
92 70.1 55.7 83.5
138 107.0 80.6 121.0





#49

Acenaphthylene

Concen: 49.307 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:152 Resp: 126085

Ion Ratio Lower Upper

152 100

151 20.6 16.6 24.8

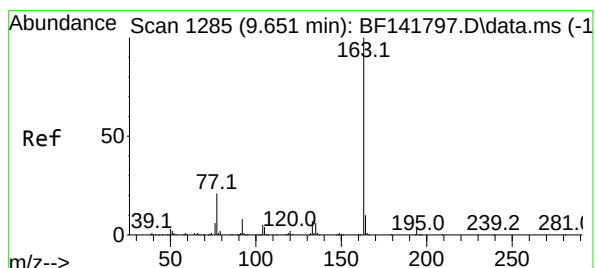
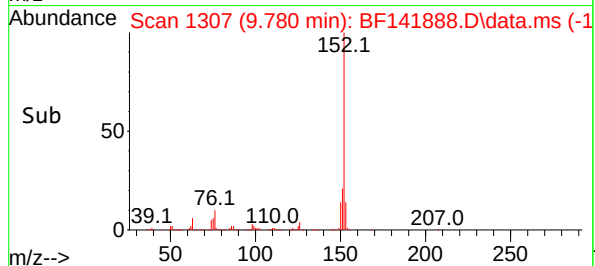
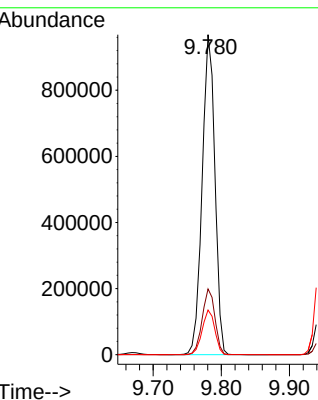
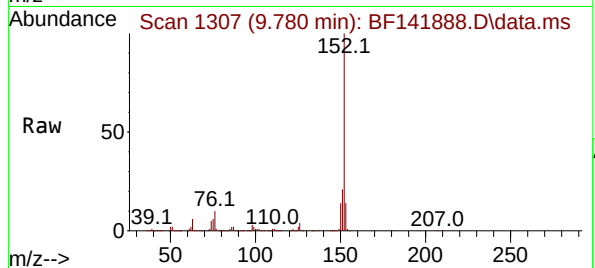
153 14.0 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#50

Dimethylphthalate

Concen: 49.315 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

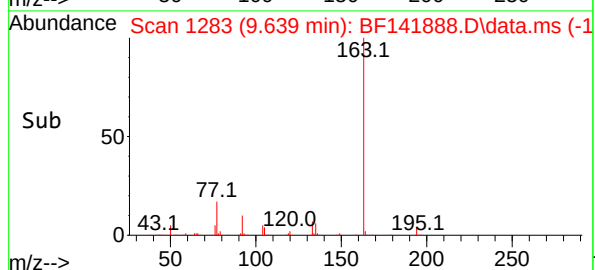
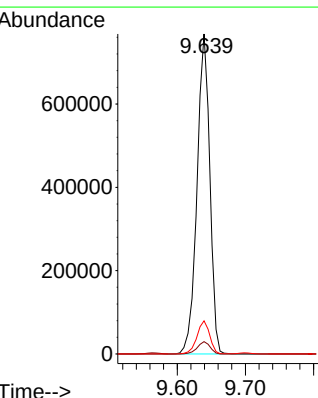
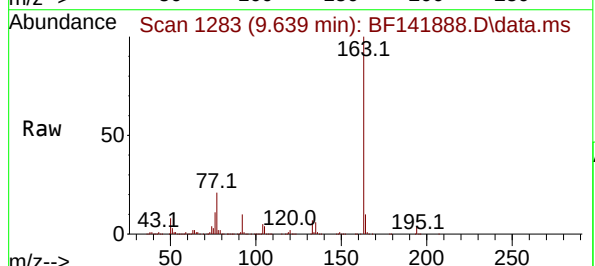
Tgt Ion:163 Resp: 1002628

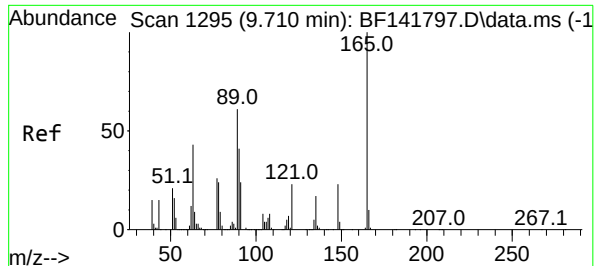
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

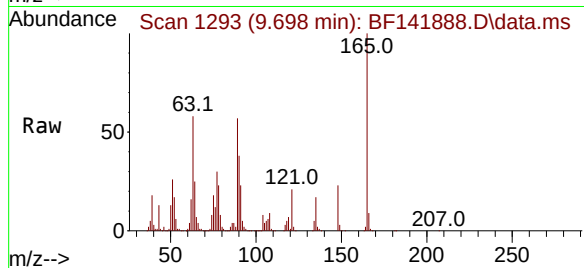
164 10.4 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 55.722 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

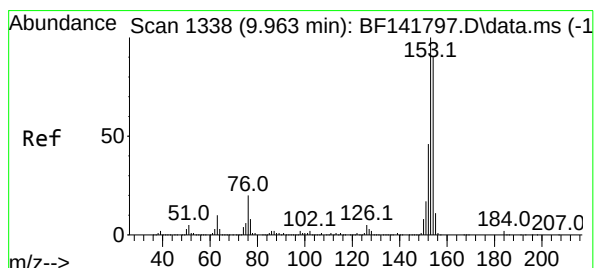
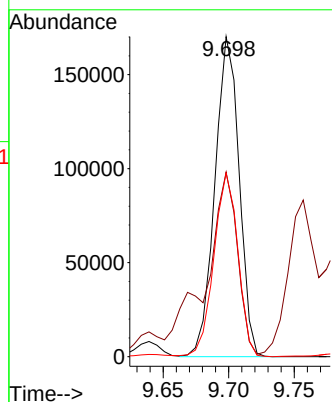
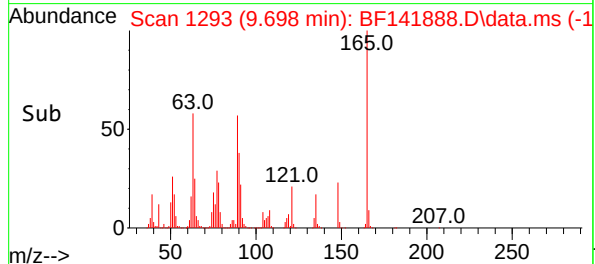
Instrument : BNA_F
ClientSampleId : IDW-SO-COMP-022825MSD



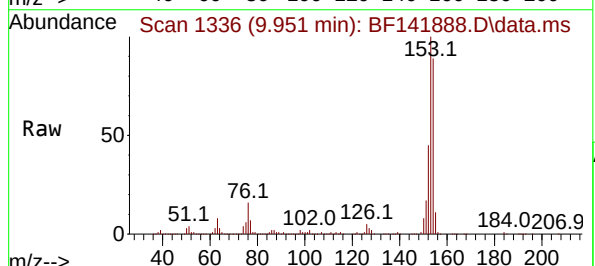
Tgt Ion:165 Resp: 218602
Ion Ratio Lower Upper
165 100
63 57.6 49.5 74.3
89 57.4 49.0 73.4

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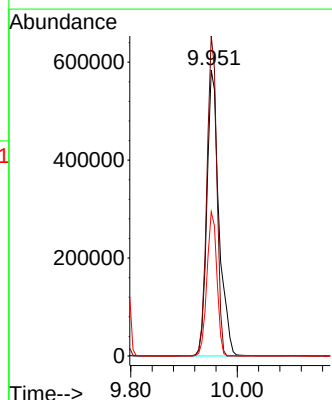
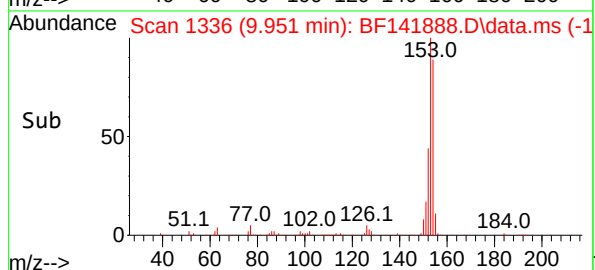
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

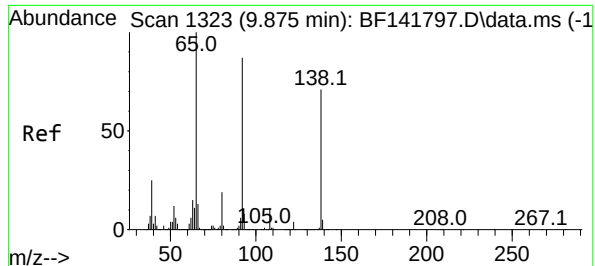


#52
Acenaphthene
Concen: 53.212 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59



Tgt Ion:154 Resp: 918161
Ion Ratio Lower Upper
154 100
153 111.9 88.7 133.1
152 50.4 40.9 61.3





#53

3-Nitroaniline

Concen: 13.818 ng

RT: 9.863 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:138 Resp: 47910

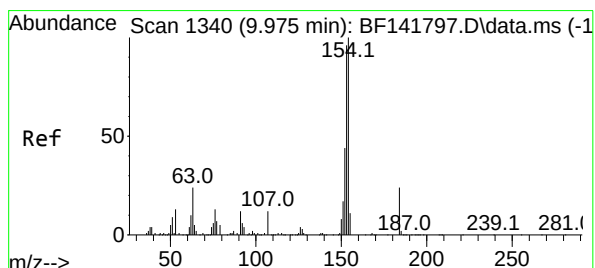
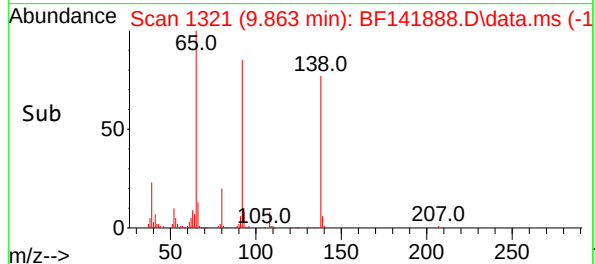
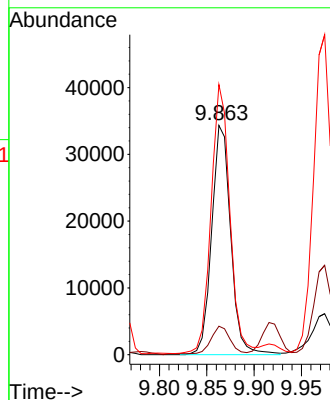
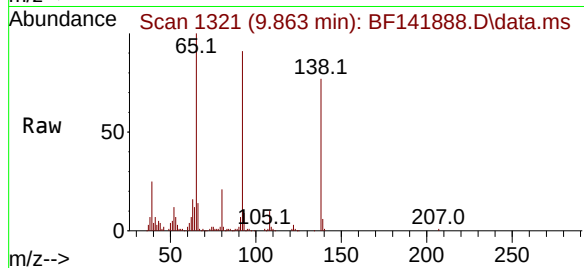
Ion	Ratio	Lower	Upper
138	100		
108	12.4	12.7	19.1
92	117.8	97.9	146.9

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#54

2,4-Dinitrophenol

Concen: 118.427 ng

RT: 9.975 min Scan# 1340

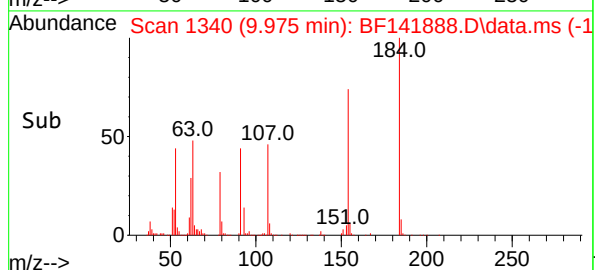
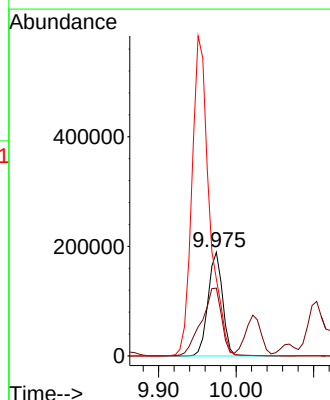
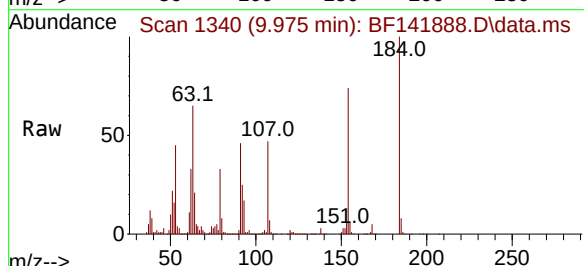
Delta R.T. -0.000 min

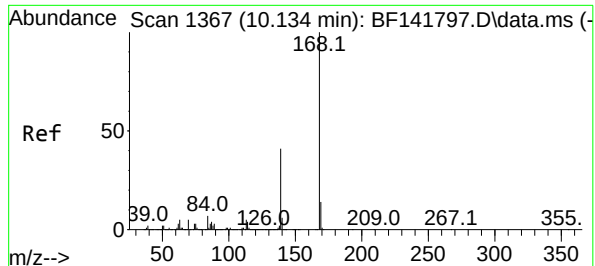
Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Tgt Ion:184 Resp: 246319

Ion	Ratio	Lower	Upper
184	100		
63	65.4	79.0	118.6
154	74.1	335.8	503.8





#55

Dibenzenofuran

Concen: 44.265 ng

RT: 10.127 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:168 Resp: 1111678

Ion Ratio Lower Upper

168 100

139 41.3 32.9 49.3

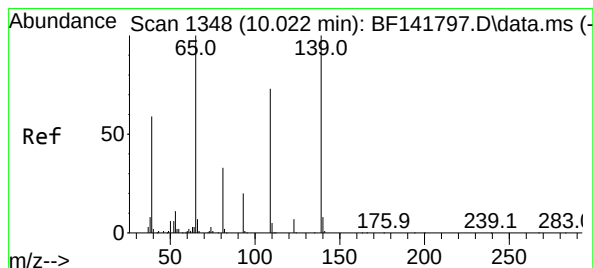
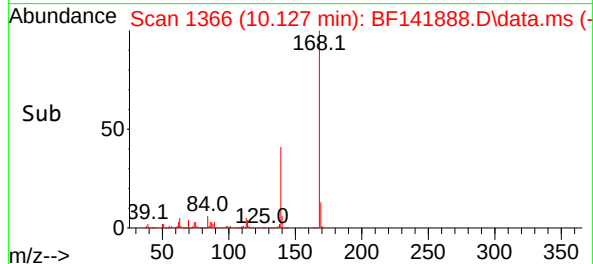
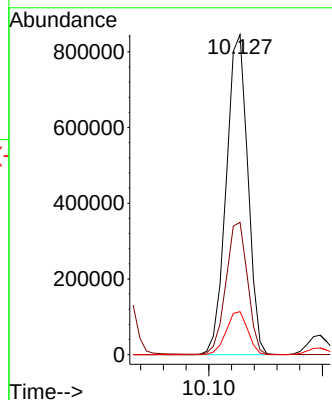
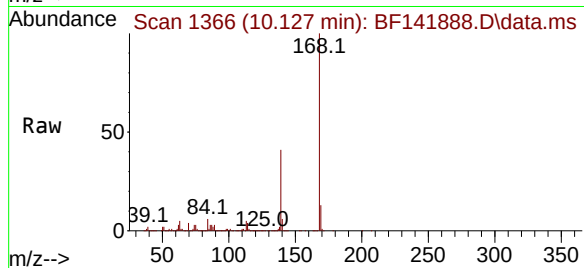
169 13.5 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#56

4-Nitrophenol

Concen: 115.329 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.000 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

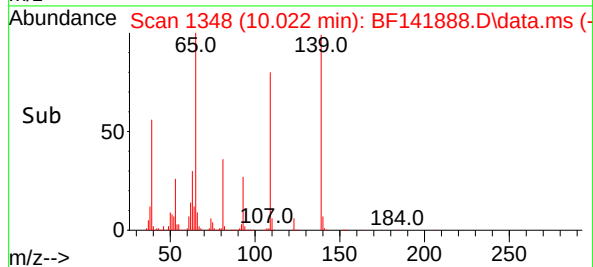
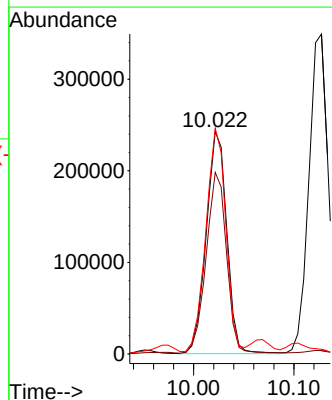
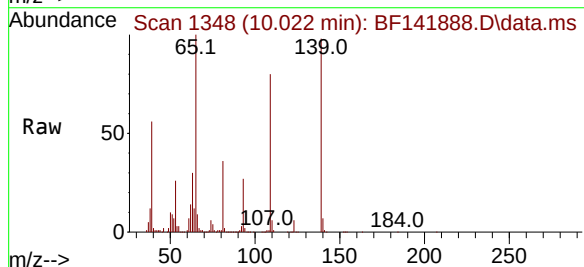
Tgt Ion:139 Resp: 346309

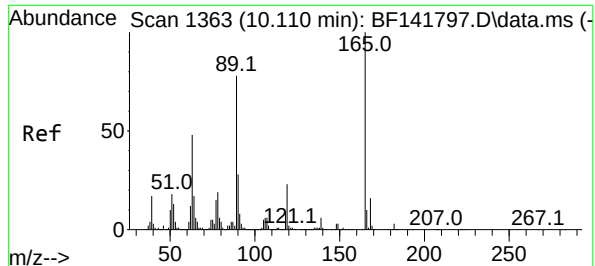
Ion Ratio Lower Upper

139 100

109 81.6 53.4 93.4

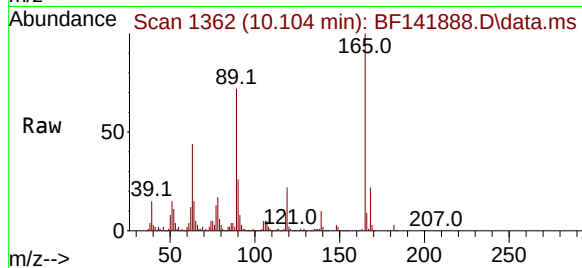
65 101.6 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 59.902 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

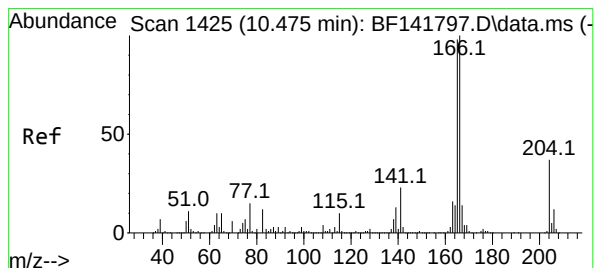
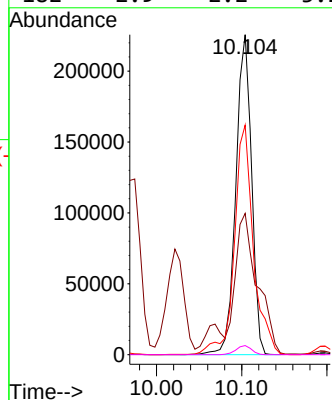
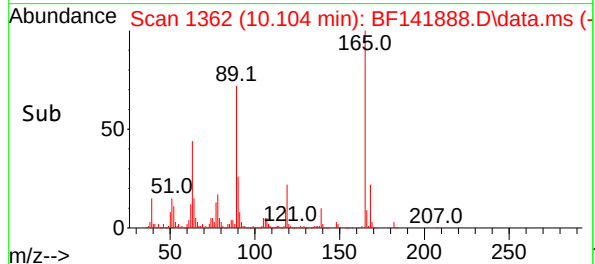
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:165 Resp: 28905
Ion Ratio Lower Upper
165 100
63 44.2 38.8 58.2
89 71.8 62.6 94.0
182 2.9 2.2 3.2

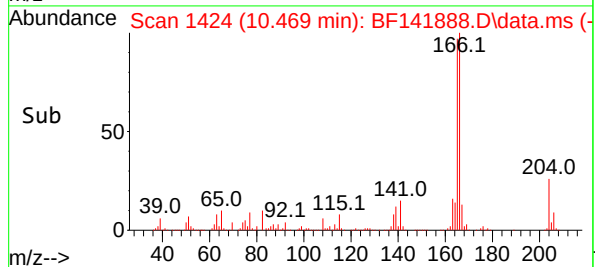
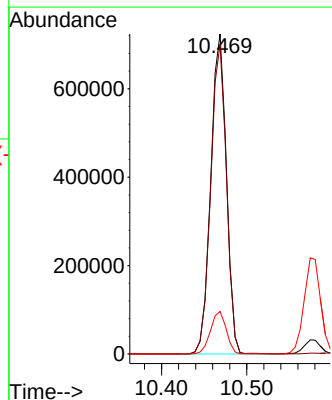
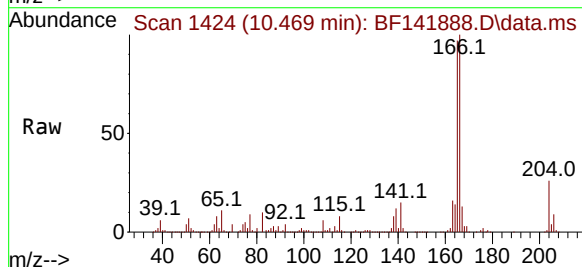
Manual Integrations
APPROVED

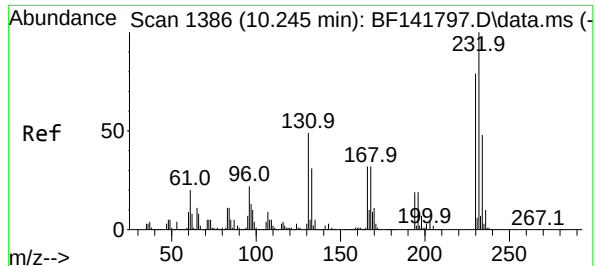
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#58
Fluorene
Concen: 49.103 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

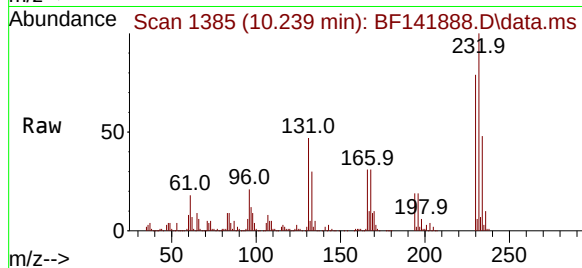
Tgt Ion:166 Resp: 923723
Ion Ratio Lower Upper
166 100
165 96.8 78.6 117.8
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.169 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

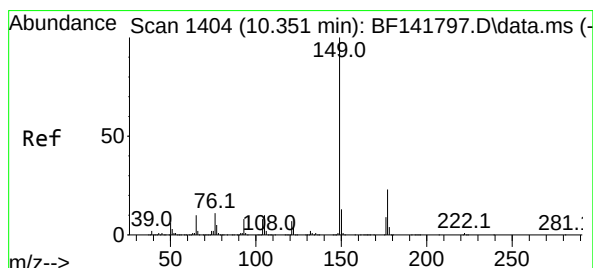
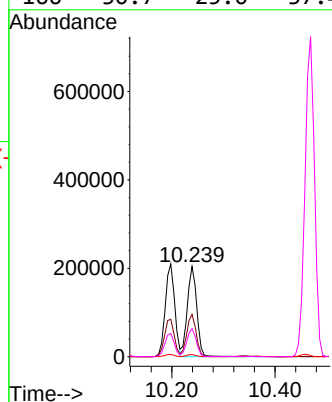
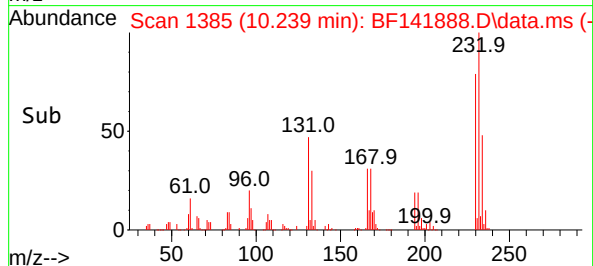
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:232 Resp: 259340
Ion Ratio Lower Upper
232 100
131 46.7 37.8 56.8
130 2.3 2.0 3.0
166 30.7 25.0 37.4

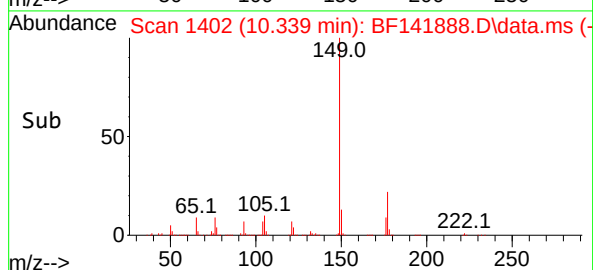
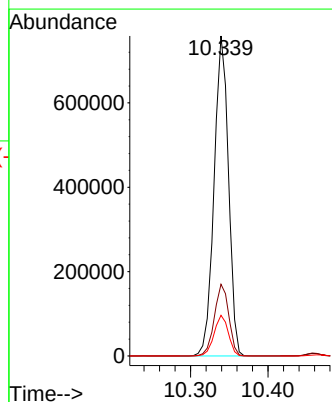
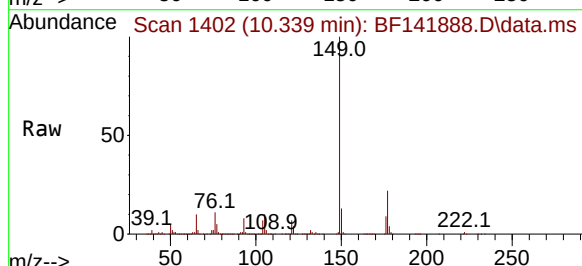
Manual Integrations
APPROVED

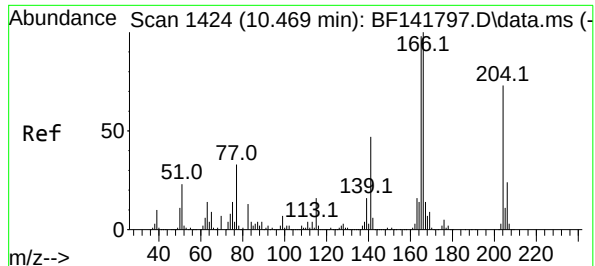
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#60
Diethylphthalate
Concen: 48.017 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

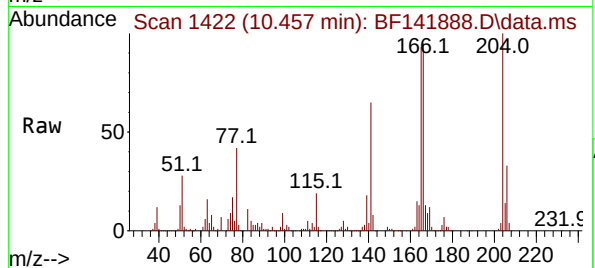
Tgt Ion:149 Resp: 978673
Ion Ratio Lower Upper
149 100
177 22.4 18.3 27.5
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 49.222 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

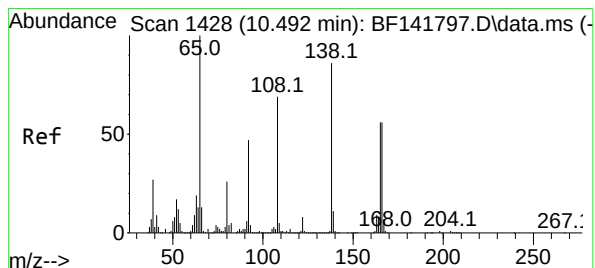
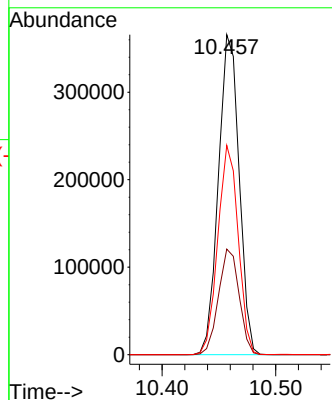
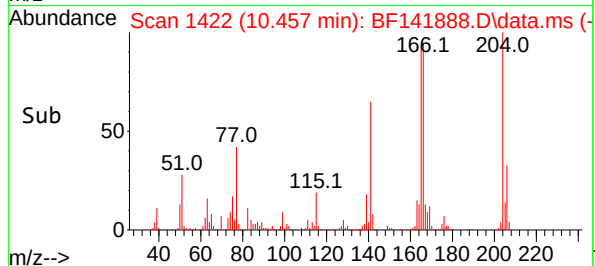
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:204 Resp: 46393
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.4
141 65.4 51.7 77.5

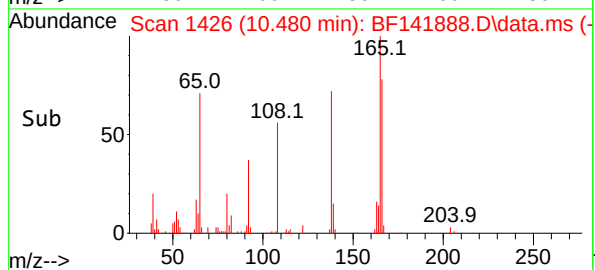
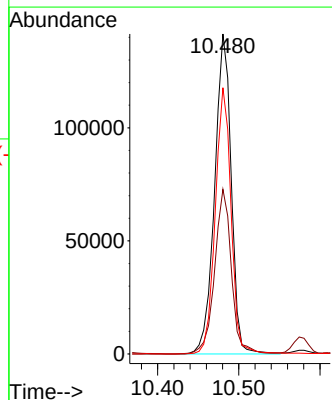
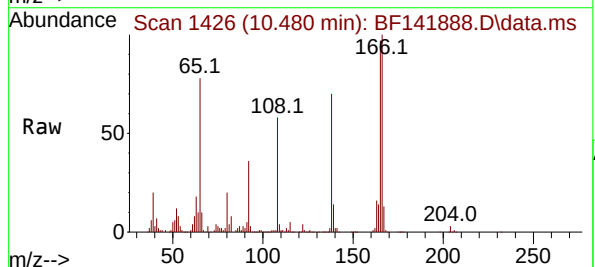
Manual Integrations
APPROVED

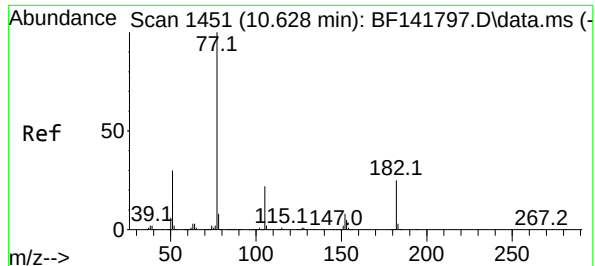
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#62
4-Nitroaniline
Concen: 57.854 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

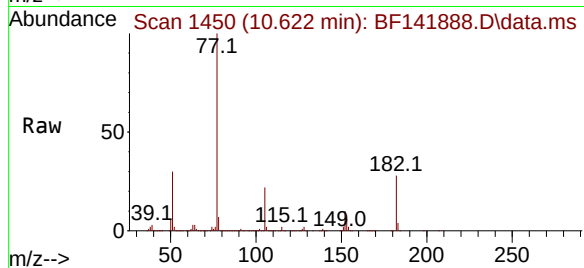
Tgt Ion:138 Resp: 200872
Ion Ratio Lower Upper
138 100
92 51.4 34.9 74.9
108 83.2 59.6 99.6





#63
Azobenzene
Concen: 42.378 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

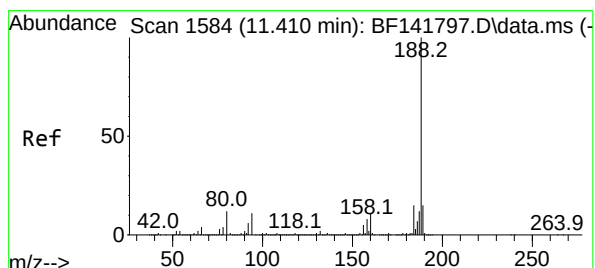
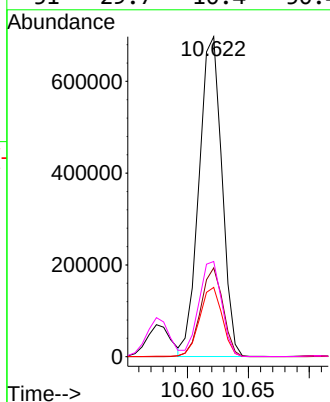
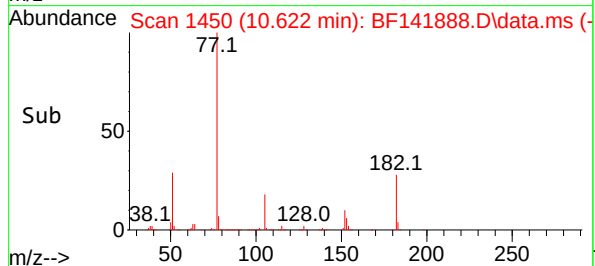
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion: 77 Resp: 90943
Ion Ratio Lower Upper
77 100
182 27.8 4.2 44.2
105 21.7 1.5 41.5
51 29.7 10.4 50.4

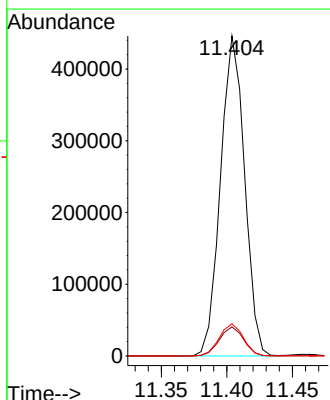
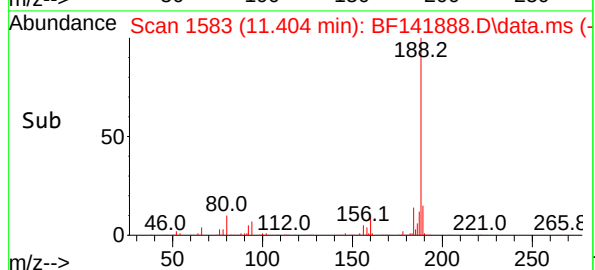
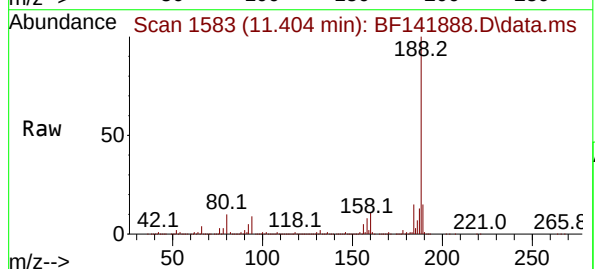
Manual Integrations
APPROVED

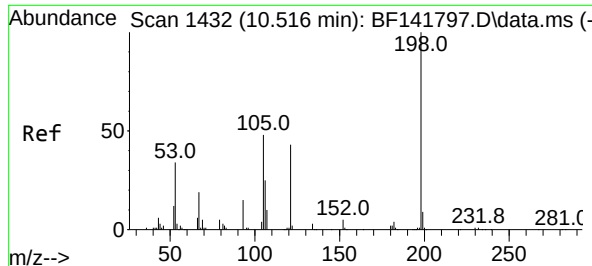
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

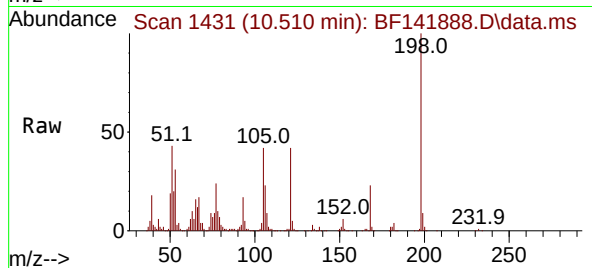
Tgt Ion:188 Resp: 568957
Ion Ratio Lower Upper
188 100
94 9.1 8.9 13.3
80 10.0 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 59.870 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

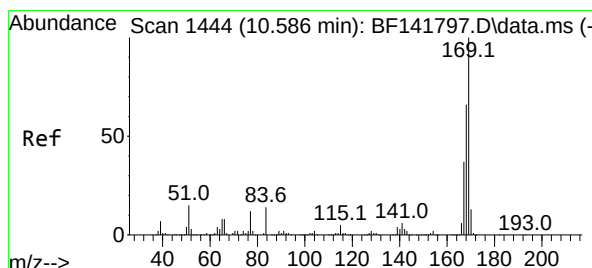
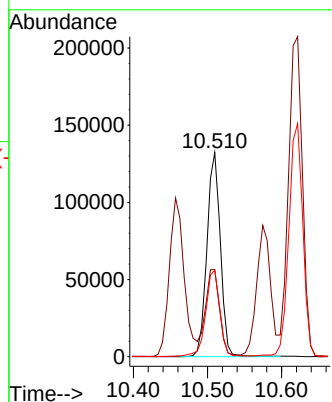
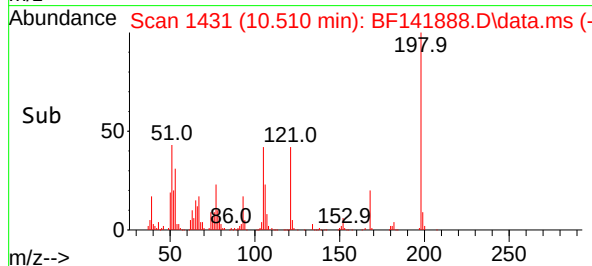
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



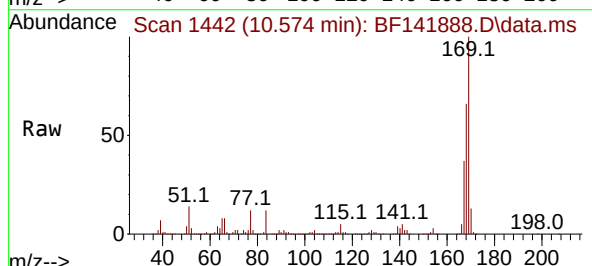
Tgt Ion:198 Resp: 166889
Ion Ratio Lower Upper
198 100
51 42.6 32.1 72.1
105 42.3 28.5 68.5

Manual Integrations
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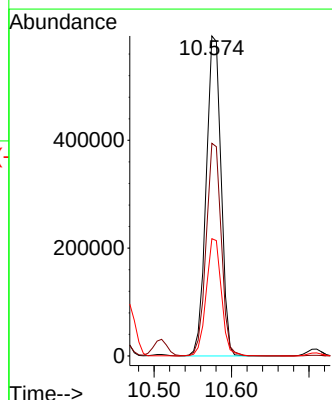
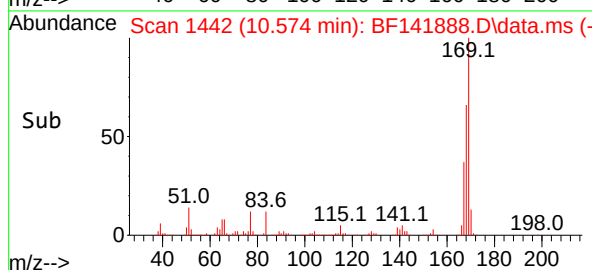
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

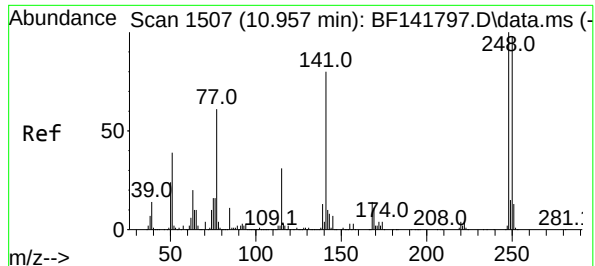


#66
n-Nitrosodiphenylamine
Concen: 42.352 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59



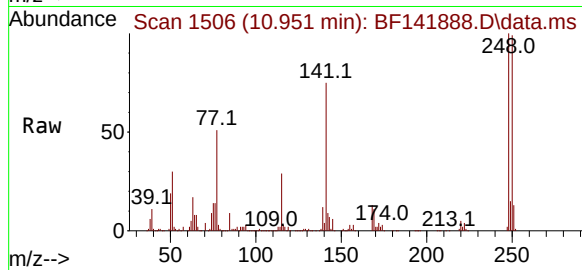
Tgt Ion:169 Resp: 791239
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.6
167 36.7 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 44.559 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

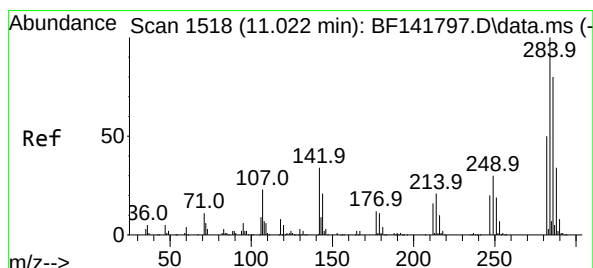
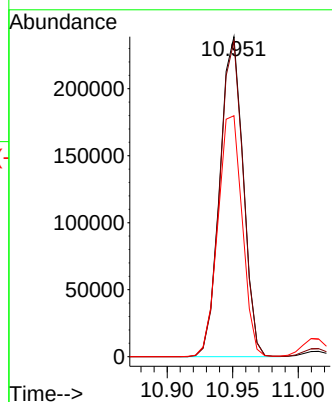
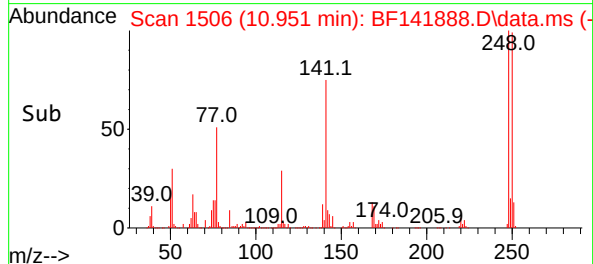
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:248 Resp: 29612
Ion Ratio Lower Upper
248 100
250 98.6 78.1 117.1
141 75.3 64.3 96.5

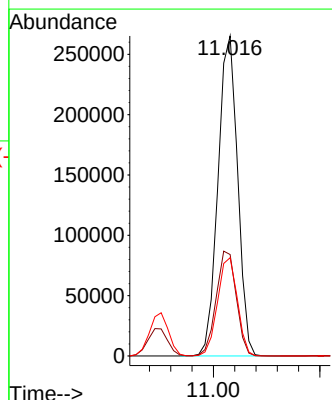
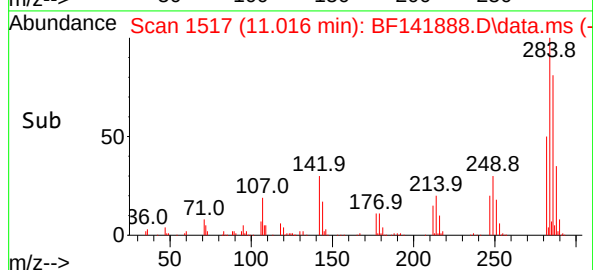
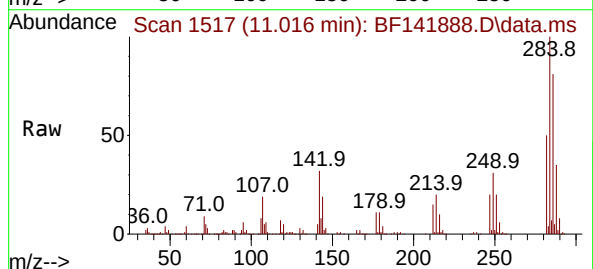
Manual Integrations
APPROVED

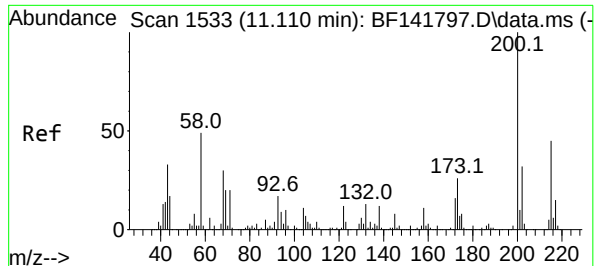
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#68
Hexachlorobenzene
Concen: 48.255 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:284 Resp: 338633
Ion Ratio Lower Upper
284 100
142 31.7 28.2 42.2
249 30.7 25.5 38.3





#69

Atrazine

Concen: 58.090 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:200 Resp: 29844

Ion Ratio Lower Upper

200 100

173 25.2 5.6 45.6

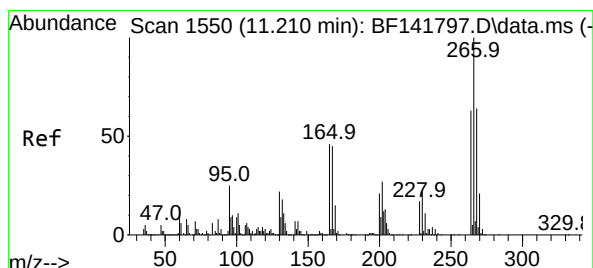
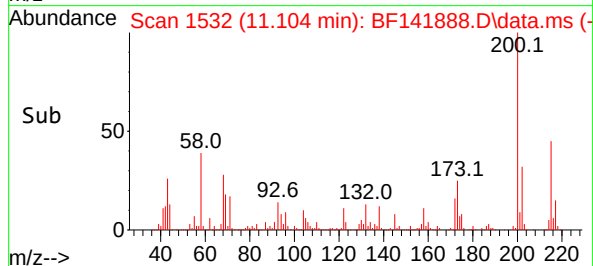
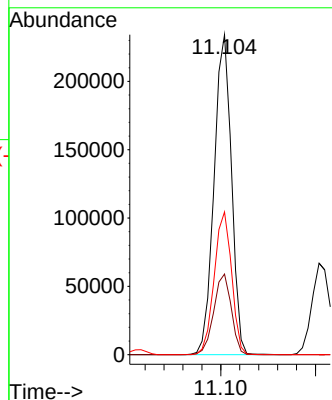
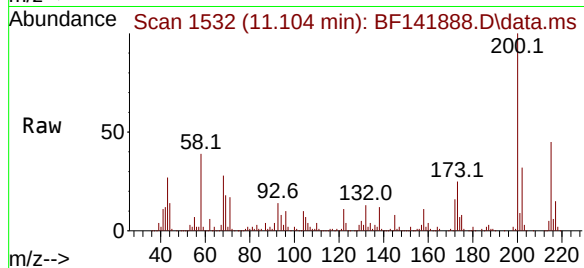
215 44.6 25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#70

Pentachlorophenol

Concen: 100.037 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

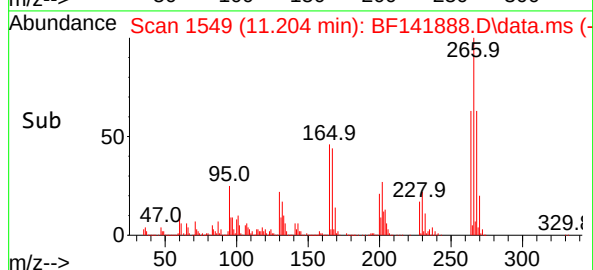
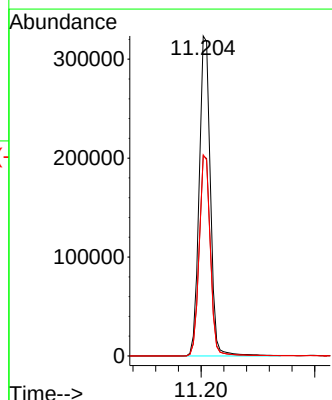
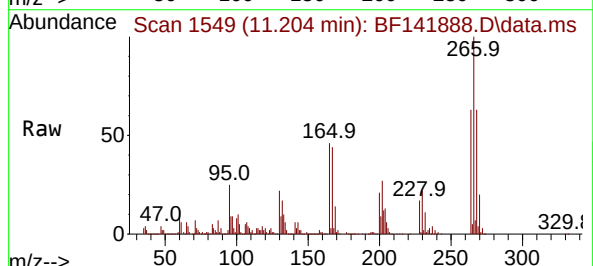
Tgt Ion:266 Resp: 445248

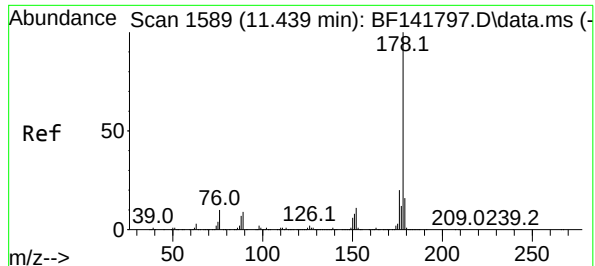
Ion Ratio Lower Upper

266 100

268 62.6 50.9 76.3

264 62.8 50.2 75.4





#71

Phenanthrene

Concen: 46.475 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:178 Resp: 1414380

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

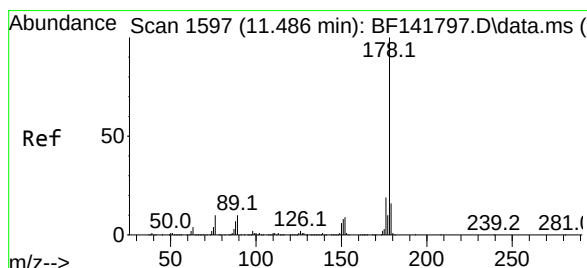
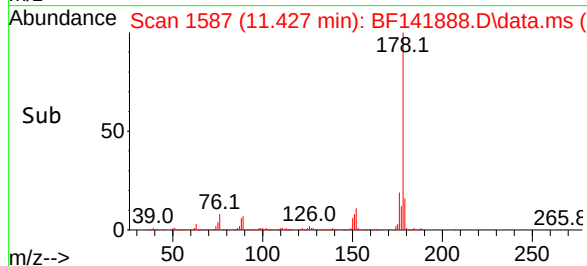
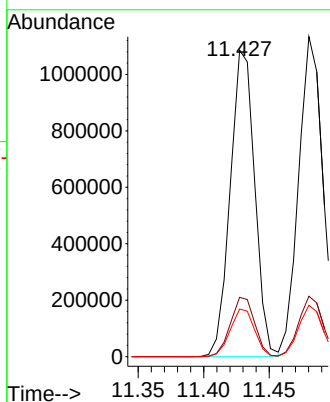
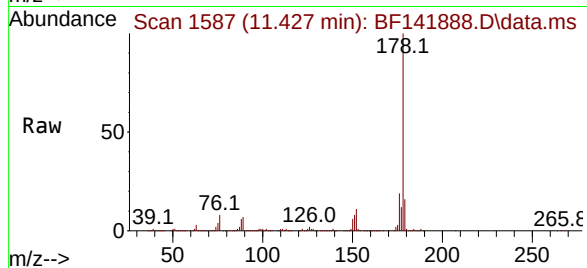
179 15.6 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#72

Anthracene

Concen: 47.268 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

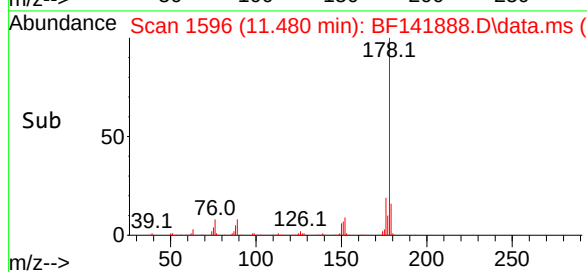
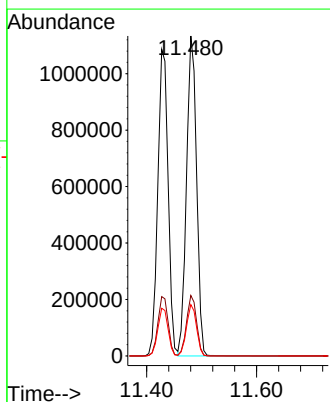
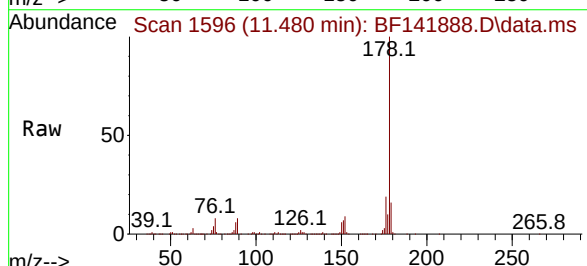
Tgt Ion:178 Resp: 1441729

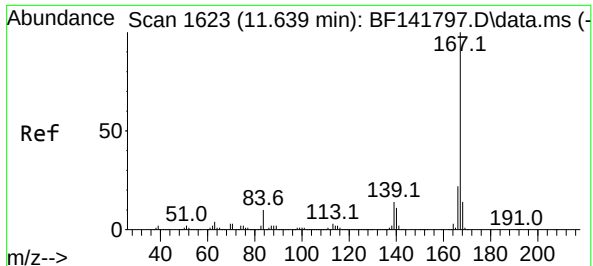
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

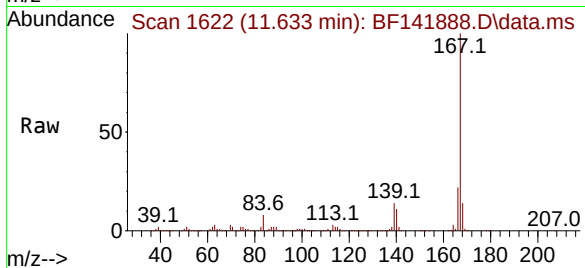
179 16.0 12.8 19.2





#73
Carbazole
Concen: 46.679 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

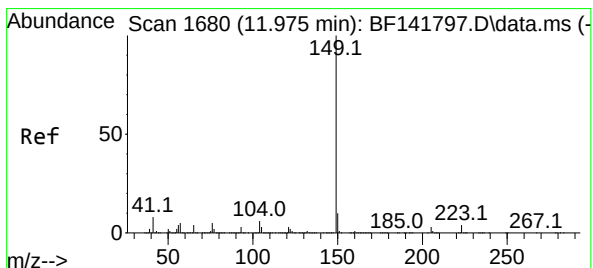
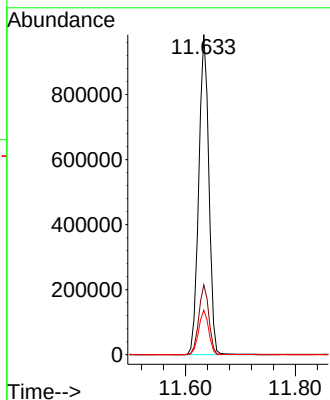
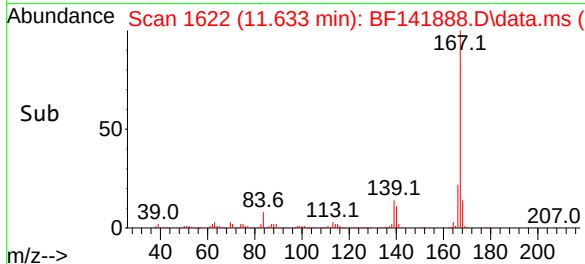
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:167 Resp: 125728
Ion Ratio Lower Upper
167 100
166 21.8 17.5 26.3
139 13.9 11.3 16.9

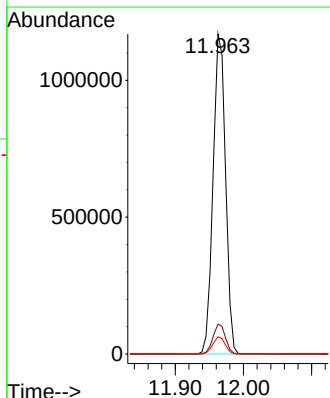
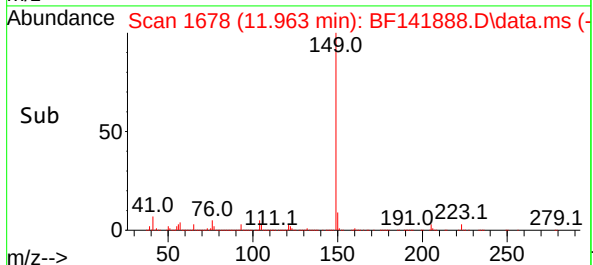
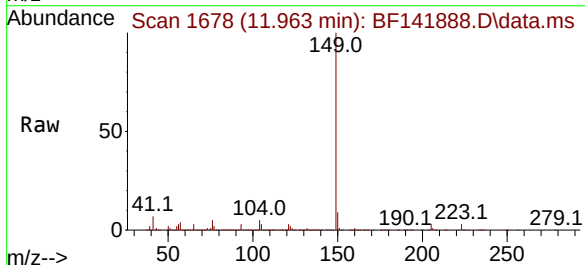
Manual Integrations
APPROVED

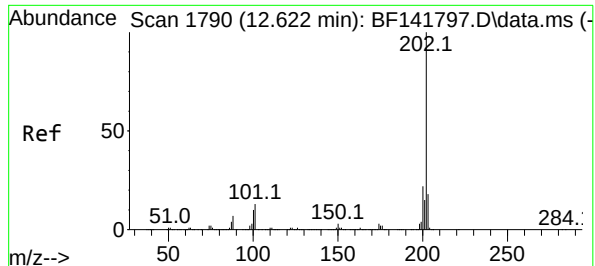
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#74
Di-n-butylphthalate
Concen: 43.590 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

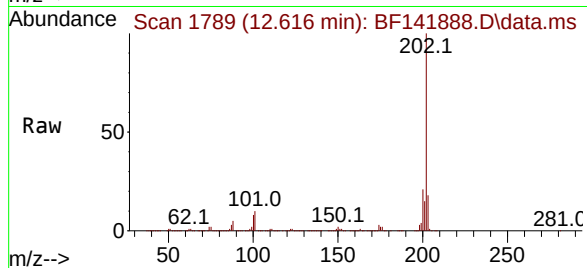
Tgt Ion:149 Resp: 1488257
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 5.4 4.4 6.6





#75
Fluoranthene
Concen: 46.638 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

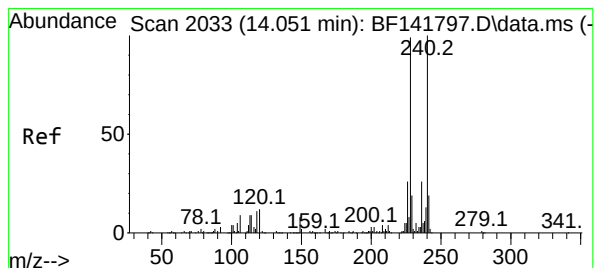
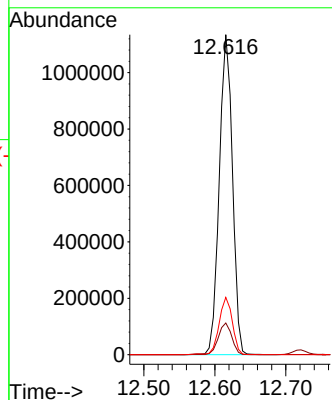
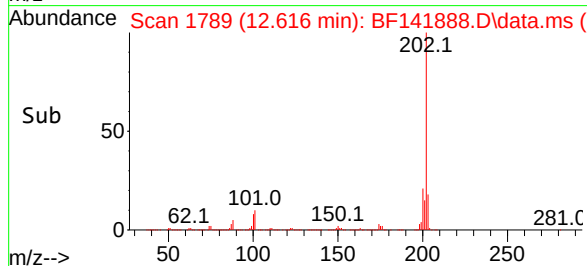
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:202 Resp: 145437
Ion Ratio Lower Upper
202 100
101 9.9 0.0 32.8
203 17.9 0.0 38.0

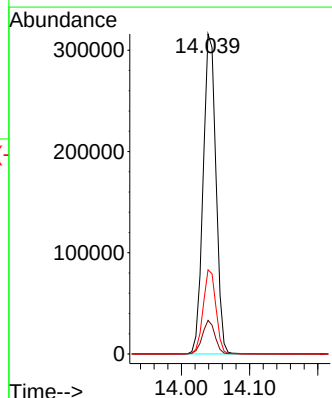
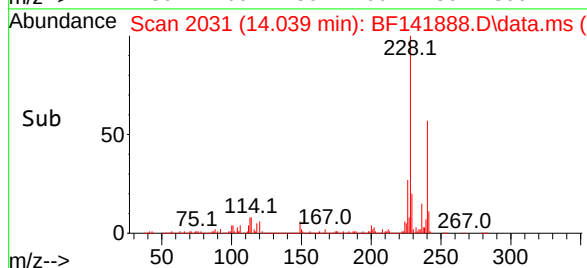
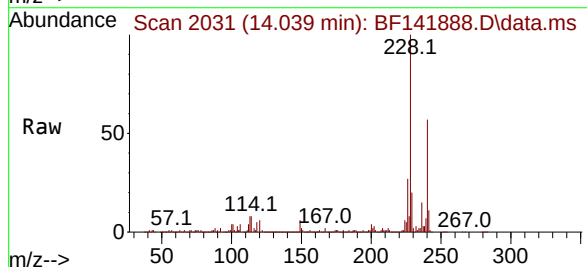
Manual Integrations
APPROVED

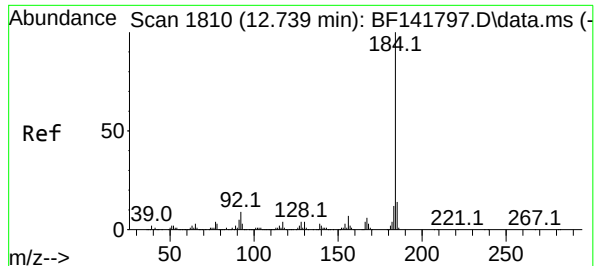
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:240 Resp: 412687
Ion Ratio Lower Upper
240 100
120 10.5 9.7 14.5
236 26.3 21.0 31.4





#77

Benzidine

Concen: 15.466 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

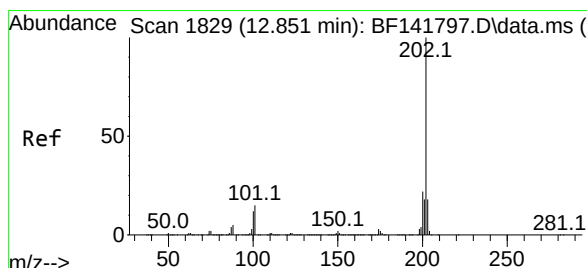
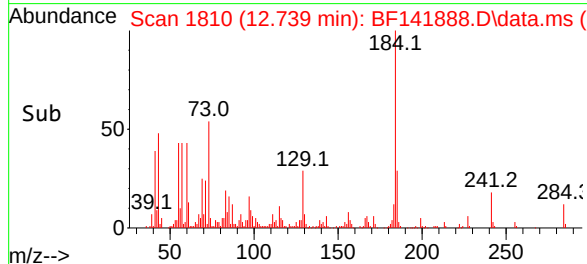
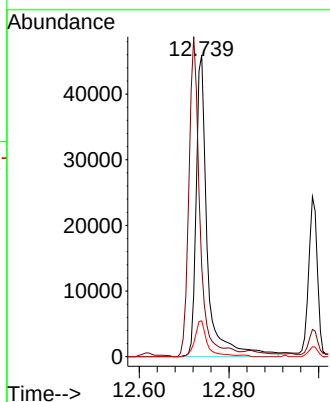
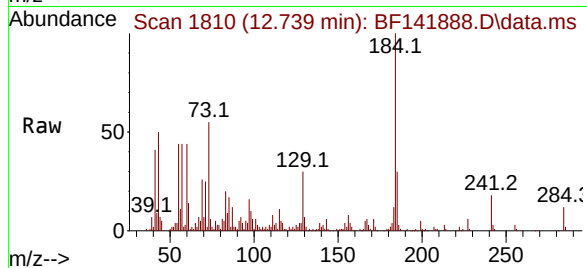
IDW-SO-COMP-022825MSD

Tgt Ion:	184	Resp:	8033
Ion Ratio	Lower	Upper	
184	100		
185	29.8	11.6	17.4
183	11.9	9.4	14.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#78

Pyrene

Concen: 42.820 ng

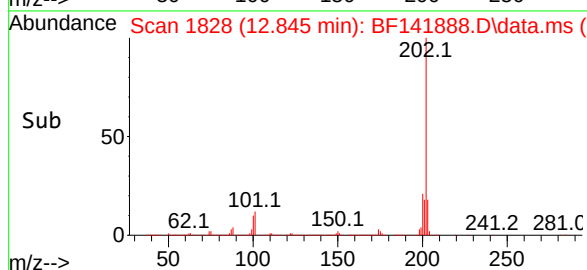
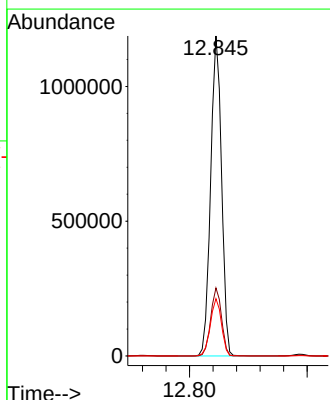
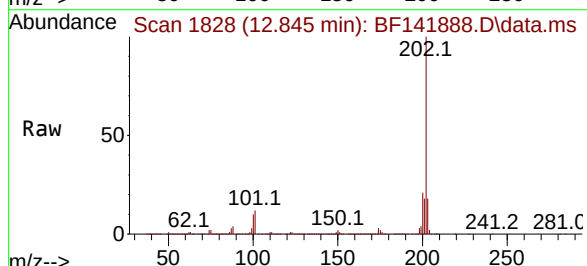
RT: 12.845 min Scan# 1828

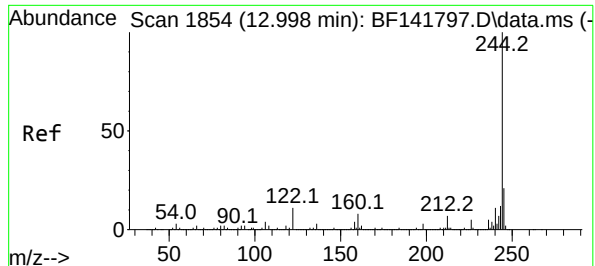
Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Tgt Ion:	202	Resp:	1530210
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.0
203	17.9	14.6	22.0





#79

Terphenyl-d14

Concen: 89.561 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141888.D

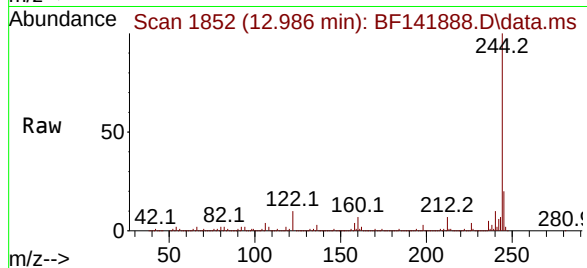
Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD



Tgt Ion:244 Resp: 228445

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

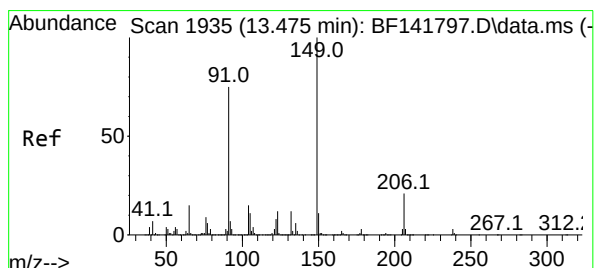
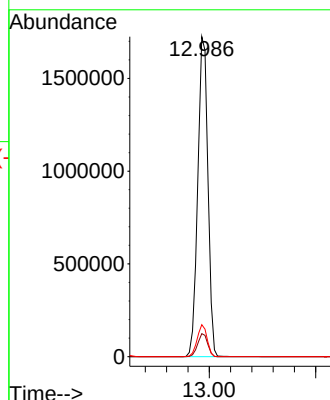
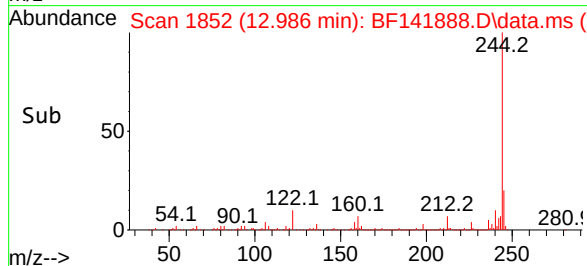
122 10.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#80

Butylbenzylphthalate

Concen: 46.619 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

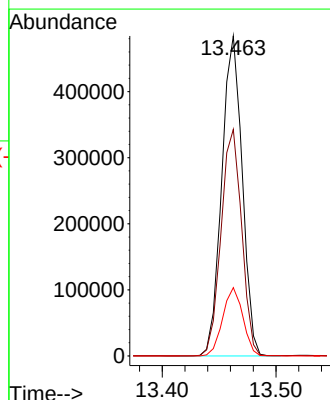
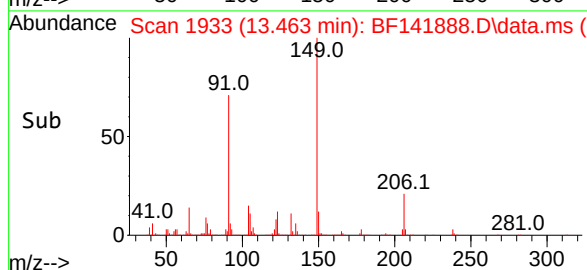
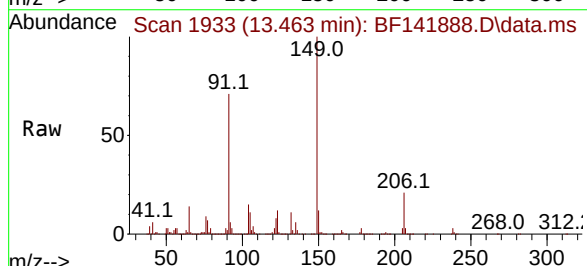
Tgt Ion:149 Resp: 605284

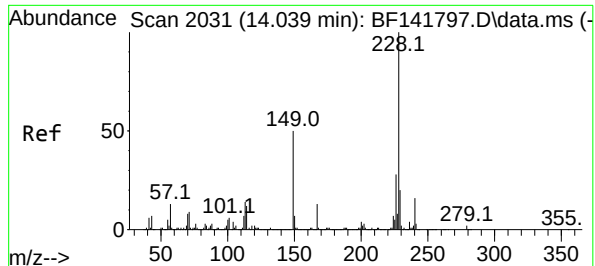
Ion Ratio Lower Upper

149 100

91 70.8 60.1 90.1

206 21.3 16.8 25.2





#81

Benzo(a)anthracene

Concen: 46.878 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:228 Resp: 127783

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

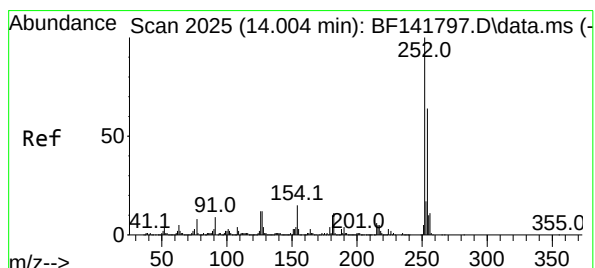
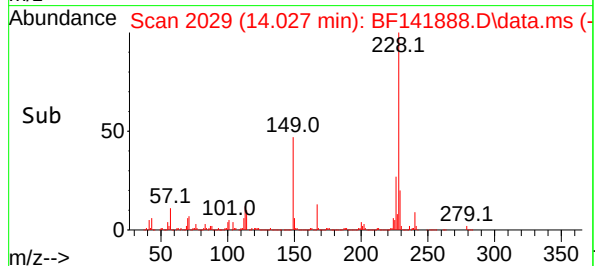
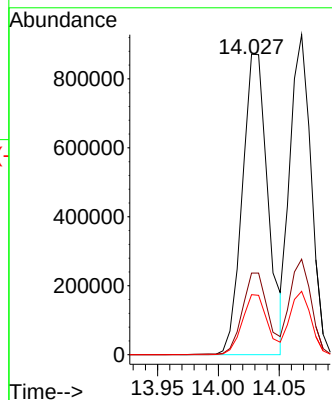
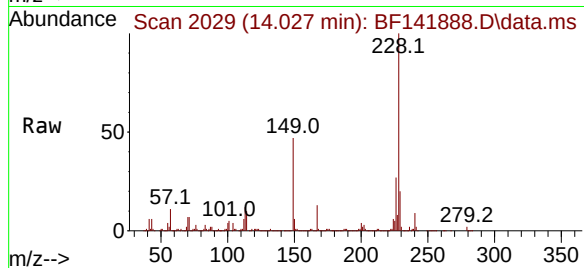
229 20.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#82

3,3'-Dichlorobenzidine

Concen: 20.757 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

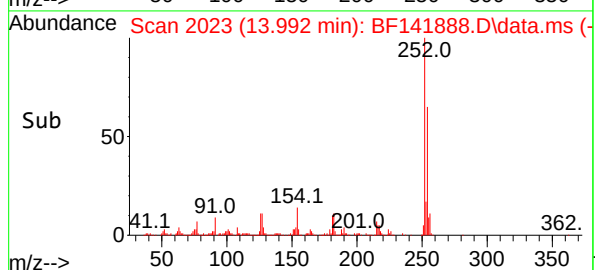
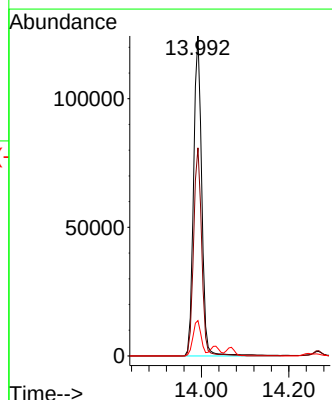
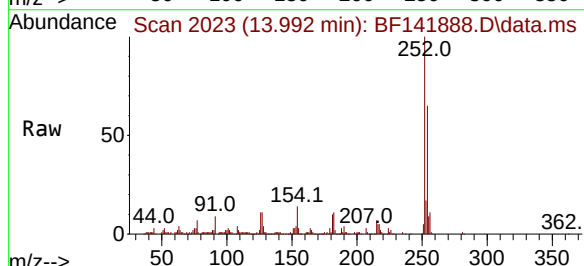
Tgt Ion:252 Resp: 162331

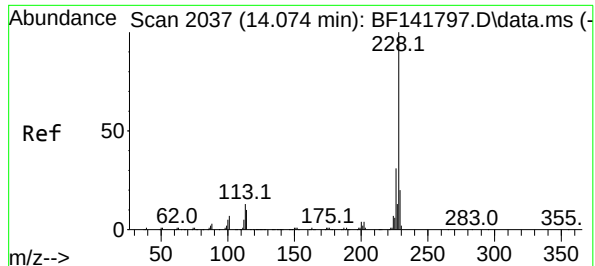
Ion Ratio Lower Upper

252 100

254 65.0 51.4 77.0

126 11.0 9.8 14.6





#83

Chrysene

Concen: 44.612 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:228 Resp: 1120992

Ion Ratio Lower Upper

228 100

226 29.9 24.6 37.0

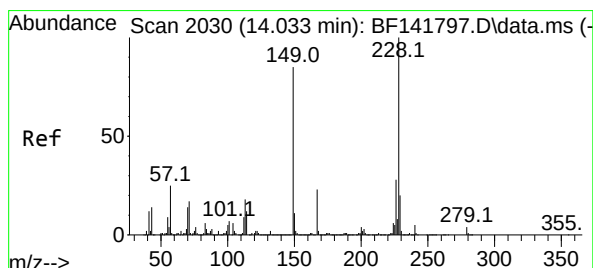
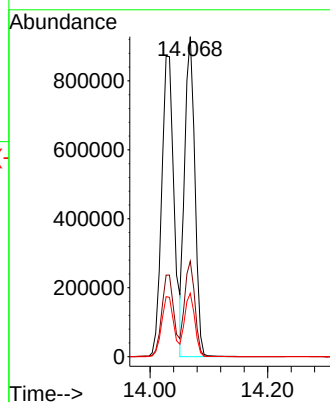
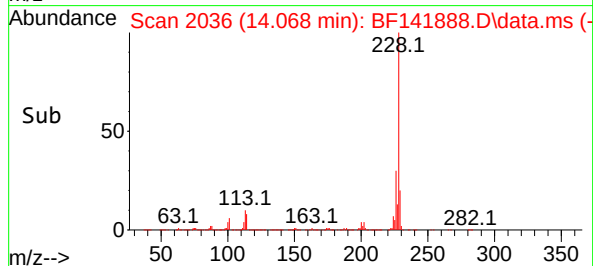
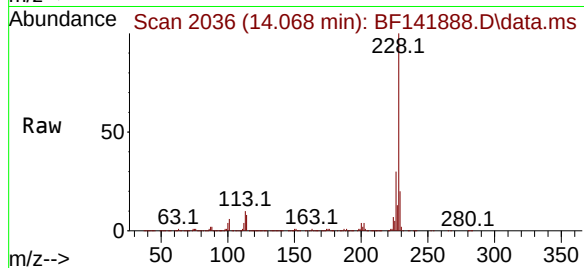
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.528 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

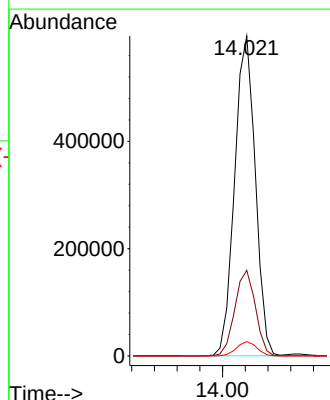
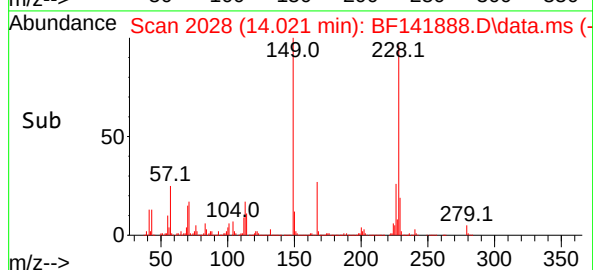
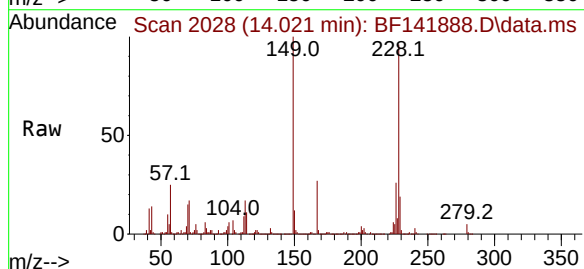
Tgt Ion:149 Resp: 752209

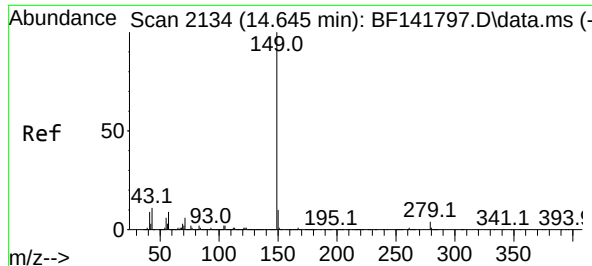
Ion Ratio Lower Upper

149 100

167 26.7 21.2 31.8

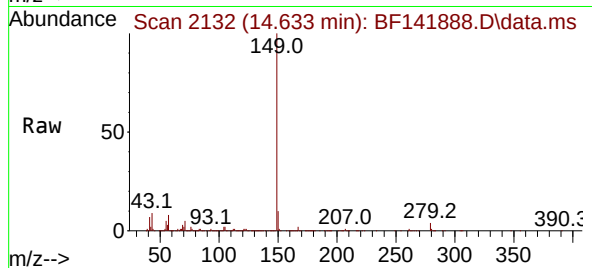
279 4.5 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 43.097 ng
RT: 14.633 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

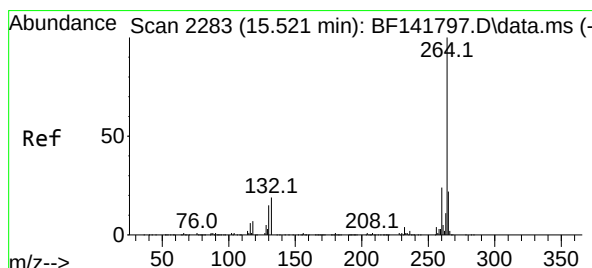
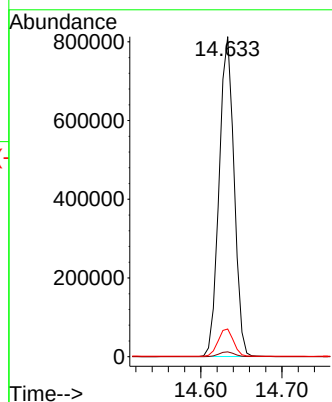
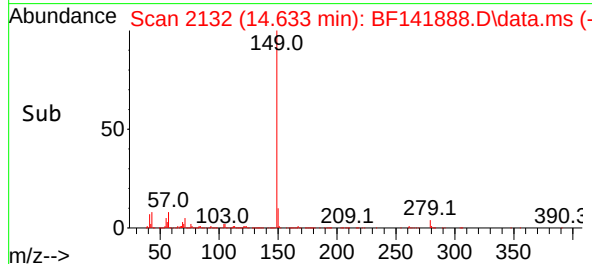
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion:149 Resp: 104308
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.8 8.6 12.8

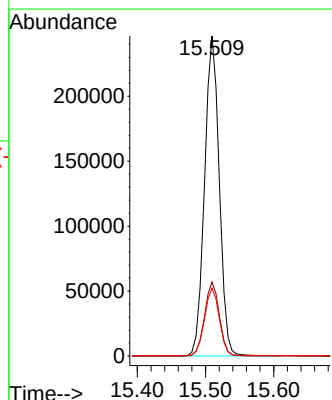
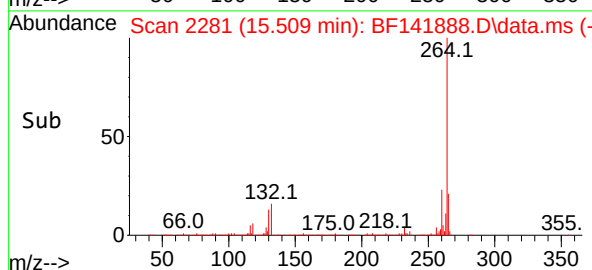
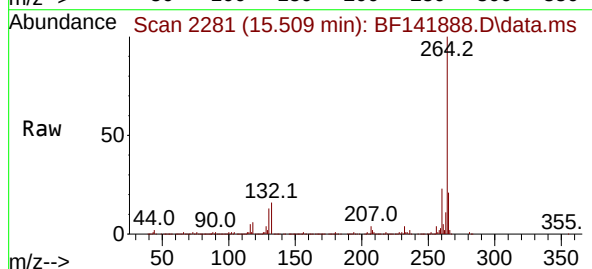
Manual Integrations
APPROVED

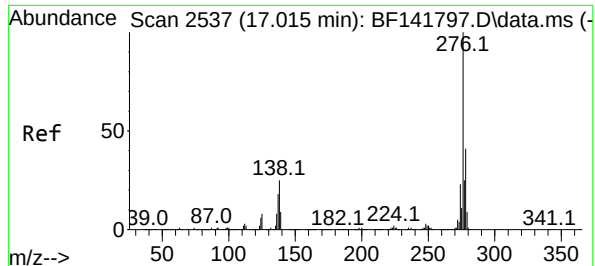
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion:264 Resp: 369642
Ion Ratio Lower Upper
264 100
260 23.1 18.9 28.3
265 21.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.351 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:276 Resp: 1232228

Ion Ratio Lower Upper

276 100

138 23.5 22.5 33.7

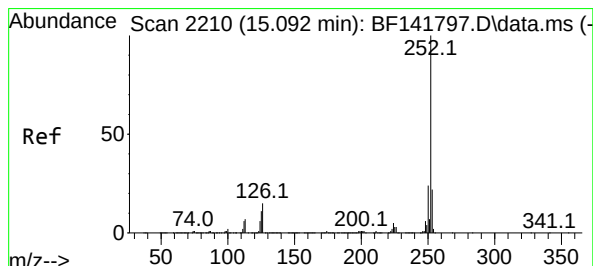
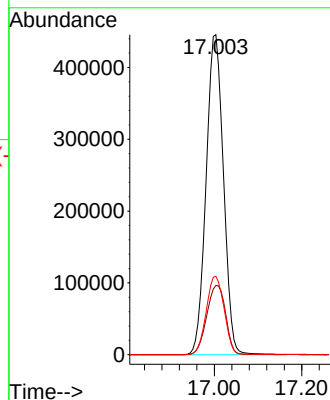
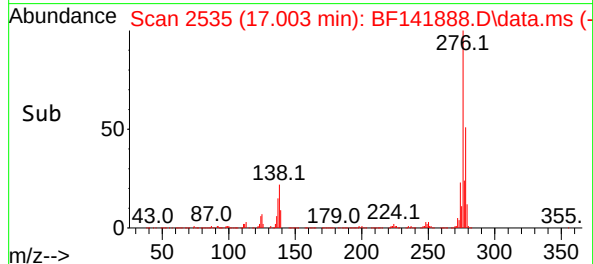
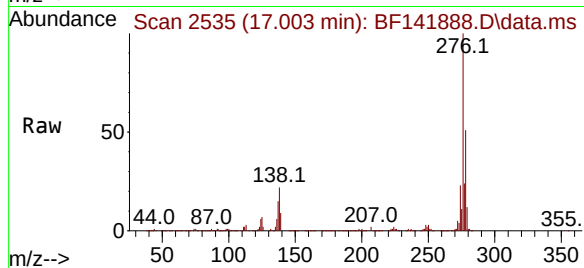
277 25.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#88

Benzo(b)fluoranthene

Concen: 37.779 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

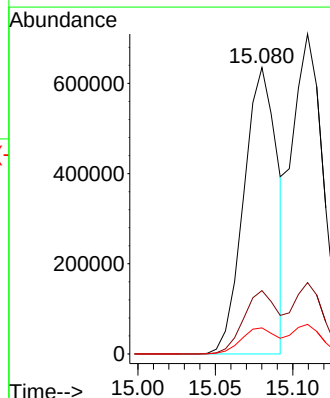
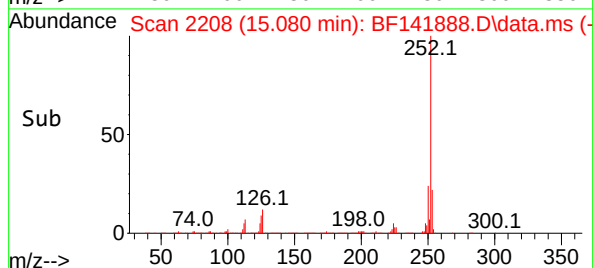
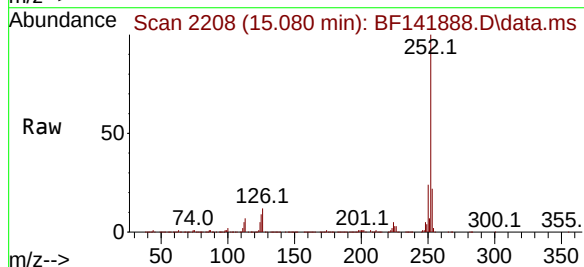
Tgt Ion:252 Resp: 951233

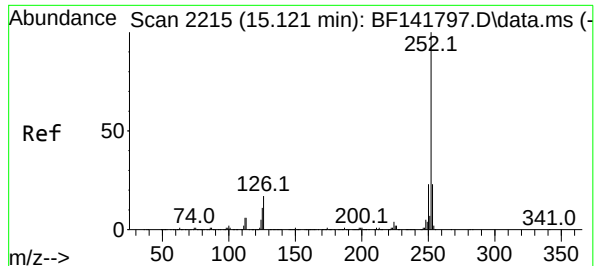
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 45.803 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

Instrument :

BNA_F

ClientSampleId :

IDW-SO-COMP-022825MSD

Tgt Ion:252 Resp: 98024

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

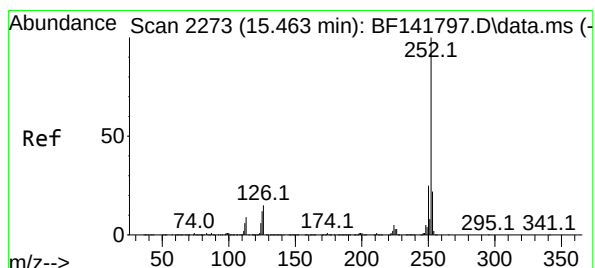
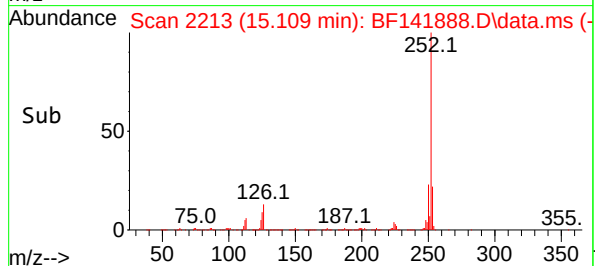
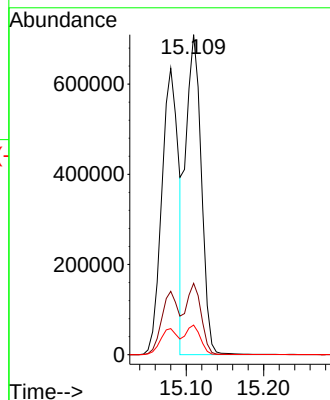
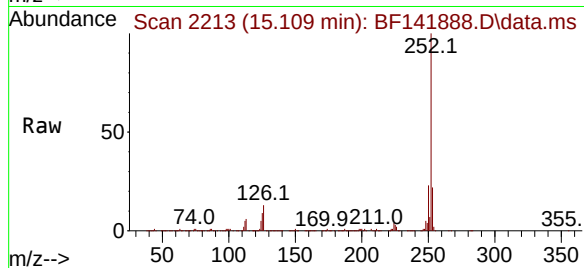
125 9.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025

Supervised By :Jagrut Upadhyay 03/10/2025



#90

Benzo(a)pyrene

Concen: 47.566 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141888.D

Acq: 07 Mar 2025 11:59

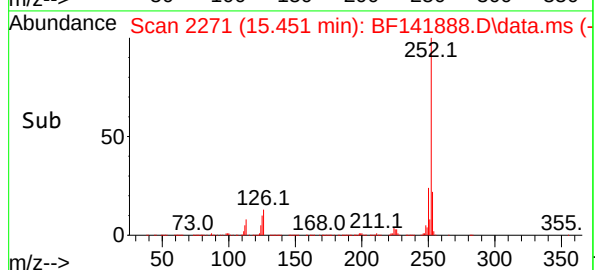
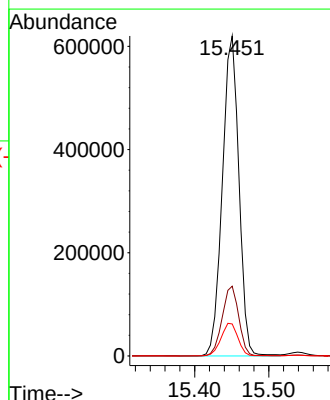
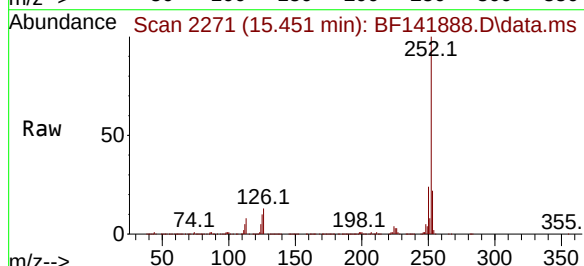
Tgt Ion:252 Resp: 960500

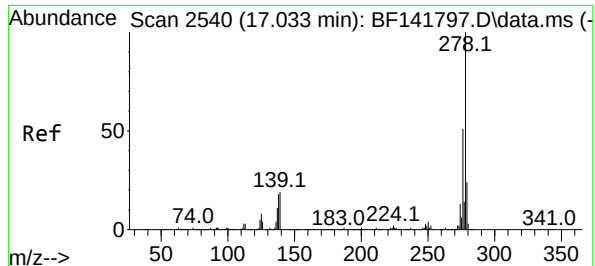
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

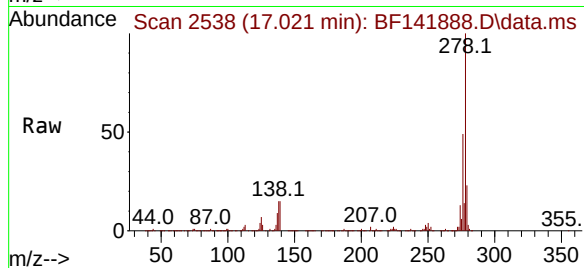
125 10.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 51.721 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

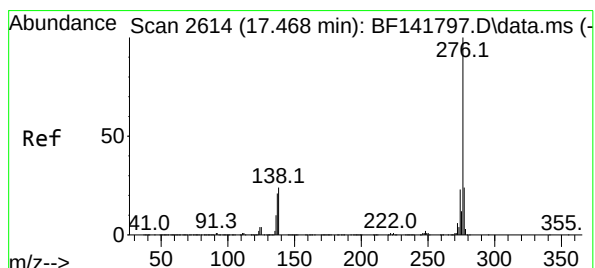
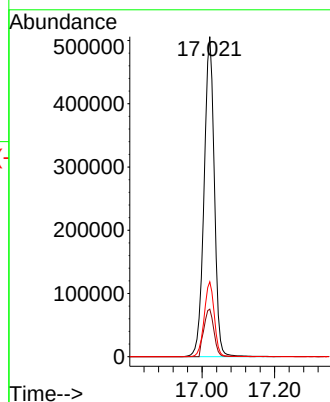
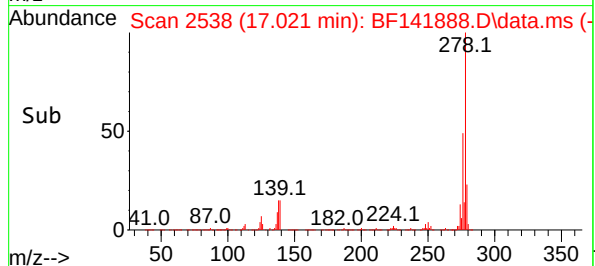
Instrument :
BNA_F
ClientSampleId :
IDW-SO-COMP-022825MSD



Tgt Ion: 278 Resp: 993711
Ion Ratio Lower Upper
278 100
139 14.8 14.9 22.3
279 23.4 19.3 28.9

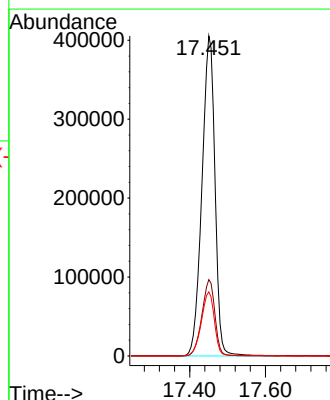
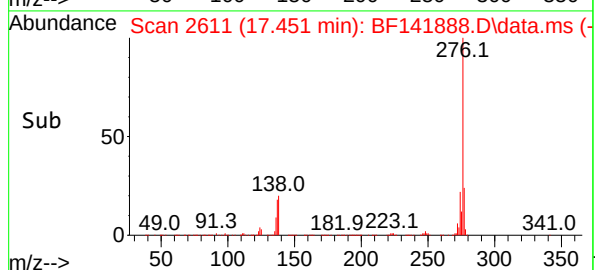
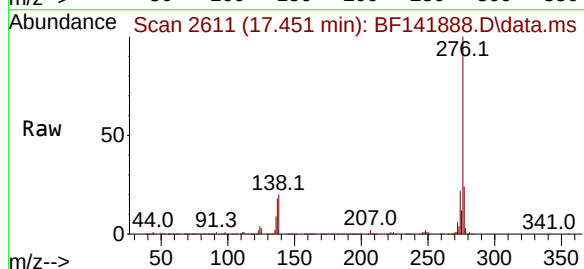
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 49.156 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141888.D
Acq: 07 Mar 2025 11:59

Tgt Ion: 276 Resp: 967540
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 20.1 19.3 28.9



Manual Integration Report

Sequence:

BF022725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF141794.D	Aniline	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC005	BF141794.D	Phenol	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC010	BF141795.D	Phenol	yogesh	2/28/2025 7:30:34 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC020	BF141796.D	Phenol	yogesh	2/28/2025 7:30:37 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICCC040	BF141797.D	Caprolactam	yogesh	2/28/2025 7:30:40 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Aniline	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Phenol	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF030725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167016BS	BF141884.D	Caprolactam	anahy	3/10/2025 10:10:30 AM	Jagrut	3/10/2025 10:28:20 AM	Peak Integrated by Software
Q1478-13MS	BF141887.D	Caprolactam	anahy	3/10/2025 10:12:37 AM	Jagrut	3/10/2025 10:28:23 AM	Peak Integrated by Software
Q1478-13MSD	BF141888.D	Caprolactam	anahy	3/10/2025 10:13:49 AM	Jagrut	3/10/2025 10:28:25 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM
SubDirectory	BF022725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141792.D	27 Feb 2025 14:47	RC/JU	Ok
2	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17	RC/JU	Ok
3	SSTDICC005	BF141794.D	27 Feb 2025 15:46	RC/JU	Ok,M
4	SSTDICC010	BF141795.D	27 Feb 2025 16:16	RC/JU	Ok,M
5	SSTDICC020	BF141796.D	27 Feb 2025 16:46	RC/JU	Ok,M
6	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	RC/JU	Ok,M
7	SSTDICC050	BF141798.D	27 Feb 2025 17:46	RC/JU	Ok
8	SSTDICC060	BF141799.D	27 Feb 2025 18:15	RC/JU	Ok
9	SSTDICC080	BF141800.D	27 Feb 2025 18:45	RC/JU	Ok,M
10	SSTDICV040	BF141801.D	27 Feb 2025 19:45	RC/JU	Ok
11	PB166879TB	BF141802.D	27 Feb 2025 20:44	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM
SubDirectory	BF030725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141881.D	07 Mar 2025 08:26	RC/JU	Ok
2	SSTDCCC040	BF141882.D	07 Mar 2025 08:56	RC/JU	Ok
3	PB167016BL	BF141883.D	07 Mar 2025 09:26	RC/JU	Ok
4	PB167016BS	BF141884.D	07 Mar 2025 09:55	RC/JU	Ok,M
5	PB166968TB	BF141885.D	07 Mar 2025 10:24	RC/JU	Ok
6	Q1478-13	BF141886.D	07 Mar 2025 11:00	RC/JU	Ok
7	Q1478-13MS	BF141887.D	07 Mar 2025 11:29	RC/JU	Ok,M
8	Q1478-13MSD	BF141888.D	07 Mar 2025 11:59	RC/JU	Ok,M
9	Q1481-02	BF141889.D	07 Mar 2025 12:29	RC/JU	Ok
10	Q1484-01DL	BF141890.D	07 Mar 2025 12:58	RC/JU	Ok,M
11	Q1518-01	BF141891.D	07 Mar 2025 13:28	RC/JU	Ok,M
12	Q1488-02	BF141892.D	07 Mar 2025 18:01	RC/JU	Ok
13	Q1488-02MS	BF141893.D	07 Mar 2025 18:30	RC/JU	Ok,M
14	Q1488-02MSD	BF141894.D	07 Mar 2025 18:59	RC/JU	Ok,M
15	Q1490-02	BF141895.D	07 Mar 2025 19:29	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM
SubDirectory	BF022725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141792.D	27 Feb 2025 14:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141794.D	27 Feb 2025 15:46	Compound #32,54,65,77 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF141795.D	27 Feb 2025 16:16	Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141796.D	27 Feb 2025 16:46	The Calibration is Fail for Com#77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF141798.D	27 Feb 2025 17:46		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141799.D	27 Feb 2025 18:15		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141800.D	27 Feb 2025 18:45	Compound #69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF022725	BF141801.D	27 Feb 2025 19:45	ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD	RC/JU	Ok
11	PB166879TB	PB166879TB	BF141802.D	27 Feb 2025 20:44		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM
SubDirectory	BF030725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141881.D	07 Mar 2025 08:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141882.D	07 Mar 2025 08:56		RC/JU	Ok
3	PB167016BL	PB167016BL	BF141883.D	07 Mar 2025 09:26		RC/JU	Ok
4	PB167016BS	PB167016BS	BF141884.D	07 Mar 2025 09:55		RC/JU	Ok,M
5	PB166968TB	PB166968TB	BF141885.D	07 Mar 2025 10:24		RC/JU	Ok
6	Q1478-13	IDW-SO-COMP-02282	BF141886.D	07 Mar 2025 11:00		RC/JU	Ok
7	Q1478-13MS	IDW-SO-COMP-02282	BF141887.D	07 Mar 2025 11:29		RC/JU	Ok,M
8	Q1478-13MSD	IDW-SO-COMP-02282	BF141888.D	07 Mar 2025 11:59		RC/JU	Ok,M
9	Q1481-02	WC-K1311	BF141889.D	07 Mar 2025 12:29		RC/JU	Ok
10	Q1484-01DL	TR-OTR-COMP-01DL	BF141890.D	07 Mar 2025 12:58		RC/JU	Ok,M
11	Q1518-01	OILY-DEBRIS-COMP	BF141891.D	07 Mar 2025 13:28	Internal Standard Fail	RC/JU	Ok,M
12	Q1488-02	ENV-101-SB01	BF141892.D	07 Mar 2025 18:01		RC/JU	Ok
13	Q1488-02MS	ENV-101-SB01MS	BF141893.D	07 Mar 2025 18:30		RC/JU	Ok,M
14	Q1488-02MSD	ENV-101-SB01MSD	BF141894.D	07 Mar 2025 18:59		RC/JU	Ok,M
15	Q1490-02	CLAY-SLUDGE-DRUM	BF141895.D	07 Mar 2025 19:29		RC/JU	Ok

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 : 115525

Start Prep Date : 03/04/2025 Time : 17:00

End Prep Date : 03/05/2025 Time : 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ¹⁸N/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
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
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. Particle size reduction is not required. Tumbler T-1 / T-2 checked, 30 rpm. Q1489-16 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/05/25 12:40	¹⁸ / TCLP Room	S129. AS 1 EXT
	Preparation Group	Analysis Group ¹²

TCLP EXTRACTION LOGPAGE

PB166968

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
PB166968TB	LEB968	12	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1478-13	IDW-SO-COMP-022825	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-08	TP-1	02	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1480-16	TP-2	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-24	TP-3	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1480-32	TP-4	05	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1481-02	WC-K1311	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1484-06	TR-OTR-COMP-01	07	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1489-04	TP-1	08	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1489-08	TP-2	09	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1489-12	TP-3	10	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1489-16	TP-4	11	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166968TB	LEB968	N/A	N/A	N/A	N/A	N/A	N/A
Q1478-13	IDW-SO-COMP-022825	N/A	N/A	N/A	N/A	100	N/A
Q1480-08	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1480-16	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1480-24	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1480-32	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q1481-02	WC-K1311	N/A	N/A	N/A	N/A	100	N/A
Q1484-06	TR-OTR-COMP-01	N/A	N/A	N/A	N/A	100	N/A
Q1489-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1489-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1489-12	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1489-16	TP-4	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
PB166968TB	LEB968	N/A	N/A	N/A	N/A	#1	4.93
Q1478-13	IDW-SO-COMP-022825	5.02	96.5	7.2	2.5	#1	4.93
Q1480-08	TP-1	5.01	96.5	8.0	3.0	#1	4.93
Q1480-16	TP-2	5.02	96.5	8.2	3.0	#1	4.93
Q1480-24	TP-3	5.03	96.5	7.0	2.5	#1	4.93
Q1480-32	TP-4	5.04	96.5	6.0	2.0	#1	4.93
Q1481-02	WC-K1311	5.02	96.5	7.2	2.5	#1	4.93
Q1484-06	TR-OTR-COMP-01	5.03	96.5	7.2	2.5	#1	4.93
Q1489-04	TP-1	5.02	96.5	6.2	2.0	#1	4.93
Q1489-08	TP-2	5.01	96.5	6.6	2.5	#1	4.93
Q1489-12	TP-3	5.02	96.5	6.6	2.0	#1	4.93
Q1489-16	TP-4	5.03	96.5	6.0	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1480

WorkList ID : 188002

Department : TCLP Extraction

Date : 03-04-2025 10:00:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1478-13	IDW-SO-COMP-022825	Solid	TCLP Extraction	Cool 4 deg C	JACO05	H31	02/28/2025	1311
Q1480-08	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1480-16	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1480-24	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1480-32	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1481-02	WC-K1311	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I11	03/03/2025	1311
Q1484-06	TR-OTR-COMP-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	H31	03/04/2025	1311
Q1489-04	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	H31	03/04/2025	1311
Q1489-08	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I22	03/04/2025	1311
Q1489-12	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I22	03/04/2025	1311
Q1489-16	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I22	03/04/2025	1311

Date/Time 03/04/25 16:20
 Raw Sample Received by: SL (COC)
 Raw Sample Relinquished by: CP SM

Date/Time 03/04/25 18:30
 Raw Sample Received by: AD SM
 Raw Sample Relinquished by: SL COC

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strlp Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 03/05/2025

Extraction Start Time : 13:00

Extraction End Date : 03/05/2025

Extraction End Time : 17:55

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Seperatory Funnel

☐ Continious Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
H2SO4 1:1	N/A	EP2565
10N NaoH	N/A	EP2559
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:

pH Adjusted to <2 with 1:1 H2SO4 and > 11 with 10N NaOH, 1.5ML Vial Lot # 2210673.

KD Bath ID: Water bath -01,02

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

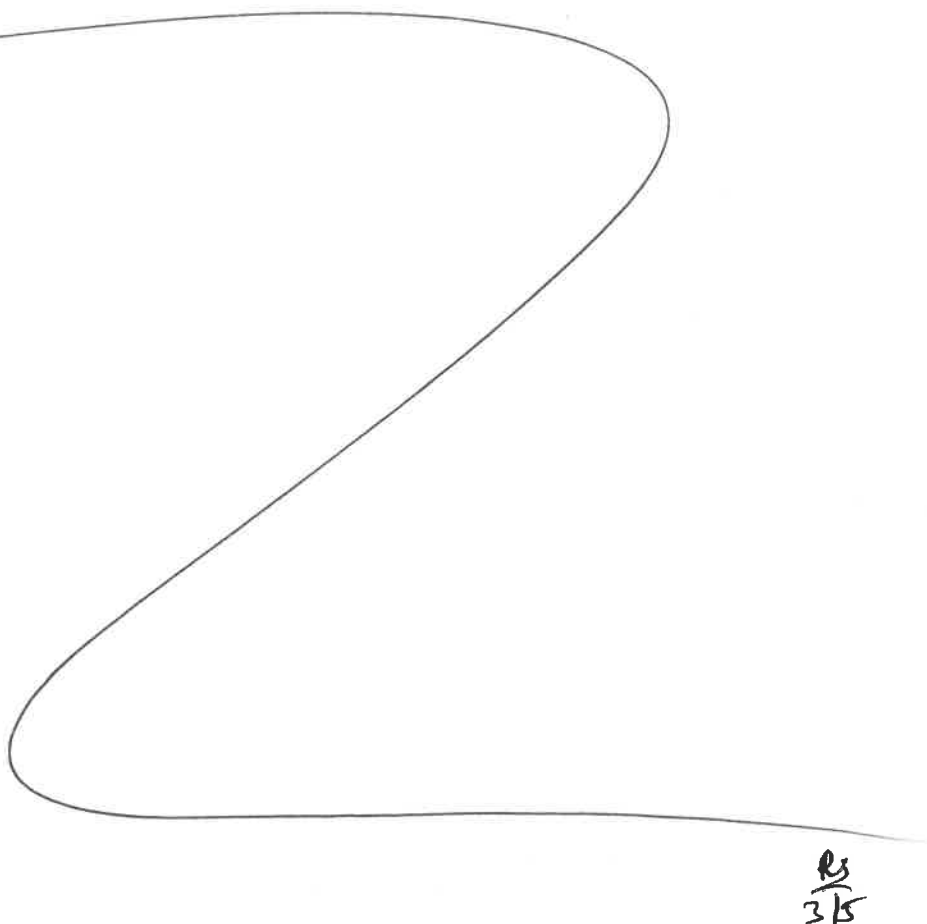
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/5/25	RS (Ext Lab)	Rclsvoc
18:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 03/05/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166968TB	PB166968TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167016BL	PB167016BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB167016BS	PB167016BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1478-13	IDW-SO-COMP-022825	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1478-13MS	IDW-SO-COMP-022825MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1478-13MS D	IDW-SO-COMP-022825MS SD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1481-02	WC-K1311	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1484-06	TR-OTR-COMP-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8



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
PB166968TB	LEB968	12	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1478-13	IDW-SO-COMP-022825	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-08	TP-1	02	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1480-16	TP-2	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1480-24	TP-3	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1480-32	TP-4	05	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1481-02	WC-K1311	06	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1484-06	TR-OTR-COMP-01	07	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1489-04	TP-1	08	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1489-08	TP-2	09	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1489-12	TP-3	10	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1489-16	TP-4	11	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

03/05/25
RHS

Prep Standard - Chemical Standard Summary

Order ID : Q1478

Test : TCLP BNA

Prepbatch ID : PB167016,

Sequence ID/Qc Batch ID: BF030725,

Standard ID :

EP2559,EP2565,EP2590,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :

10ul/1000ul

sample,E3551,E3657,E3815,E3828,E3846,E3871,E3874,E3878,M5173,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12653,S12791,S12963,S12964,S12965,S12966,W3112,



<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>
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024
<u>FROM</u>	1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 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>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024
<u>FROM</u> 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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	EP2590	02/26/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 02/26/2025

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>
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024
<u>FROM</u>	0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml							

<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
<u>FROM</u> 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = 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>
3895	50 ug/ml DFTTP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel
								01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

<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	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel
								02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml



<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	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025
<u>FROM</u>	0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml							

<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	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025
<u>FROM</u>	0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = 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	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = 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	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = 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	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = 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	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = 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	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = 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	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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>
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025
<u>FROM</u>	0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 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 #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,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	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,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-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	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	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

[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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

[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	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12522

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

[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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

[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, CH ₂ Cl ₂ , 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	08/25/2025	02/25/2025 / anahy	09/20/2024 / anahy	S12653

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

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]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

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



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-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.



5580 Skylane Blvd
Santa Rosa, CA 95403

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Manufacturer's Quality System
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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-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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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-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

Erica Castiglione

Certified By:

Erica Castiglione
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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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.

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:

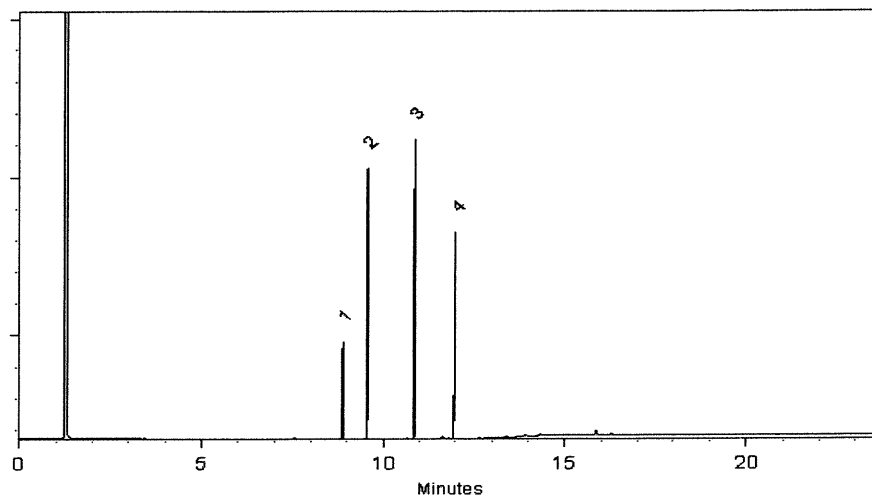
250°C

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
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

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Gravimetric Certificate



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. : 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 (Lot MKCN1089)		+/- 753.2622 µg/mL Unstressed
	Purity 99%		+/- 905.6020 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
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.



CERTIFIED REFERENCE MATERIAL

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Fax: (814)353-1309

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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.

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:

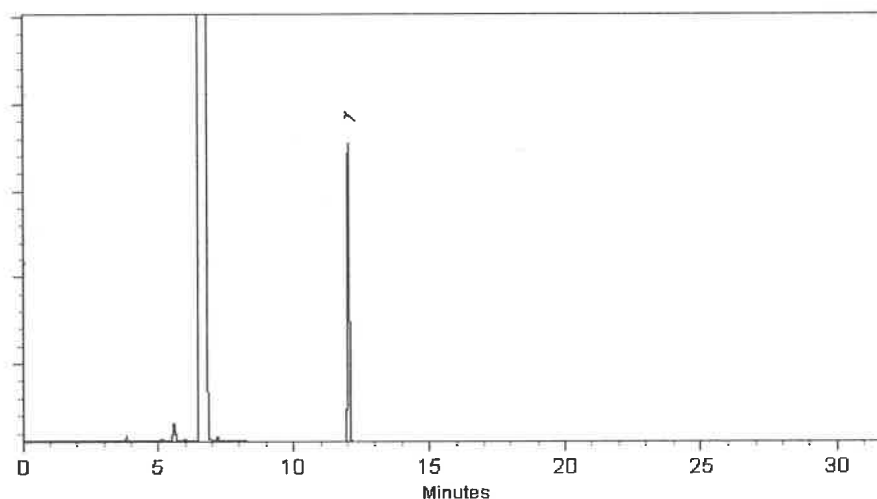
200°C

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
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

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. : 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:

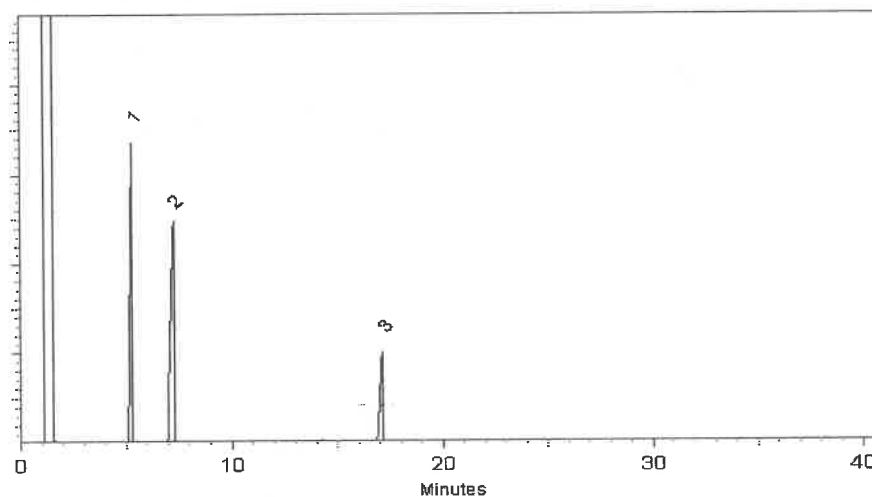
250°C

Det. Temp:

330°C

Det. Type:

FID



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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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Inj. Temp:

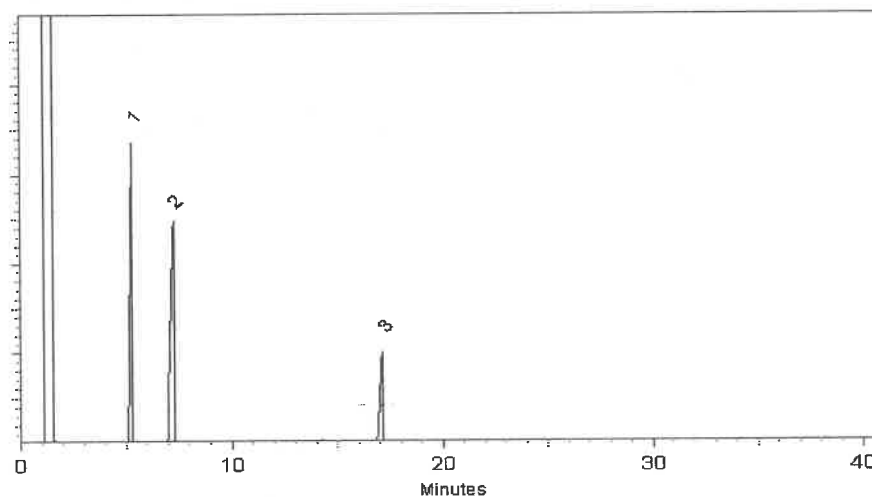
250°C

Det. Temp:

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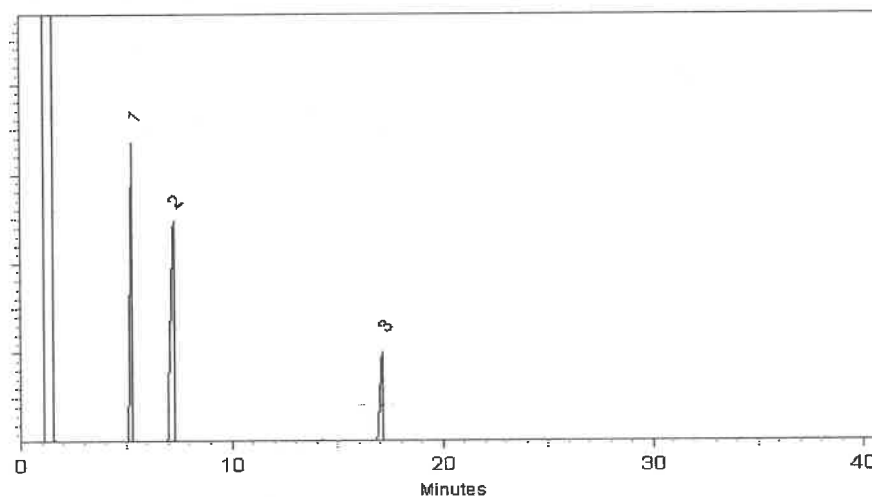
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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

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:

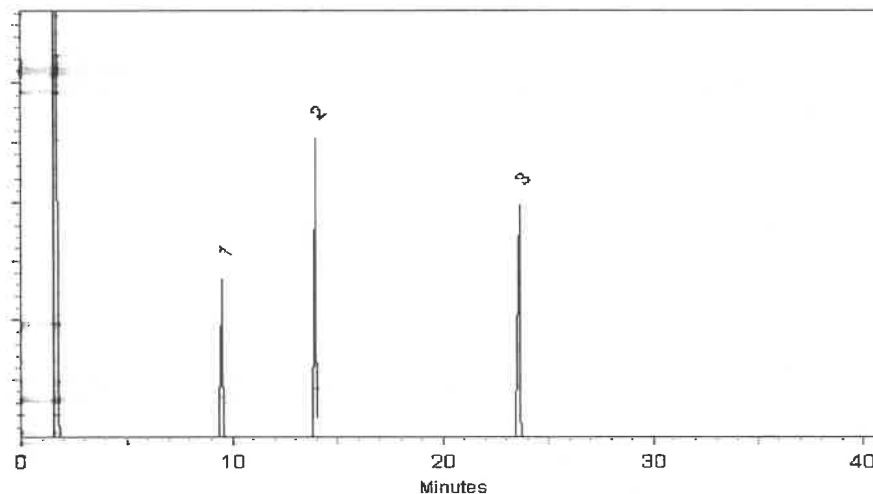
250°C

Det. Temp:

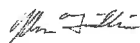
330°C

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

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Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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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:

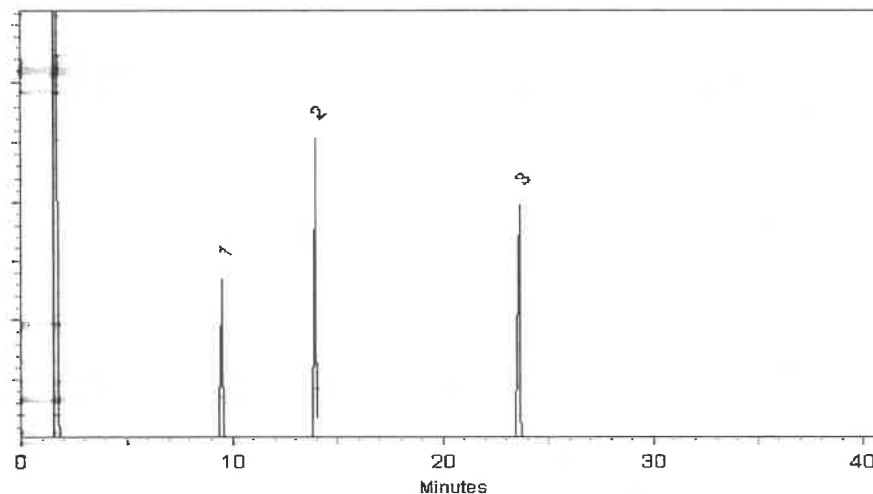
250°C

Det. Temp:

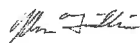
330°C

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

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Container Size : 5 mL **Pkg Amt:** > 5 mL
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Handling: Sonicate prior to use. **Ship:** Ambient

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:

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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:

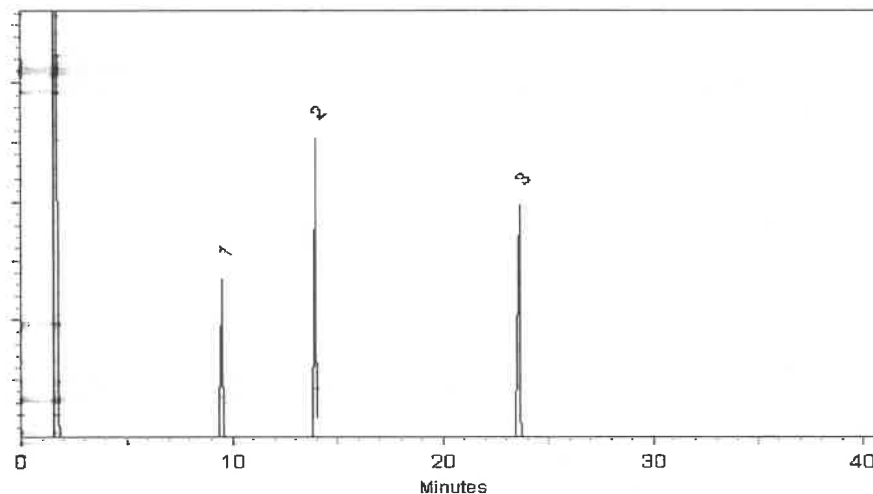
250°C

Det. Temp:

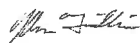
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2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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Column:

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Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

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Inj. Temp:

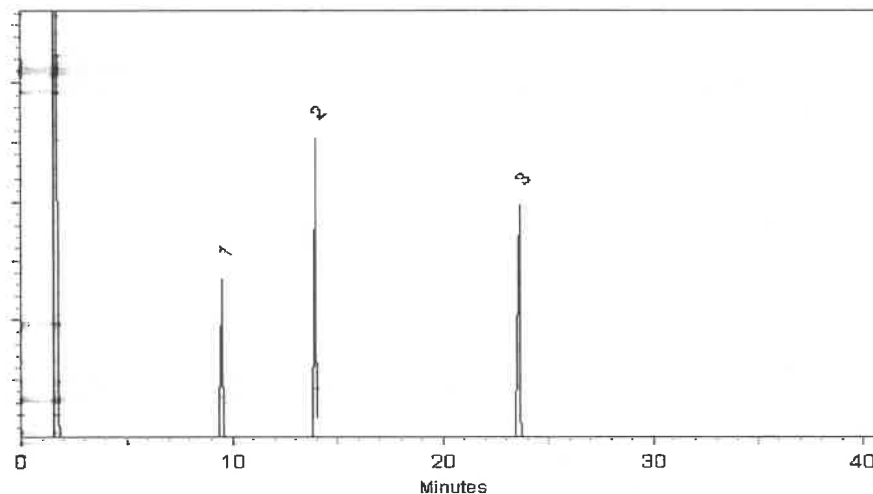
250°C

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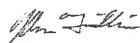
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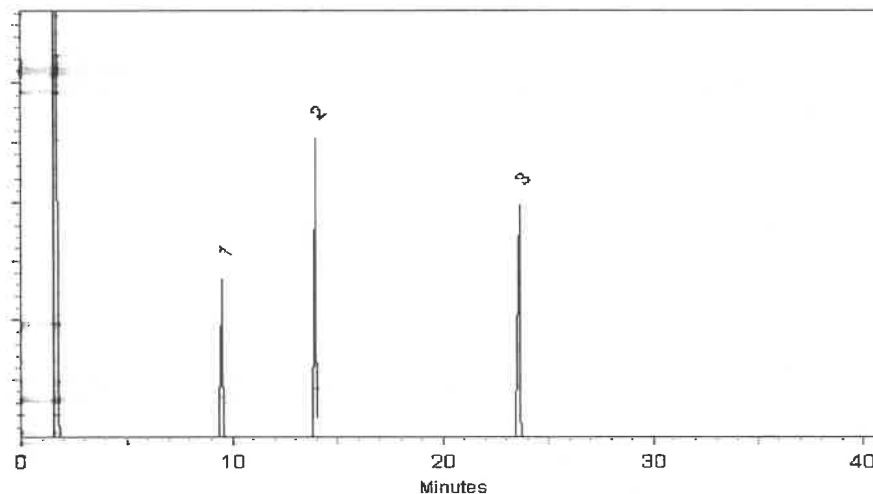
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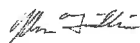
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Inj. Temp:

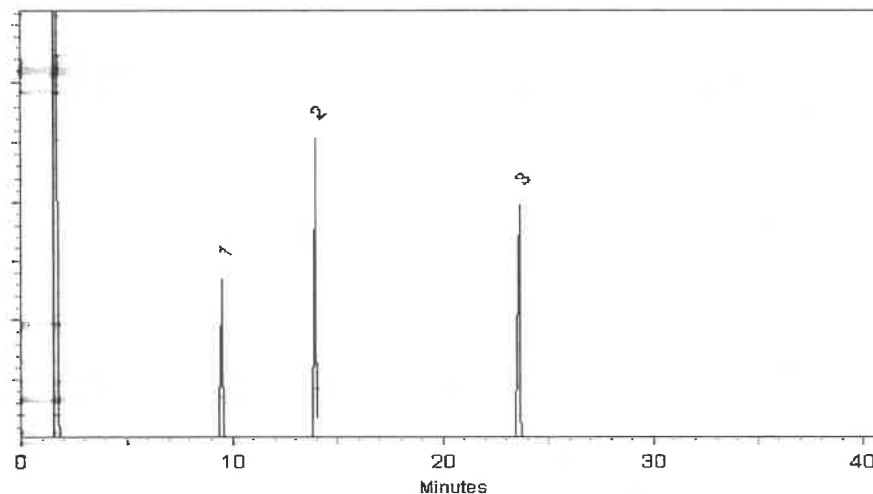
250°C

Det. Temp:

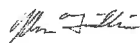
330°C

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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.

Received by
CG on
12/28/22
\$10981
to
\$11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL 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:

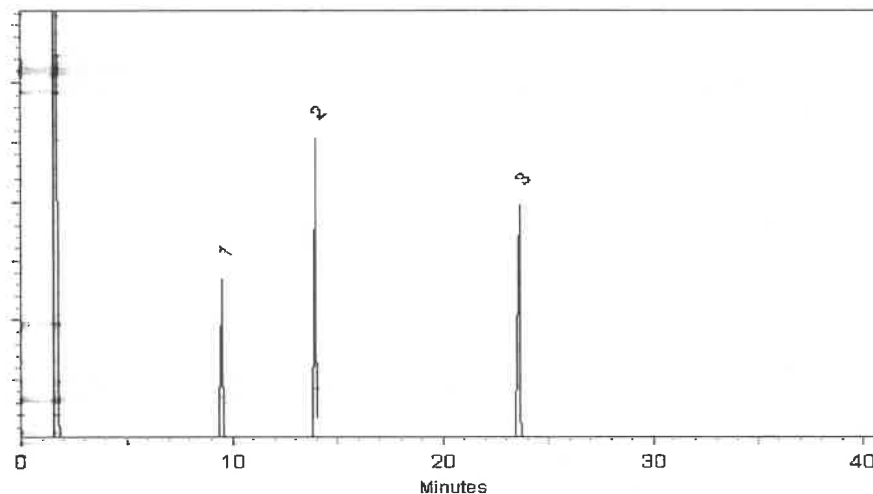
250°C

Det. Temp:

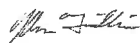
330°C

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. : 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.
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.
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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

verage factor of 2, which gives a level of confidence of approximately 95%.
ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure
nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
traceable weights, and/or dilutions with Class A glassware.

;
the unopened product, when stored in compliance with the recommended conditions, is guaranteed through
ion displayed on the product label and certificate. Contact Restek for additional opened product stability
i, with the knowledge/understanding that open product stability is subject to the specific handling and
ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with
ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
des complete instructions.
solved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



**PRODUCTOS
QUÍMICOS
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



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

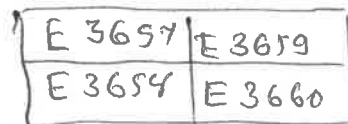
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



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

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	≤ 1.0 ppm	0.2 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 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)

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

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)



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

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	$\leq 1.0 \text{ ppm}$	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
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 3878

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

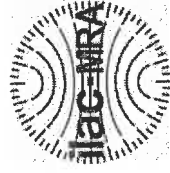

Jamie Ethier
Vice President Global Quality



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com



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.: A0200549

Description: Custom 2,4-Dinitrophenol Standard

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: August 31, 2026 Storage: 10°C or colder

Ship: Ambient

5116gh } Y.P.
↓
511693 } 08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Tom Suckar Mix Technician

Date Mixed: 02-Aug-2023 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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.



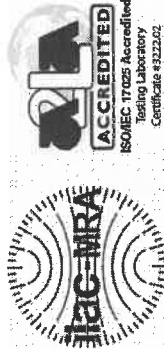
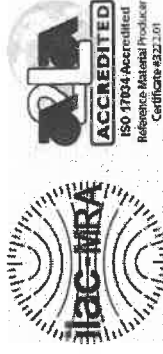
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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:

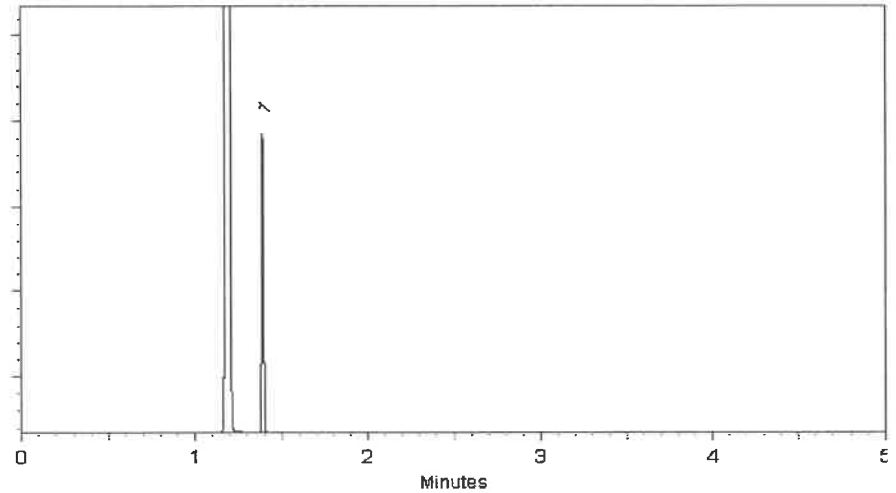
FID

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:

- 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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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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:

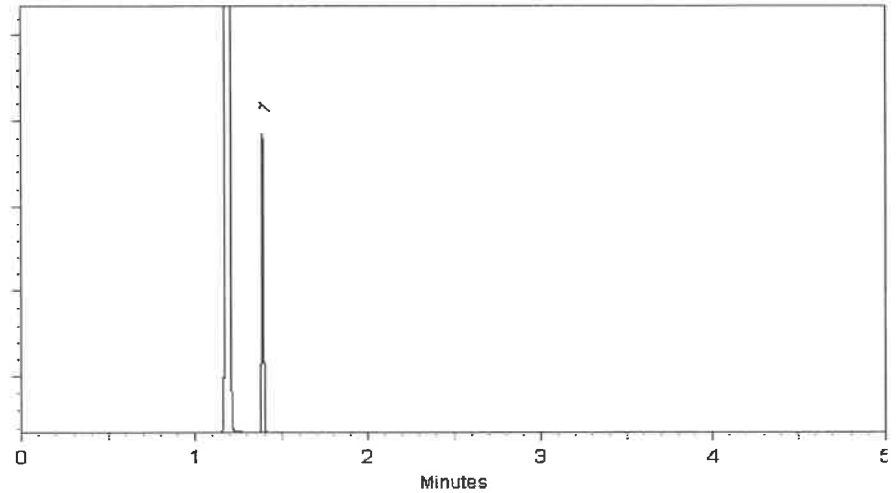
FID

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:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
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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.

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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:

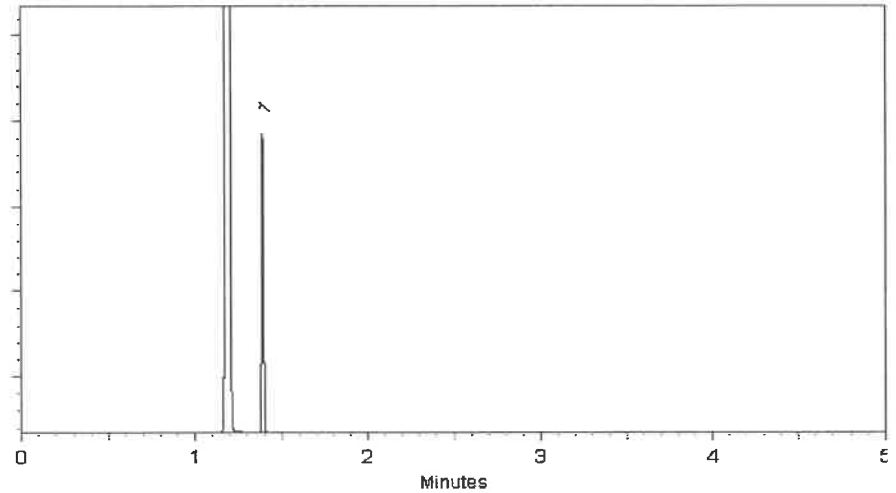
FID

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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

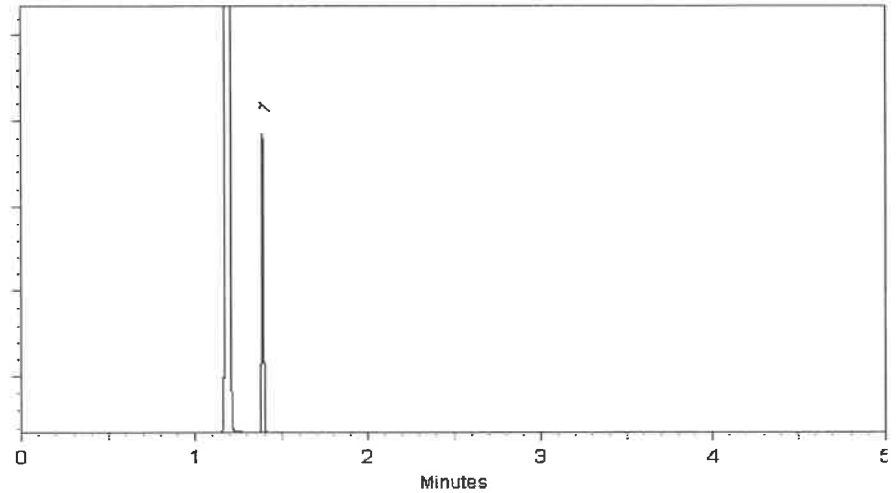
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
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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- 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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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:

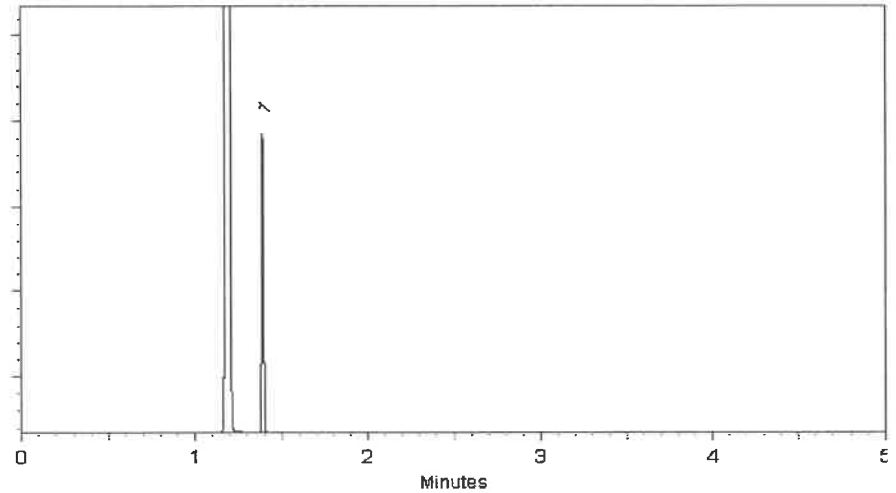
FID

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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- 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.



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-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

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*Not a certified value

Certified By: _____

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.



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
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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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
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

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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
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. : 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:

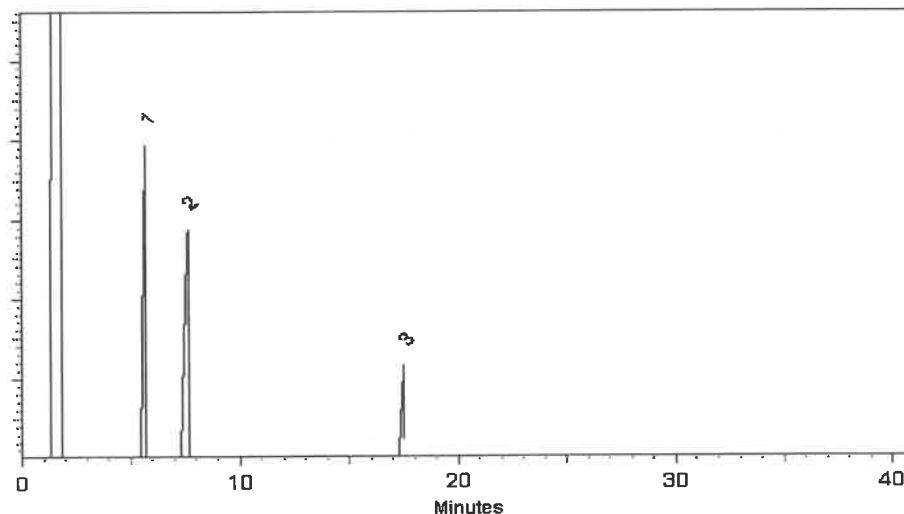
FID

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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Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
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512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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.

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Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

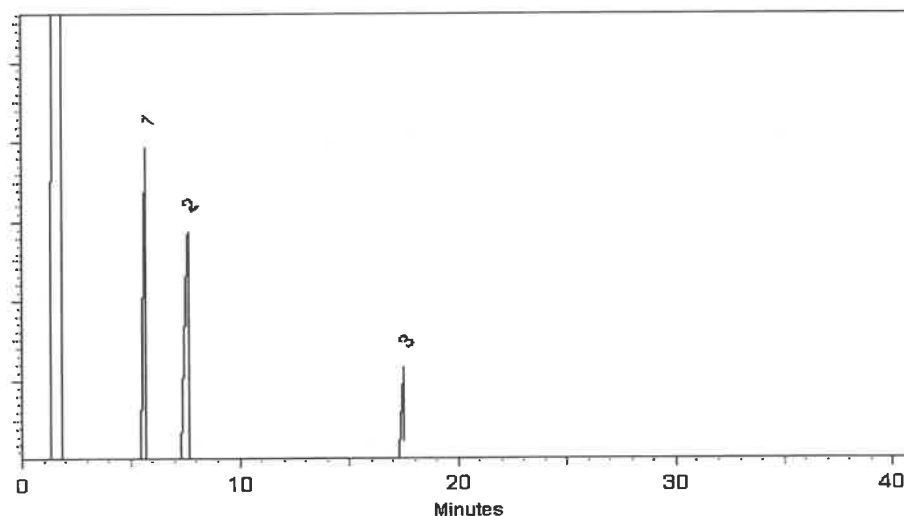
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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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:

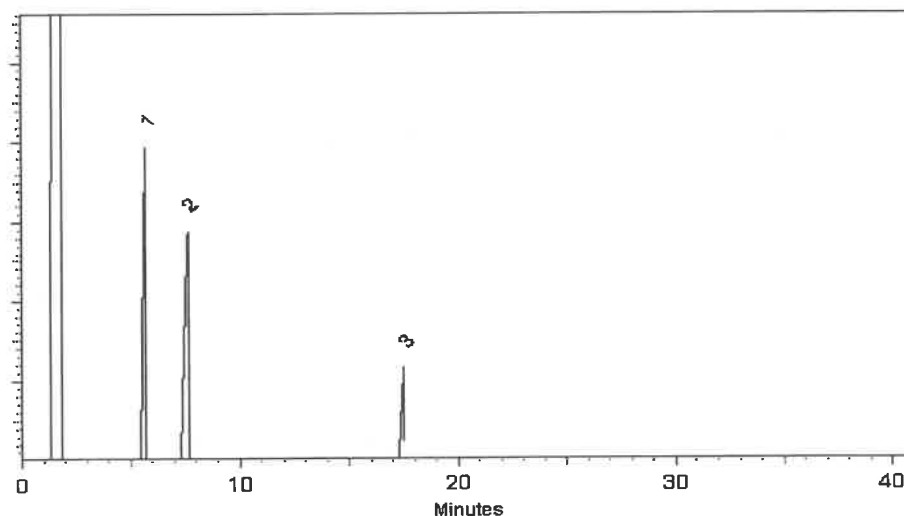
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Balance Serial # 1128360905

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Christie Mills - Operations Lead Tech - ARM QC

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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:

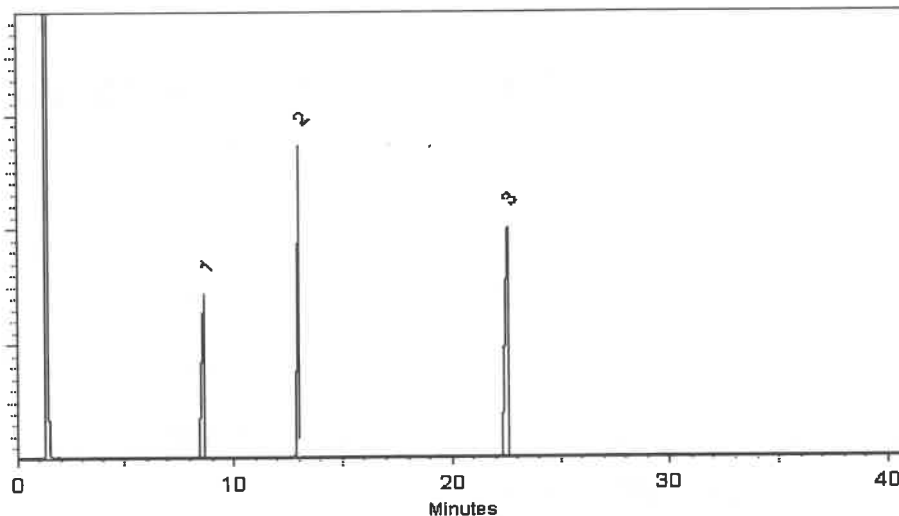
FID

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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Certificate #FM 80397



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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:

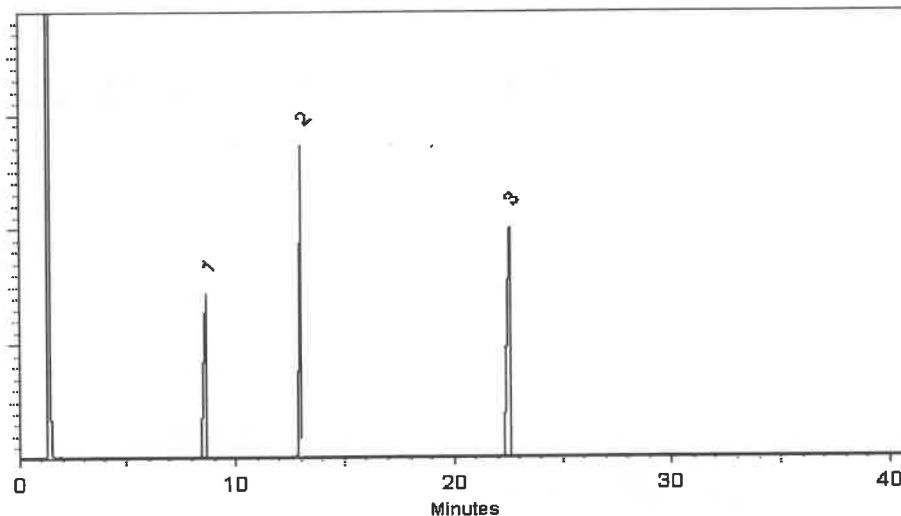
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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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 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

*Not a certified value

512270 } RC/
↓
512274 } 05/24/24

Kerry Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.

Certificate of Analysis

Page 2 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 3 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value



Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

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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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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.:** 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:

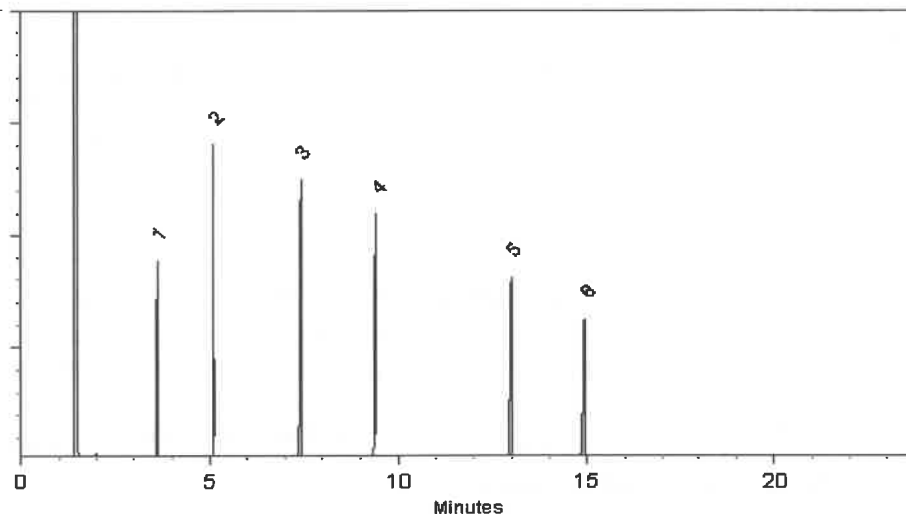
FID

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
Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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

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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/
↓
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/ μ ECD, 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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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
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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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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
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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

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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
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/
↓
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/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } 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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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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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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General Certified Reference Material Notes

Expiration Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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.
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Purity Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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
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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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.

Manufacturing Notes:

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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

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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- 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.



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. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



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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



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: _____

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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.



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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.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
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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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 4100
CITY Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Vafant
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: 03868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD 1AT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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. UVCs (82608)
2. SVOCs (82700)
3. TPH DMS (100817471A)
4. Metals (100817471A)
5. PCBs (80882)
6. Ignitability (1030)
7. Corrosivity (9040C)
8. TPH (9040)
9. SOI (80153)

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		A/E	F	E	B/E	E	E	E	E	E	
1.	IDW-AQ-MW-198-COMP-022825	AQ	X		2-28-25	1110	5		X	X	X	X	X	X	X		
2.	IDW-AQ-PRUM-610-022825	AQ		X	2-28-25	1115	3	X		X						X	
3.	IDW-AQ-IW-01-COMP-022825	AQ	X		2-28-25	1120	5		X	X	X	X	X	X	X		
4.	IDW-AQ-DRUM-616-022825	AQ		X	2-28-25	1125	3	X		X						X	
5.	IDW-AQ-IW-02-COMP-022825	AQ	X		2-28-25	1130	4		X	X	X	X	X	X	X		
6.	IDW-AQ-PRUM-614-022825	AQ		X	2-28-25	1135	3	X		X						X	
7.	IDW-AQ-IW-03-COMP-022825	AQ	X		2-28-25	1140	4	X	X	X	X	X	X	X	X		
8.	IDW-AQ-DRUM-612-022825	AQ		X	2-28-25	1145	3	X		X						X	
9.	IDW-SO-COMP-022825 (TA)	SO	X		2-28-25	1230	5	X	X	X	X	X	X	X	X		
10.	IDW-SO-PRUM-582-022825 (TA)	SO	X		2-28-25		1										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1720</u>	RECEIVED BY: <u>J. 2-28-2025</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>2.1°C</u>
1. <u>W. 2-28-25</u>		1. <u>1720</u>	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page 1 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kumble Ave Suite #100
CITY: Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Yafante
PHONE: (281)414-1719 FAX:

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT

1. TCLP SVOCs (1311/8220)
2. TCLP VOC (1311/8220)
3. TPH GAO (1311/8220)
4. TCLP Metals (1311/8220)
5. PCBs (8062)
6. Inorganic (1030)
7. Carcinogens (9060)
8. TPH D20 (8062)
9.

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

OF BOTTLES

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1.	IDW-SO-COMP-022825	SO	X	2-28-25	1230	5	~~X~~	~~X~~	~~X~~	~~X~~	X	X	X	X		
2.	IDW-SO-DRUM-582-022825	SO	X	2-28-25	1725	1		X	X							
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>W. B. B.</u>	DATE/TIME: <u>2-28-25 1420</u>	RECEIVED BY: <u>J. O. J.</u>	DATE/TIME: <u>2-28-25 1720</u>	Comments: <u>2.0 °C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.		
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.		

Page 2 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1478 JACO05

Order Date : 3/3/2025 10:28:22 AM

Project Mgr :

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger Site I

Report Type : Level 4

Client Contact : John Ynfante

Receive DateTime : 2/28/2025 5:20:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : John Ynfante

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1478-02	IDW-AQ-DRUM-610-022825	Water	02/28/2025	11:15	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1478-04	IDW-AQ-DRUM-616-022825	Water	02/28/2025	11:25	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1478-06	IDW-AQ-DRUM-614-022825	Water	02/28/2025	11:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1478-08	IDW-AQ-DRUM-612-022825	Water	02/28/2025	11:45	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time :

3-3-25 1200

Received By : 

Date / Time :

3/3/25 1200

Storage Area : VOA Refridgerator Room