

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: 3/7/2025



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: SVOC-TCL BNA -20

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-TCL VOA-10. This data package contains results for SVOC-TCL BNA -20.

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 SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PB166982BL [2,4,6-Tribromophenol - 115%], PB166982BS [2,4,6-Tribromophenol - 118%], PB166982BSD [2,4,6-Tribromophenol - 116%], IDW-AQ-IW-01-COMP-022825 [2,4,6-Tribromophenol - 124%], this compound did not meet the NJDKQP criteria but met the in-house criteria, IDW-AQ-MW-19B-COMP-022825 [2,4,6-Tribromophenol - 138%, Nitrobenzene-d5 - 139%], IDW-AQ-IW-02-COMP-022825 [2,4,6-Tribromophenol - 148%, Nitrobenzene-d5 - 141%], IDW-AQ-IW-03-COMP-022825 [2,4,6-Tribromophenol - 147% and Nitrobenzene-d5 - 144%], these compounds 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 RPD met criteria.

The Blank Spike for {PB166982BS} with File ID: BF141862.D met requirements for all samples except for 3,3-Dichlorobenzidine[57%], 3-Nitroaniline[67%] and 4-Chloroaniline[39%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .

The Blank Spike Duplicate for {PB166982BSD} with File ID: BF141863.D met requirements for all samples except for 3,3-Dichlorobenzidine[59%], 3-Nitroaniline[69%] and 4-Chloroaniline[40%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .

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-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression

The Continuous Calibration File ID BF141858.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, 4-Nitrophenol, Benzo(g,h,i)perylene 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

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

CHEMTECH PROJECT NUMBER: Q1478

MATRIX: Water

METHOD: 8270E/3510

	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-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression			
The Continuous Calibration File ID BF141858.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, 4-Nitrophenol, Benzo(g,h,i)perylene 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 PB166982BL [2,4,6-Tribromophenol - 115%], PB166982BS [2,4,6-Tribromophenol - 118%], PB166982BSD [2,4,6-Tribromophenol - 116%], IDW-AQ-IW-01-COMP-022825 [2,4,6-Tribromophenol - 124%], this compound did not meet the NJDKQP criteria but met the in-house criteria, IDW-AQ-MW-19B-COMP-022825 [2,4,6-Tribromophenol - 138%, Nitrobenzene-d5 - 139%], IDW-AQ-IW-02-COMP-022825 [2,4,6-Tribromophenol - 148%, Nitrobenzene-d5 - 141%], IDW-AQ-IW-03-COMP-022825 [2,4,6-Tribromophenol - 147% and Nitrobenzene-d5 - 144%], these compounds 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.			

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

(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 Blank Spike for {PB166982BS} with File ID: BF141862.D met requirements for all samples except for 3,3-Dichlorobenzidine[57%], 3-Nitroaniline[67%] and 4-Chloroaniline[39%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .			
	The Blank Spike Duplicate for {PB166982BSD} with File ID: BF141863.D met requirements for all samples except for 3,3-Dichlorobenzidine[59%], 3 Nitroaniline[69%] and 4-Chloroaniline[40%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .			
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: 03/07/2025

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	

Hit Summary Sheet SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	IDW-AQ-MW-19B-COMP-022825						
Q1478-01	IDW-AQ-MW-19B-COM WATER	1,3-Dioxolane, 2,2,4-trimethyl-	*	30.000	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	1-Docosene	*	3.600	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	2-Pentanone, 4-hydroxy-4-methyl	*	4.600	A 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	6-Octadecenoic acid, (Z)-	*	4.800	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Benzophenone	*	6.500	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Butane, 2-methoxy-2-methyl-	*	130.000	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Ethanol, 2-(2-butoxyethoxy)-	*	5.900	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	n-Hexadecanoic acid	*	15.900	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Octadecanoic acid	*	5.700	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Propylene Glycol	*	100.000	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Supraene	*	3.700	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Tetrachloroethylene	*	57.200	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Tri(2-chloroethyl) phosphate	*	13.900	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	Trichloroethylene	*	360.000	J 0	0	ug/L
Q1478-01	IDW-AQ-MW-19B-COM WATER	unknown6.439	*	4.400	J 0	0	ug/L

Total Tics :

746.20

Total Concentration:

746.20

Client ID : IDW-AQ-IW-01-COMP-022825

Q1478-03	IDW-AQ-IW-01-COMP-WATER	Benzoic acid, 4-methyl-	*	2.300	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Benzoic acid, p-tert-butyl-	*	63.000	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Butane, 2-methoxy-2-methyl-	*	130.000	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	cis-Vaccenic acid	*	3.800	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Cyclohexanone	*	4.000	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Ethanol, 2-(2-butoxyethoxy)-	*	7.100	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Heptanoic acid	*	2.300	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Hexanoic acid, 2-ethyl-	*	79.500	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	n-Hexadecanoic acid	*	5.300	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Nonadecane	*	3.800	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Nonanoic acid	*	4.400	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Octadecanoic acid	*	2.300	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Propylene Glycol	*	170.000	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Tetracosane	*	28.800	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Tri(2-chloroethyl) phosphate	*	2.900	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Trichloroethylene	*	38.400	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	unknown6.445	*	5.400	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	1,3-Dioxolane, 2,2,4-trimethyl-	*	14.400	J 0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	1H-Benzotriazole, 4-methyl-	*	2.600	J 0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q1478
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Q1478-03	IDW-AQ-IW-01-COMP-WATER	2-Pentanone, 4-hydroxy-4-methyl *	2.300	A	0	0	ug/L
Q1478-03	IDW-AQ-IW-01-COMP-WATER	Benzoic acid *	21.000	J	5.7	10.4	ug/L
Total Tics :			593.60				
Total Concentration:			593.60				
Client ID : IDW-AQ-IW-02-COMP-022825							
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Octadecanoic acid *	3.400	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Propylene Glycol *	4.000	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Supraene *	2.400	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Tri(2-chloroethyl) phosphate *	9.700	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Trichloroethylene *	34.200	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	2-Pentanone, 4-hydroxy-4-methyl *	7.100	A	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Benzophenone *	5.100	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Butane, 2-methoxy-2-methyl- *	140.000	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	Ethanol, 2-(2-butoxyethoxy)- *	3.700	J	0	0	ug/L
Q1478-05	IDW-AQ-IW-02-COMP-WATER	n-Hexadecanoic acid *	8.200	J	0	0	ug/L
Total Tics :			217.80				
Total Concentration:			217.80				
Client ID : IDW-AQ-IW-03-COMP-022825							
Q1478-07	IDW-AQ-IW-03-COMP-WATER	(6Z,9Z)-Pentadecadienal *	31.700	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	2,4-Decadienal *	11.400	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	2-Hexyne, 4-methyl- *	15.900	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	9,12-Octadecadienoic acid, methyl ester *	750.000	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Butane, 2-methoxy-2-methyl- *	110.000	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	cis-13-Eicosenoic acid, methyl ester *	16.800	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Docosanoic acid, methyl ester *	15.800	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Hexadecanoic acid, methyl ester *	350.000	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Hexanal *	12.200	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Methyl 18-methylnonadecanoate *	34.900	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Methyl stearate *	210.000	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Nonanoic acid, 9-oxo-, methyl ester *	37.200	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Tri(2-chloroethyl) phosphate *	19.300	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	Trichloroethylene *	26.300	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	unknown13.163 *	9.600	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	unknown13.374 *	10.000	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	unknown13.645 *	12.100	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	unknown13.674 *	10.600	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	unknown13.739 *	20.200	J	0	0	ug/L
Q1478-07	IDW-AQ-IW-03-COMP-WATER	unknown13.839 *	9.100	J	0	0	ug/L
Total Tics :			1,713.10				



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1478
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Concentration:		1,713.10			



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
PB166982BL	PB166982BL	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	123	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.9	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	87.1	87		30 (48)	130 (125)
PB166982BS	PB166982BS	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	177	118	*	15 (44)	110 (137)
		Terphenyl-d14	100	99.9	100		30 (48)	130 (125)
PB166982BSD	PB166982BSD	2-Fluorophenol	150	128	85		15 (10)	110 (139)
		Phenol-d6	150	122	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.0	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	174	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	95.1	95		30 (48)	130 (125)
Q1478-01	IDW-AQ-MW-19B-COMP-022825	2-Fluorophenol	150	80.2	53		15 (10)	110 (139)
		Phenol-d6	150	48.3	32		15 (10)	110 (134)
		Nitrobenzene-d5	100	139	139	*	30 (49)	130 (133)
		2-Fluorobiphenyl	100	117	117		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	206	138	*	15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)
Q1478-03	IDW-AQ-IW-01-COMP-022825	2-Fluorophenol	150	77.8	52		15 (10)	110 (139)
		Phenol-d6	150	47.8	32		15 (10)	110 (134)
		Nitrobenzene-d5	100	123	123		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	186	124	*	15 (44)	110 (137)
		Terphenyl-d14	100	89.6	90		30 (48)	130 (125)
Q1478-05	IDW-AQ-IW-02-COMP-022825	2-Fluorophenol	150	75.9	51		15 (10)	110 (139)
		Phenol-d6	150	44.8	30		15 (10)	110 (134)
		Nitrobenzene-d5	100	141	141	*	30 (49)	130 (133)
		2-Fluorobiphenyl	100	120	120		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	222	148	*	15 (44)	110 (137)
		Terphenyl-d14	100	109	109		30 (48)	130 (125)
Q1478-07	IDW-AQ-IW-03-COMP-022825	2-Fluorophenol	150	77.9	52		15 (10)	110 (139)
		Phenol-d6	150	47.7	32		15 (10)	110 (134)
		Nitrobenzene-d5	100	144	144	*	30 (49)	130 (133)
		2-Fluorobiphenyl	100	124	124		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	220	147	*	15 (44)	110 (137)
		Terphenyl-d14	100	112	112		30 (48)	130 (125)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF141862.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB166982BS	Benzaldehyde	50	23.3	ug/L	47				20 (10)	160 (162)	
	Phenol	50	42.4	ug/L	85				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	41.9	ug/L	84				70 (62)	130 (103)	
	2-Chlorophenol	50	45.4	ug/L	91				70 (70)	130 (117)	
	2-Methylphenol	50	44.3	ug/L	89				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	36.4	ug/L	73				70 (65)	130 (100)	
	Acetophenone	50	47.1	ug/L	94				70 (60)	130 (104)	
	3+4-Methylphenols	50	43.7	ug/L	87				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	39.7	ug/L	79				70 (57)	130 (107)	
	Hexachloroethane	50	44.5	ug/L	89				20 (76)	160 (118)	
	Nitrobenzene	50	48.9	ug/L	98				70 (58)	130 (106)	
	Isophorone	50	43.6	ug/L	87				70 (61)	130 (102)	
	2-Nitrophenol	50	53.1	ug/L	106				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	54.9	ug/L	110				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	41.2	ug/L	82				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	44.9	ug/L	90				70 (66)	130 (115)	
	Naphthalene	50	43.2	ug/L	86				70 (64)	130 (107)	
	4-Chloroaniline	50	19.7	ug/L	39		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	46.6	ug/L	93				70 (69)	130 (101)	
	Caprolactam	50	52.3	ug/L	105				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.3	ug/L	89				70 (65)	130 (114)	
	2-Methylnaphthalene	50	41.8	ug/L	84				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	160	ug/L	160				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	47.0	ug/L	94				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.6	ug/L	97				70 (70)	130 (106)	
	1,1-Biphenyl	50	47.9	ug/L	96				70 (72)	130 (98)	
	2-Chloronaphthalene	50	44.4	ug/L	89				70 (59)	130 (106)	
	2-Nitroaniline	50	51.2	ug/L	102				70 (73)	130 (114)	
	Dimethylphthalate	50	44.8	ug/L	90				70 (64)	130 (103)	
	Acenaphthylene	50	46.8	ug/L	94				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	51.2	ug/L	102				70 (64)	130 (110)	
	3-Nitroaniline	50	33.7	ug/L	67		*		70 (28)	130 (100)	
	Acenaphthene	50	51.2	ug/L	102				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	120	ug/L	120				20 (36)	160 (166)	
	4-Nitrophenol	100	120	ug/L	120				20 (45)	160 (147)	
	Dibenzofuran	50	42.9	ug/L	86				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	57.4	ug/L	115				70 (60)	130 (115)	
	Diethylphthalate	50	43.7	ug/L	87				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	44.9	ug/L	90				70 (61)	130 (104)	
	Fluorene	50	44.9	ug/L	90				70 (64)	130 (107)	
	4-Nitroaniline	50	61.3	ug/L	123				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	59.9	ug/L	120				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.6	ug/L	87				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	44.4	ug/L	89				70 (73)	130 (103)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF141862.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166982BS	Hexachlorobenzene	50	47.3	ug/L	95				70 (73)	130 (106)		
	Atrazine	50	64.1	ug/L	128				70 (76)	130 (120)		
	Pentachlorophenol	100	97.7	ug/L	98				20 (47)	160 (114)		
	Phenanthrene	50	45.5	ug/L	91				70 (62)	130 (109)		
	Anthracene	50	45.8	ug/L	92				70 (65)	130 (110)		
	Carbazole	50	45.6	ug/L	91				70 (62)	130 (106)		
	Di-n-butylphthalate	50	43.1	ug/L	86				70 (64)	130 (106)		
	Fluoranthene	50	46.5	ug/L	93				70 (64)	130 (110)		
	Pyrene	50	44.0	ug/L	88				70 (71)	130 (103)		
	Butylbenzylphthalate	50	46.5	ug/L	93				70 (61)	130 (105)		
	3,3-Dichlorobenzidine	50	28.5	ug/L	57		*		70 (43)	130 (108)		
	Benzo(a)anthracene	50	45.6	ug/L	91				70 (62)	130 (107)		
	Chrysene	50	45.0	ug/L	90				70 (61)	130 (108)		
	bis(2-Ethylhexyl)phthalate	50	46.6	ug/L	93				70 (59)	130 (110)		
	Di-n-octyl phthalate	50	45.1	ug/L	90				70 (52)	130 (139)		
	Benzo(b)fluoranthene	50	45.0	ug/L	90				70 (77)	130 (113)		
	Benzo(k)fluoranthene	50	44.4	ug/L	89				70 (77)	130 (105)		
	Benzo(a)pyrene	50	48.1	ug/L	96				70 (72)	130 (131)		
	Indeno(1,2,3-cd)pyrene	50	50.9	ug/L	102				70 (72)	130 (105)		
	Dibenz(a,h)anthracene	50	49.9	ug/L	100				70 (78)	130 (115)		
	Benzo(g,h,i)perylene	50	47.7	ug/L	95				70 (75)	130 (118)		
	1,2,4,5-Tetrachlorobenzene	50	48.9	ug/L	98				70 (72)	130 (101)		
	1,4-Dioxane	50	39.6	ug/L	79				20 (38)	160 (125)		
	2,3,4,6-Tetrachlorophenol	50	48.4	ug/L	97				70 (63)	130 (116)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF141863.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB166982BSD	Benzaldehyde	50	23.1	ug/L	46	1			20 (10)	160 (162)	20 (20)
	Phenol	50	41.6	ug/L	83	2			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	41.1	ug/L	82	2			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	44.8	ug/L	90	1			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	43.2	ug/L	86	3			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	35.1	ug/L	70	4			70 (65)	130 (100)	20 (20)
	Acetophenone	50	46.8	ug/L	94	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	42.8	ug/L	86	2			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	38.5	ug/L	77	3			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	44.7	ug/L	89	0			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	48.5	ug/L	97	1			70 (58)	130 (106)	20 (20)
	Isophorone	50	43.1	ug/L	86	1			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	53.4	ug/L	107	1			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	53.9	ug/L	108	2			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	40.1	ug/L	80	3			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	44.6	ug/L	89	1			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.1	ug/L	86	0			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	20.1	ug/L	40	2	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	46.6	ug/L	93	0			70 (69)	130 (101)	20 (20)
	Caprolactam	50	50.5	ug/L	101	4			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	43.9	ug/L	88	1			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	41.2	ug/L	82	1			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	160	ug/L	160	0			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	47.0	ug/L	94	0			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	48.8	ug/L	98	0			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	48.0	ug/L	96	0			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	44.3	ug/L	89	0			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	51.4	ug/L	103	0			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	44.6	ug/L	89	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	46.3	ug/L	93	1			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	51.6	ug/L	103	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	34.7	ug/L	69	3	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	51.0	ug/L	102	0			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	120	ug/L	120	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	120	ug/L	120	0			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	42.4	ug/L	85	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	57.5	ug/L	115	0			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	43.2	ug/L	86	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	44.2	ug/L	88	2			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.5	ug/L	89	1			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	61.0	ug/L	122	0			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	59.5	ug/L	119	1			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	43.0	ug/L	86	1			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	43.4	ug/L	87	2			70 (73)	130 (103)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF141863.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB166982BSD	Hexachlorobenzene	50	46.8	ug/L	94	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	63.7	ug/L	127	1			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	97.3	ug/L	97	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.5	ug/L	91	0			70 (62)	130 (109)	20 (20)
	Anthracene	50	46.1	ug/L	92	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.4	ug/L	93	2			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	42.7	ug/L	85	1			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	47.4	ug/L	95	2			70 (64)	130 (110)	20 (20)
	Pyrene	50	42.3	ug/L	85	4			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	45.7	ug/L	91	2			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	29.7	ug/L	59	4	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	44.6	ug/L	89	2			70 (62)	130 (107)	20 (20)
	Chrysene	50	44.7	ug/L	89	1			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	46.9	ug/L	94	1			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	45.8	ug/L	92	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	44.0	ug/L	88	2			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	45.2	ug/L	90	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	47.5	ug/L	95	1			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	45.3	ug/L	91	12			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	45.0	ug/L	90	10			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	41.8	ug/L	84	13			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	49.2	ug/L	98	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	39.6	ug/L	79	0			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	48.7	ug/L	97	1			70 (63)	130 (116)	20 (20)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166982BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q1478

SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: BF141861.D

Lab Sample ID: PB166982BL

Instrument ID: BNA_F

Date Extracted: 03/05/2025

Matrix: (soil/water) Water

Date Analyzed: 03/06/2025

Level: (low/med) LOW

Time Analyzed: 11:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166982BS	PB166982BS	BF141862.D	03/06/2025
PB166982BSD	PB166982BSD	BF141863.D	03/06/2025
IDW-AQ-MW-19B-COMP-022825	Q1478-01	BF141867.D	03/06/2025
IDW-AQ-IW-02-COMP-022825	Q1478-05	BF141869.D	03/06/2025
IDW-AQ-IW-01-COMP-022825	Q1478-03	BF141872.D	03/06/2025
IDW-AQ-IW-03-COMP-022825	Q1478-07	BF141868.D	03/06/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: 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	93.2
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



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q1478 SDG NO.: Q1478Lab File ID: BF141857.DDFTPP Injection Date: 03/06/2025Instrument ID: BNA_FDFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	46.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	94.6
443	15.0 - 24.0% of mass 442	18.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141858.D	03/06/2025	09:52
PB166982BL	PB166982BL	BF141861.D	03/06/2025	11:21
PB166982BS	PB166982BS	BF141862.D	03/06/2025	11:51
PB166982BSD	PB166982BSD	BF141863.D	03/06/2025	12:21
IDW-AQ-MW-19B-COMP-022825	Q1478-01	BF141867.D	03/06/2025	14:31
IDW-AQ-IW-03-COMP-022825	Q1478-07	BF141868.D	03/06/2025	15:01
IDW-AQ-IW-02-COMP-022825	Q1478-05	BF141869.D	03/06/2025	15:30
IDW-AQ-IW-01-COMP-022825	Q1478-03	BF141872.D	03/06/2025	16:59

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: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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	207866	6.887	779725	8.17	422269	9.92
UPPER LIMIT	415732	7.387	1559450	8.669	844538	10.422
LOWER LIMIT	103933	6.387	389863	7.669	211135	9.422
EPA SAMPLE NO.						
01 PB166982BL	212037	6.89	840031	8.16	466101	9.92
02 PB166982BS	210095	6.89	832298	8.16	456822	9.92
03 PB166982BSD	218542	6.89	850562	8.17	458462	9.92
04 IDW-AQ-MW-19B-COMP-022825	141755	6.89	556386	8.16	300663	9.92
05 IDW-AQ-IW-01-COMP-022825	148756	6.89	590022	8.16	323461	9.92
06 IDW-AQ-IW-02-COMP-022825	149239	6.89	572947	8.16	305084	9.92
07 IDW-AQ-IW-03-COMP-022825	147709	6.89	566941	8.16	303926	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: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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	691934	11.404	434521	14.045	382575	15.515
UPPER LIMIT	1383870	11.904	869042	14.545	765150	16.015
LOWER LIMIT	345967	10.904	217261	13.545	191288	15.015
EPA SAMPLE NO.						
01 PB166982BL	808511	11.40	646602	14.04	495069	15.51
02 PB166982BS	789268	11.40	533191	14.05	432459	15.51
03 PB166982BSD	790298	11.40	569230	14.05	468514	15.52
04 IDW-AQ-MW-19B-COMP-022825	513707	11.40	390038	14.03	388809	15.51
05 IDW-AQ-IW-01-COMP-022825	547761	11.40	434019	14.04	452777	15.51
06 IDW-AQ-IW-02-COMP-022825	525653	11.40	408038	14.04	419358	15.51
07 IDW-AQ-IW-03-COMP-022825	506428	11.40	396116	14.04	368667	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:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-MW-19B-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141867.D	1	03/05/25 08:35	03/06/25 14:31	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.3	ug/L
108-95-2	Phenol	0.96	U	0.96	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.20	ug/L
95-57-8	2-Chlorophenol	0.73	U	0.73	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.20	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.20	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
78-59-1	Isophorone	1.20	U	1.20	5.20	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.20	ug/L
105-67-9	2,4-Dimethylphenol	1.60	U	1.60	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.10	U	1.10	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.91	U	0.91	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
106-47-8	4-Chloroaniline	1.30	UQ	1.30	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	0.87	U	0.87	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	5.20	U	5.20	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	0.92	U	0.92	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.20	ug/L
92-52-4	1,1-Biphenyl	0.94	U	0.94	5.20	ug/L
91-58-7	2-Chloronaphthalene	1.00	U	1.00	5.20	ug/L
88-74-4	2-Nitroaniline	1.50	U	1.50	5.20	ug/L
131-11-3	Dimethylphthalate	0.96	U	0.96	5.20	ug/L

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-AQ-MW-19B-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141867.D	1	03/05/25 08:35	03/06/25 14:31	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.60	U	6.60	10.3	ug/L
100-02-7	4-Nitrophenol	2.10	U	2.10	10.3	ug/L
132-64-9	Dibenzofuran	0.96	U	0.96	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
84-66-2	Diethylphthalate	1.10	U	1.10	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1.00	5.20	ug/L
86-73-7	Fluorene	0.99	U	0.99	5.20	ug/L
100-01-6	4-Nitroaniline	2.10	U	2.10	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.20	U	3.20	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	0.92	U	0.92	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.98	U	0.98	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.3	ug/L
85-01-8	Phenanthrene	0.92	U	0.92	5.20	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.20	U	2.20	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.97	U	0.97	5.20	ug/L
218-01-9	Chrysene	0.89	U	0.89	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.60	U	2.60	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L

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-AQ-MW-19B-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141867.D	1	03/05/25 08:35	03/06/25 14:31	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	5.20	ug/L

SURROGATES

367-12-4	2-Fluorophenol	80.2		15 (10) - 110 (139)	53%	SPK: 150
13127-88-3	Phenol-d6	48.3		15 (10) - 110 (134)	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	139	*	30 (49) - 130 (133)	139%	SPK: 100
321-60-8	2-Fluorobiphenyl	117		30 (52) - 130 (132)	117%	SPK: 100
118-79-6	2,4,6-Tribromophenol	206	*	15 (44) - 110 (137)	138%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	142000	6.886
1146-65-2	Naphthalene-d8	556000	8.163
15067-26-2	Acenaphthene-d10	301000	9.916
1517-22-2	Phenanthrene-d10	514000	11.398
1719-03-5	Chrysene-d12	390000	14.033
1520-96-3	Perylene-d12	389000	15.509

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	130	J	2.16	ug/L
000079-01-6	Trichloroethylene	360	J	2.55	ug/L
001193-11-9	1,3-Dioxolane, 2,2,4-trimethyl-	30.0	J	3.01	ug/L
000057-55-6	Propylene Glycol	100	J	3.53	ug/L
000127-18-4	Tetrachloroethylene	57.2	J	4.63	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.60	A	5.10	ug/L
	unknown6.439	4.40	J	6.44	ug/L

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-AQ-MW-19B-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141867.D	1	03/05/25 08:35	03/06/25 14:31	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	5.90	J		8.06	ug/L
000119-61-9	Benzophenone	6.50	J		10.6	ug/L
000115-96-8	Tri(2-chloroethyl) phosphate	13.9	J		11.1	ug/L
000057-10-3	n-Hexadecanoic acid	15.9	J		11.9	ug/L
000593-39-5	6-Octadecenoic acid, (Z)-	4.80	J		12.6	ug/L
000057-11-4	Octadecanoic acid	5.70	J		12.7	ug/L
001599-67-3	1-Docosene	3.60	J		13.9	ug/L
007683-64-9	Supraene	3.70	J		14.9	ug/L

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\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

Quant Time: Mar 06 15:56:51 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	141755	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	556386	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	300663	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	513707	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	390038	20.000	ng	-0.02
86) Perylene-d12	15.509	264	388809	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	711569	80.164	ng	0.00
7) Phenol-d6	6.498	99	558133	48.309	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1206427	138.600	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	582616	206.405	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2195041	117.062	ng	0.00
79) Terphenyl-d14	12.986	244	2591383	107.493	ng	-0.01

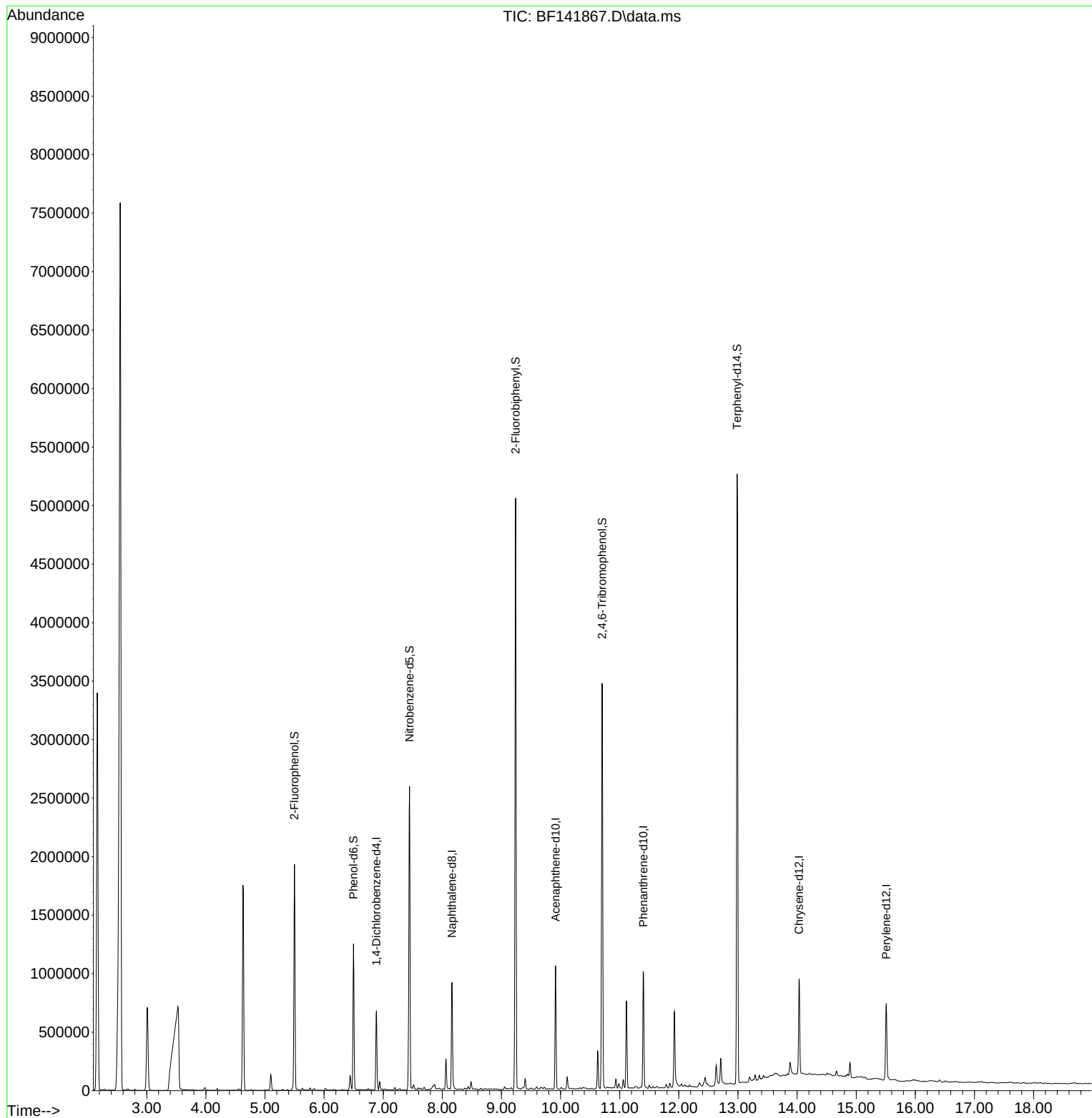
Target Compounds	Qvalue

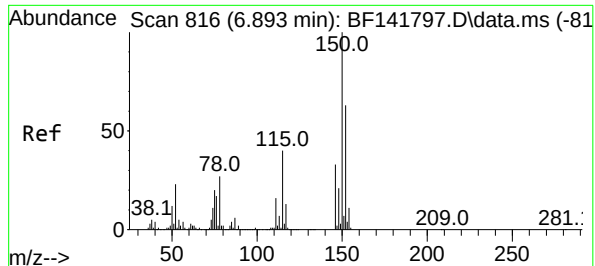
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

Quant Time: Mar 06 15:56:51 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

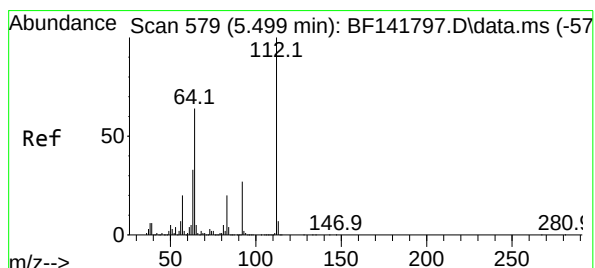
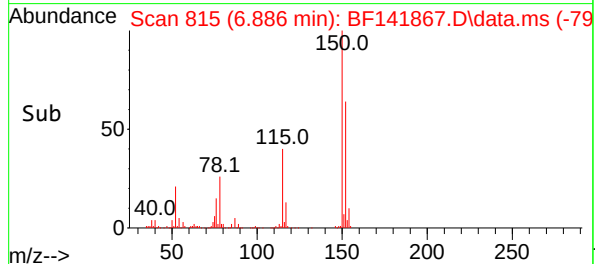
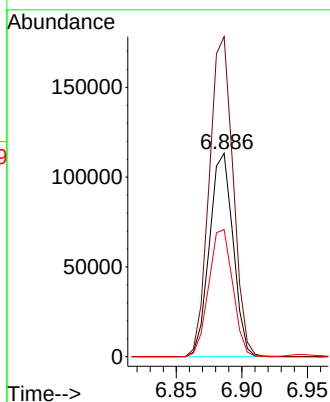
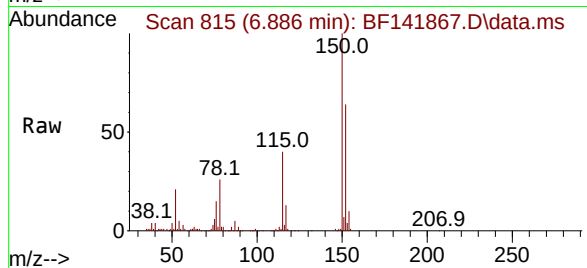




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

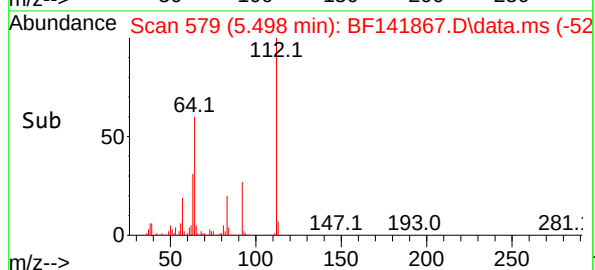
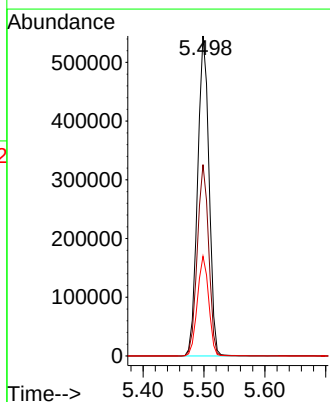
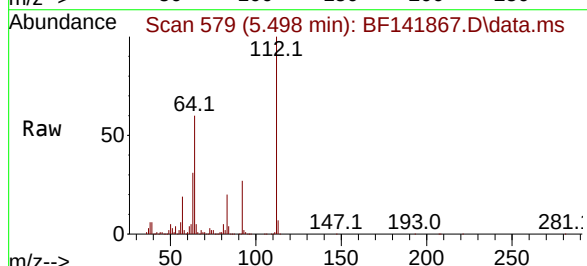
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

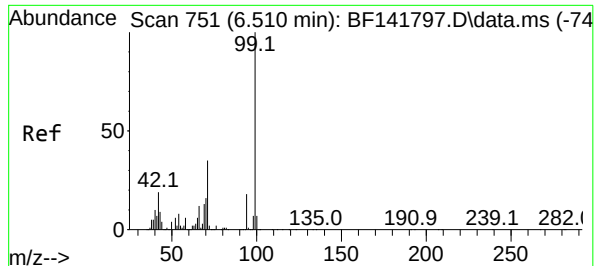
Tgt Ion:152 Resp: 141755
Ion Ratio Lower Upper
152 100
150 157.4 127.5 191.3
115 62.5 51.4 77.2



#5
2-Fluorophenol
Concen: 80.164 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion:112 Resp: 711569
Ion Ratio Lower Upper
112 100
64 59.8 51.3 76.9
63 31.1 26.2 39.4

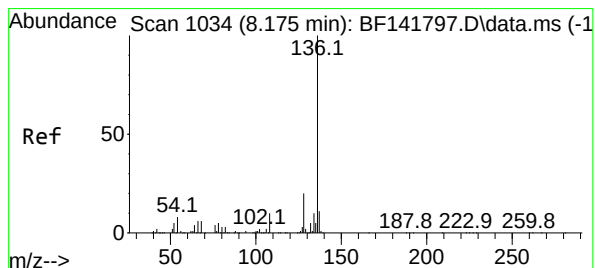
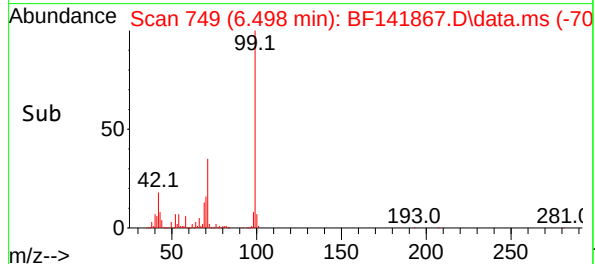
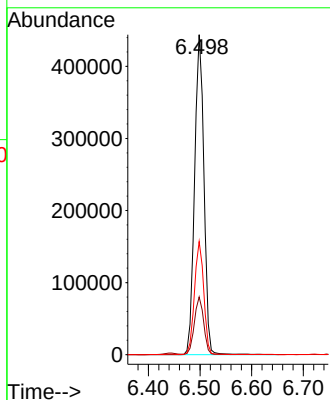
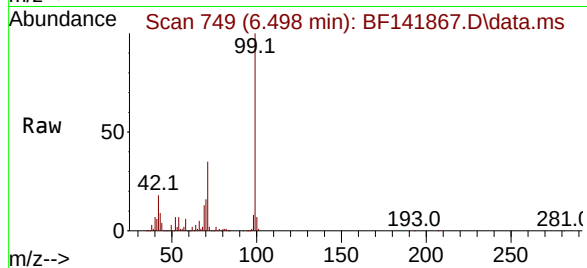




#7
Phenol-d6
Concen: 48.309 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

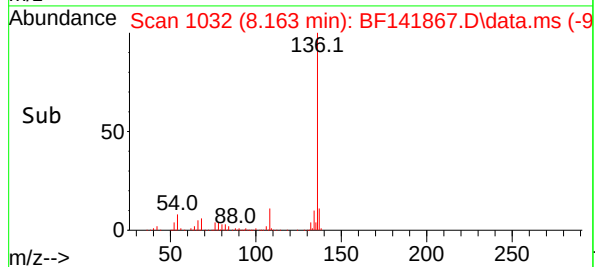
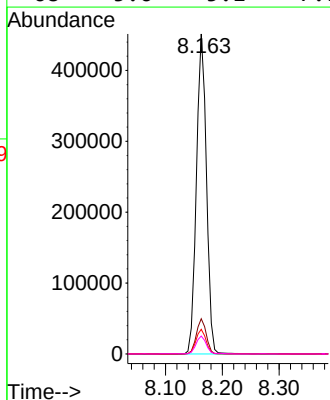
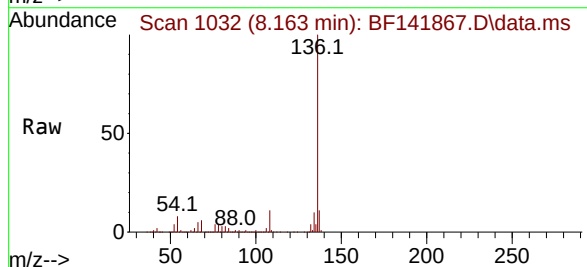
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

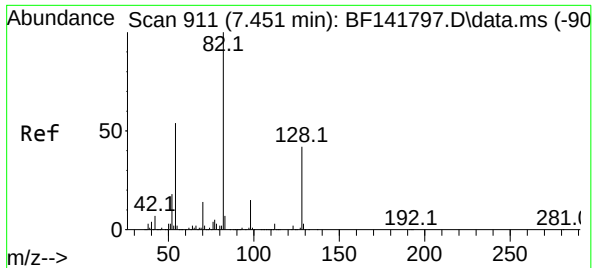
Tgt Ion: 99 Resp: 558133
Ion Ratio Lower Upper
99 100
42 18.0 15.2 22.8
71 35.3 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion: 136 Resp: 556386
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 6.9 10.3
68 5.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 138.600 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

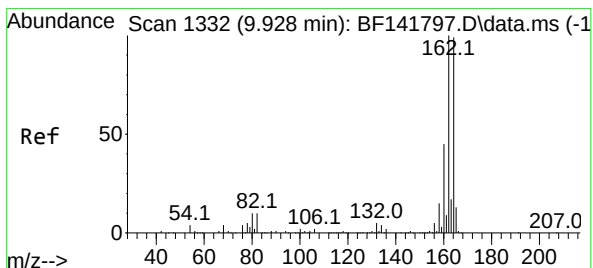
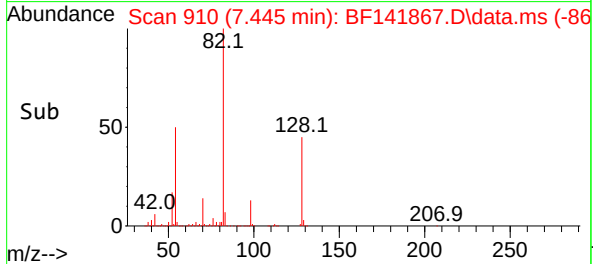
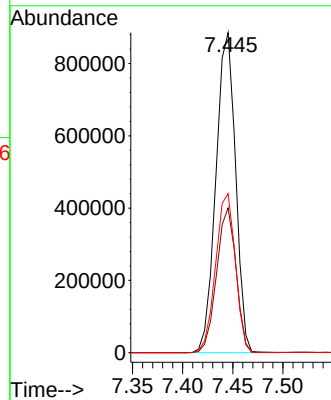
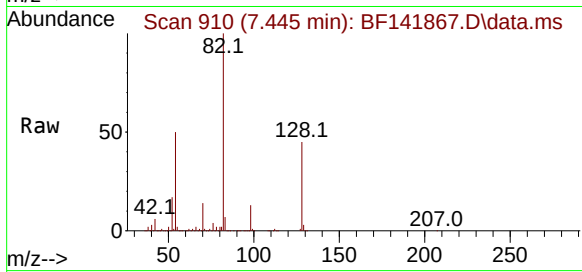
BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

Tgt Ion: 82 Resp: 1206427

Ion	Ratio	Lower	Upper
82	100		
128	45.2	33.5	50.3
54	49.7	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

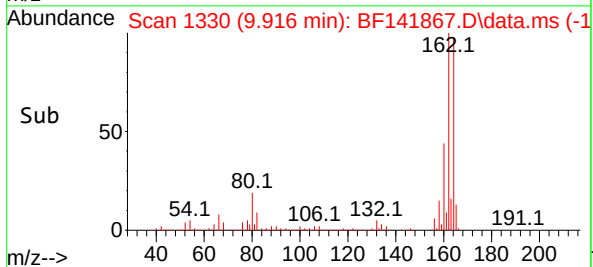
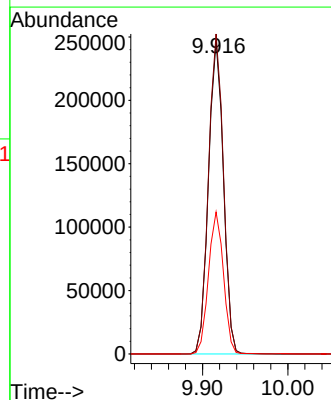
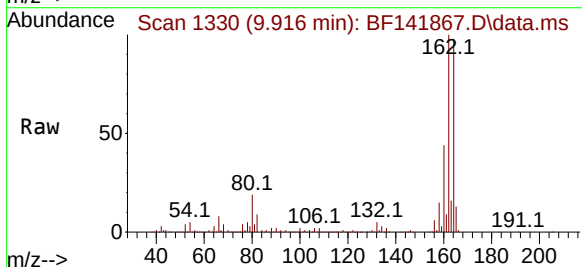
Delta R.T. -0.012 min

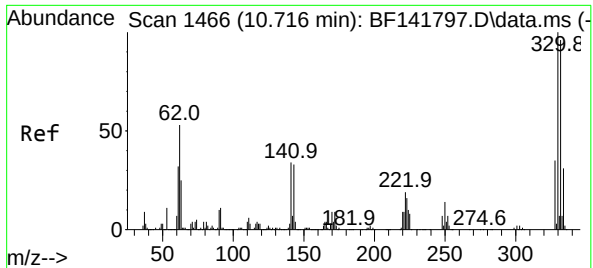
Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Tgt Ion: 164 Resp: 300663

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	45.4	36.3	54.5

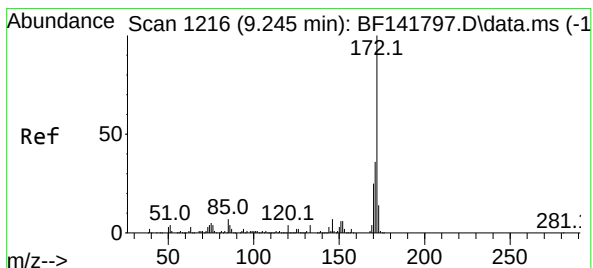
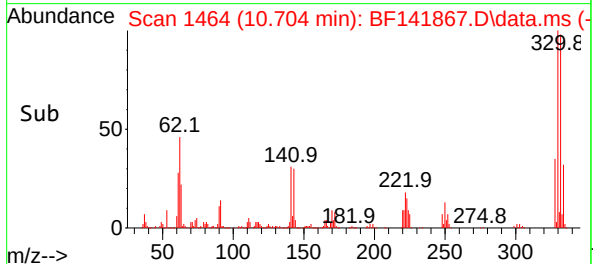
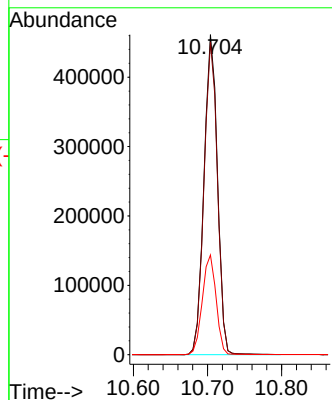
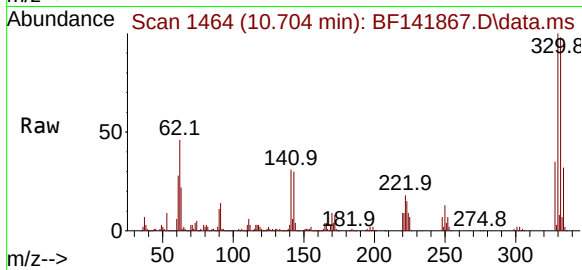




#42
2,4,6-Tribromophenol
Concen: 206.405 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

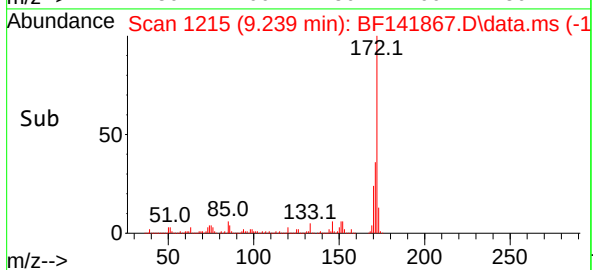
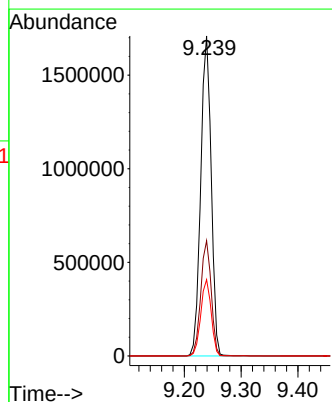
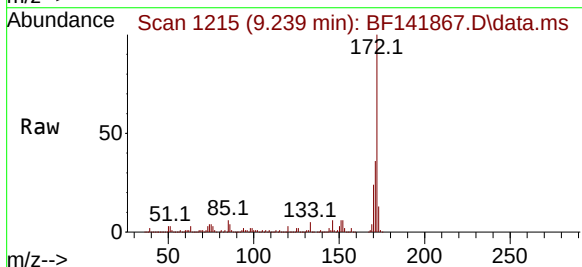
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

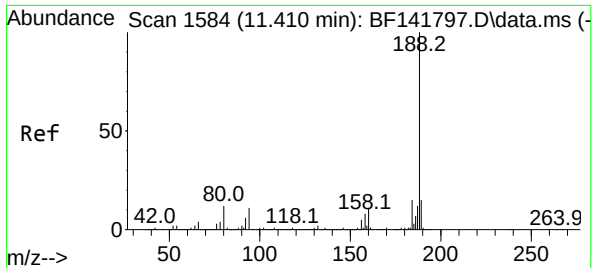
Tgt Ion:330 Resp: 582616
Ion Ratio Lower Upper
330 100
332 97.7 76.6 115.0
141 31.9 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 117.062 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion:172 Resp: 2195041
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 23.9 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

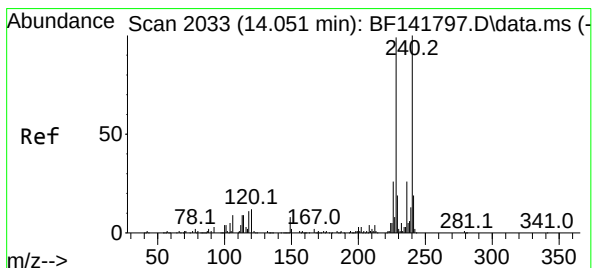
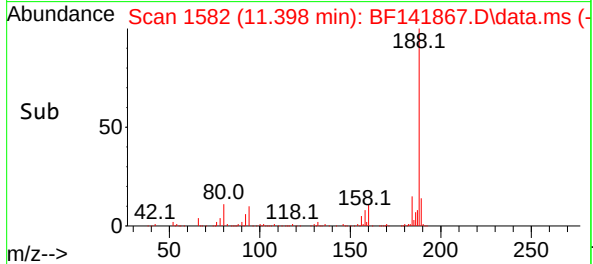
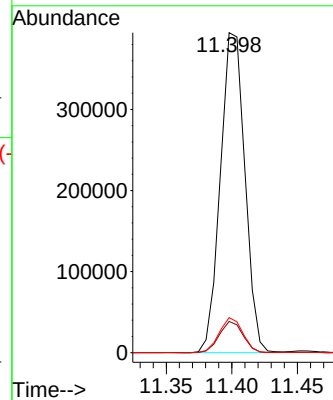
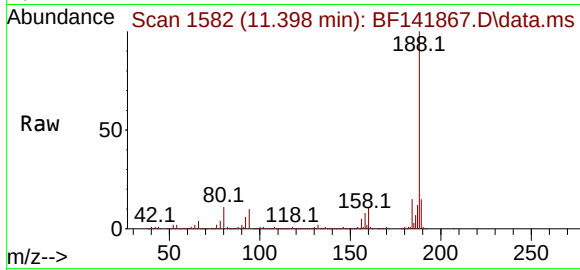
Tgt Ion:188 Resp: 513707

Ion Ratio Lower Upper

188 100

94 9.7 8.9 13.3

80 10.9 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

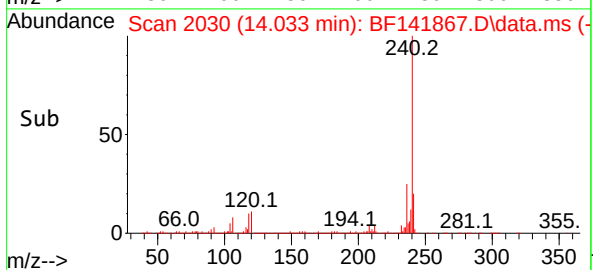
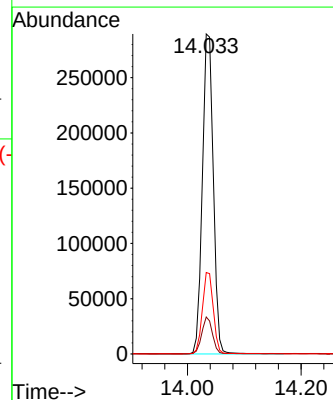
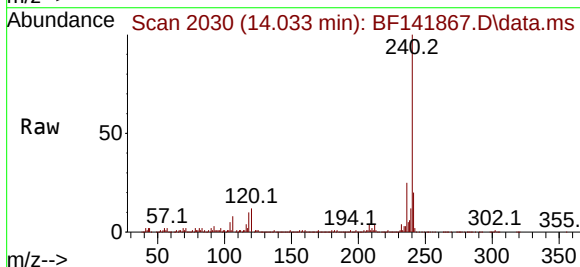
Tgt Ion:240 Resp: 390038

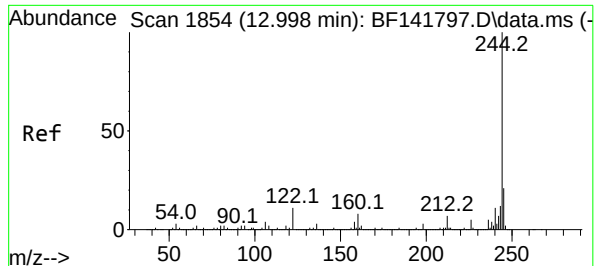
Ion Ratio Lower Upper

240 100

120 11.6 9.7 14.5

236 25.4 21.0 31.4





#79

Terphenyl-d14

Concen: 107.493 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

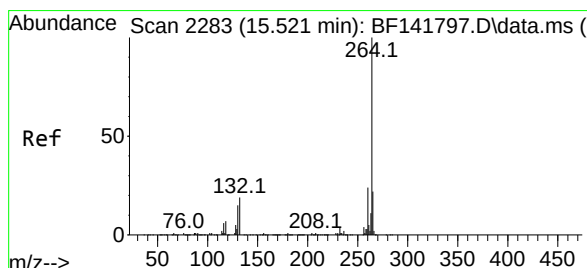
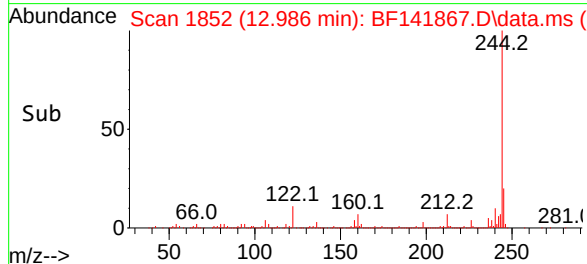
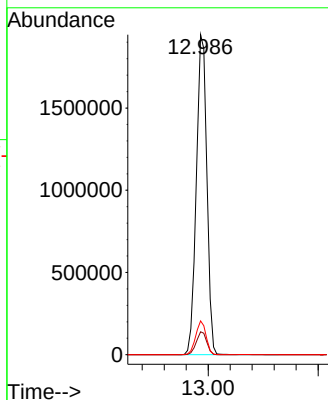
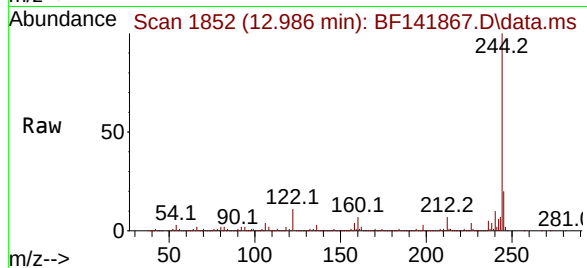
Tgt Ion:244 Resp: 2591383

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 10.6 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: BF141867.D

Acq: 06 Mar 2025 14:31

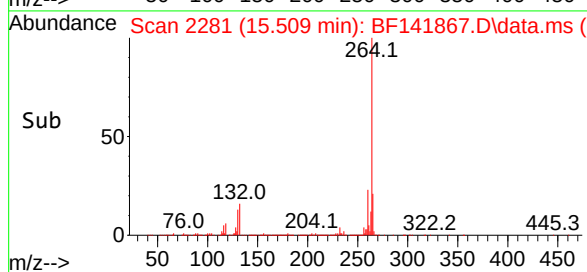
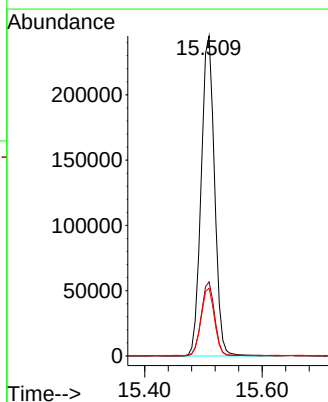
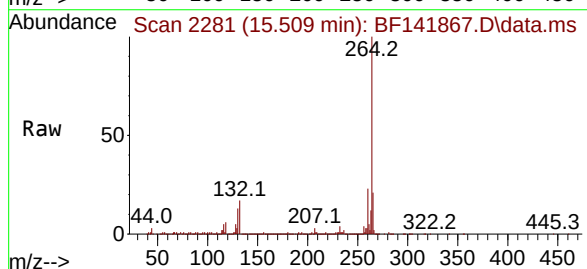
Tgt Ion:264 Resp: 388809

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141867.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	4	12	27	rBV	3394185	5631353	35.15%	8.430%
2	2.551	62	78	85	rBV	7585521	16022250	100.00%	23.984%
3	3.010	147	156	165	rBV	708771	1346204	8.40%	2.015%
4	3.528	214	244	263	rBV	715035	4601364	28.72%	6.888%
5	4.628	425	431	441	rVB	1753667	2568208	16.03%	3.844%
6	5.098	503	511	521	rBV	133707	205794	1.28%	0.308%
7	5.498	563	579	586	rBV	1931442	2558280	15.97%	3.830%
8	6.439	730	739	744	rBV	124528	195283	1.22%	0.292%
9	6.498	744	749	760	rVB	1248927	1585956	9.90%	2.374%
10	6.886	808	815	821	rBV	680126	925648	5.78%	1.386%
11	7.445	899	910	915	rBV	2596525	3556444	22.20%	5.324%
12	8.063	1010	1015	1022	rBV	258497	336986	2.10%	0.504%
13	8.163	1027	1032	1048	rVB	915768	1177241	7.35%	1.762%
14	9.239	1209	1215	1220	rBV	5053302	6494202	40.53%	9.721%
15	9.916	1325	1330	1335	rBV	1050784	1288901	8.04%	1.929%
16	10.627	1447	1451	1458	rVB	324627	407649	2.54%	0.610%
17	10.704	1458	1464	1469	rBV	3462683	4448109	27.76%	6.658%
18	11.116	1529	1534	1539	rVB	742511	906818	5.66%	1.357%
19	11.398	1577	1582	1595	rVB	1000515	1345288	8.40%	2.014%
20	11.927	1665	1672	1686	rBV2	648109	1036141	6.47%	1.551%
21	12.633	1786	1792	1800	rBV	175522	311847	1.95%	0.467%
22	12.710	1800	1805	1819	rVB	222616	373475	2.33%	0.559%
23	12.986	1846	1852	1858	rBV	5215817	6905363	43.10%	10.337%
24	13.880	2000	2004	2015	rBV2	99740	192560	1.20%	0.288%
25	14.033	2025	2030	2039	rVB	811692	1116705	6.97%	1.672%
26	14.892	2172	2176	2187	rVB	130991	194419	1.21%	0.291%
27	15.509	2275	2281	2295	rVB	652356	1071268	6.69%	1.604%

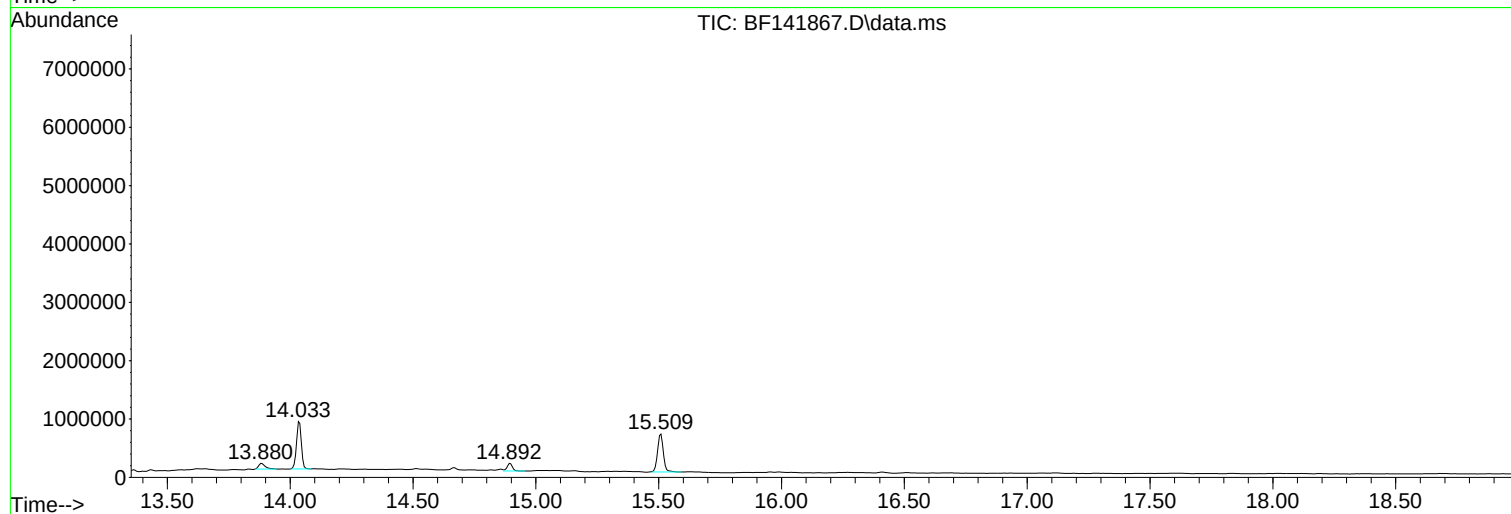
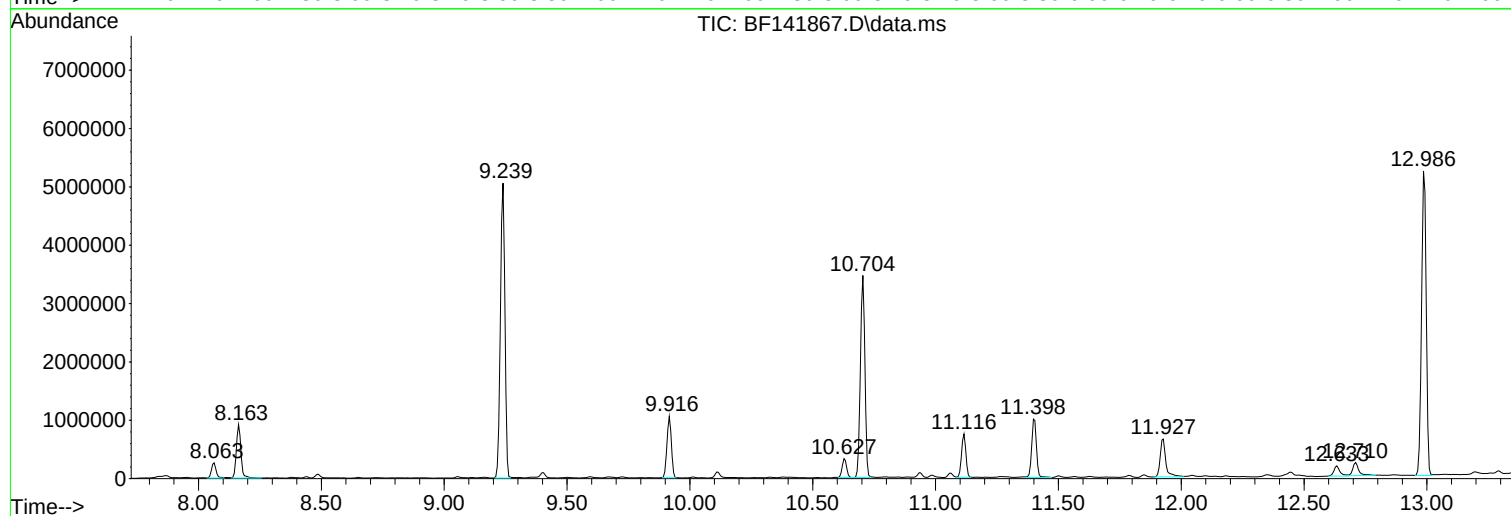
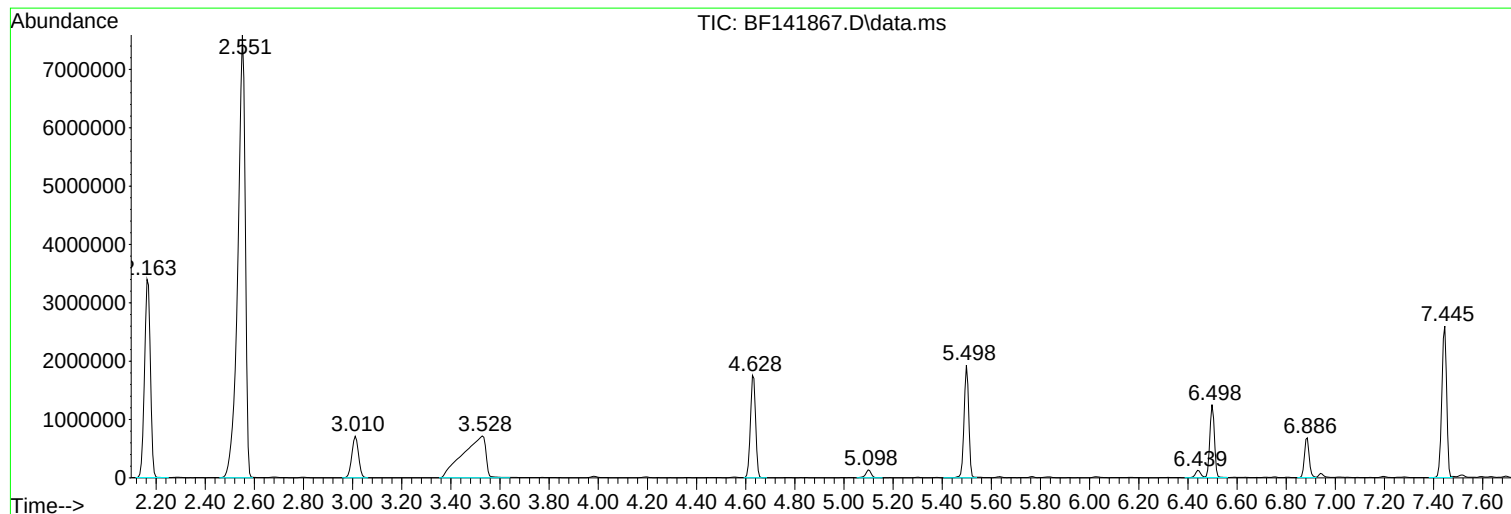
Sum of corrected areas: 66803756

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

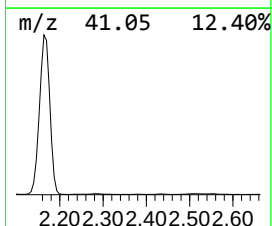
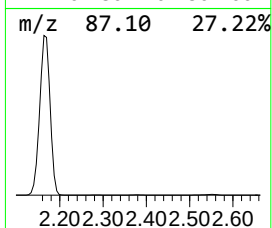
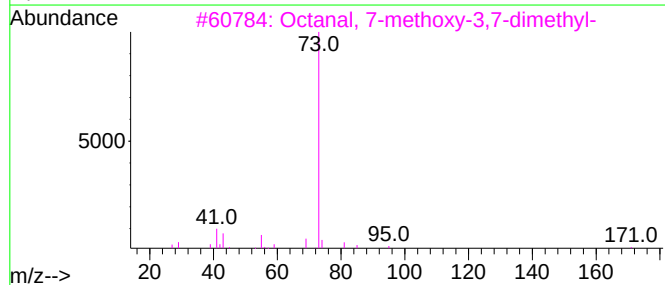
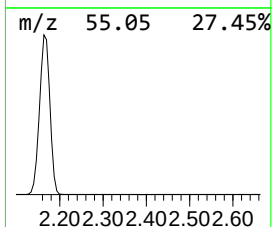
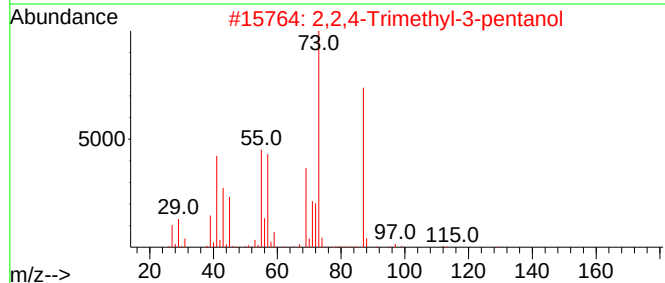
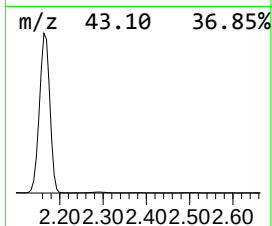
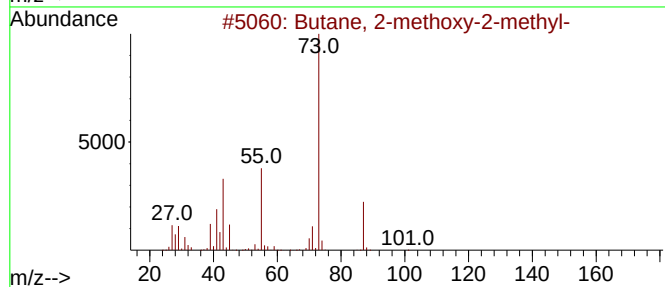
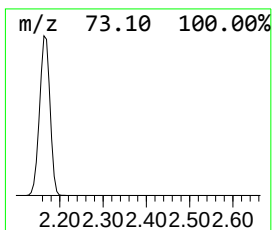
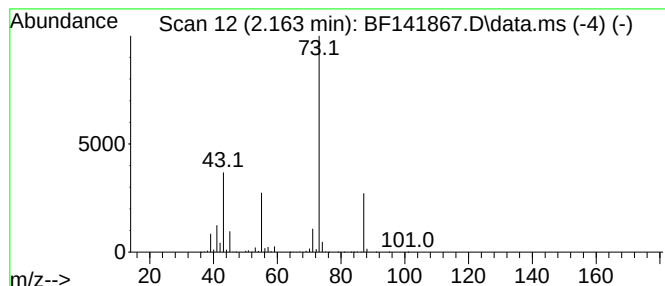
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	121.67 ng	5631350	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

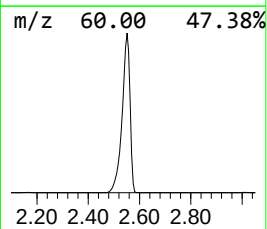
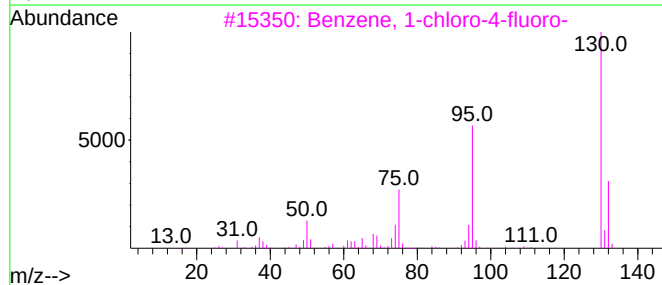
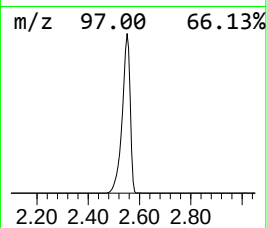
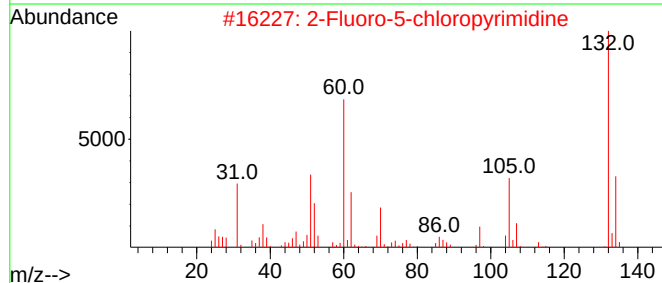
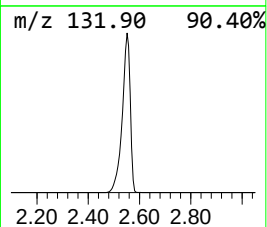
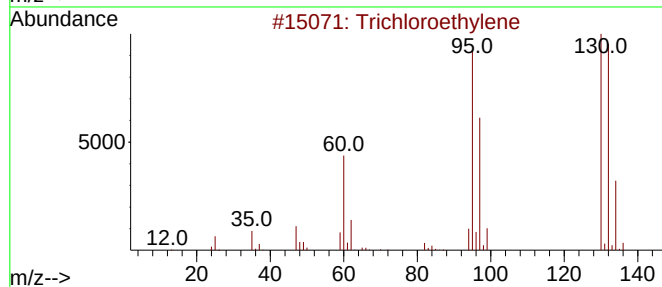
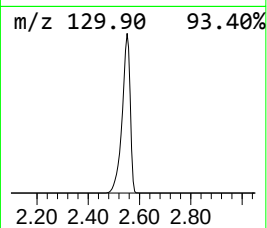
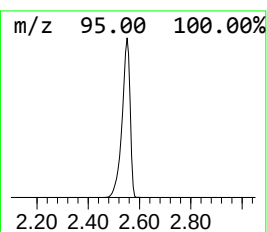
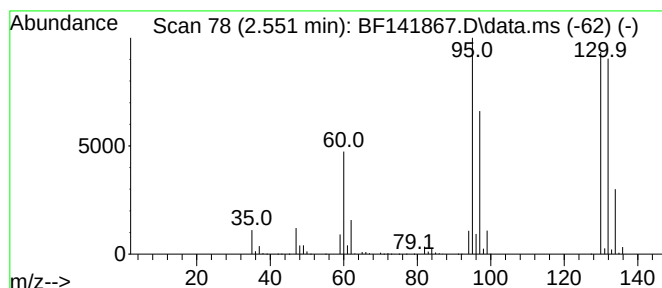
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Trichloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.551	346.19 ng	16022300	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroethylene	130	C2HCl3	000079-01-6	99
2			2-Fluoro-5-chloropyrimidine	132	C4H2ClFN2	062802-37-3	35
3			Benzene, 1-chloro-4-fluoro-	130	C6H4ClF	000352-33-0	22
4			Isoquinoline, 3,4-dihydro-	131	C9H9N	003230-65-7	12
5			1H-1,2,4-Triazol-3-amine, 5-(met...	130	C3H6N4S	045534-08-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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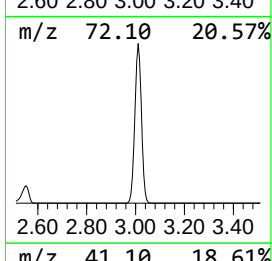
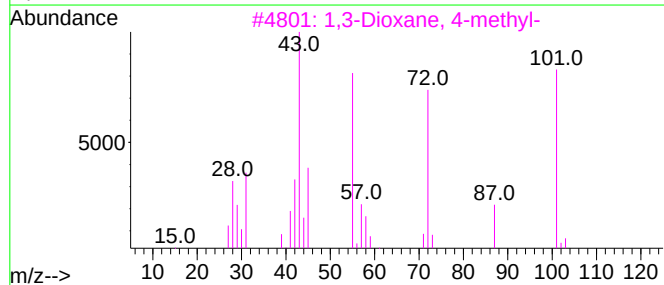
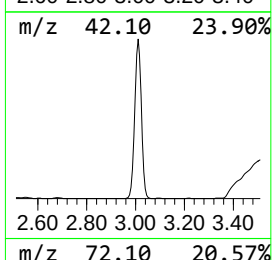
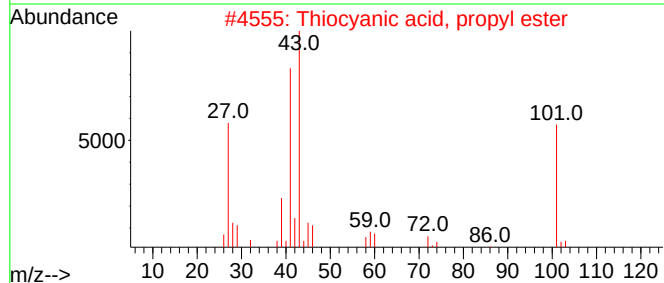
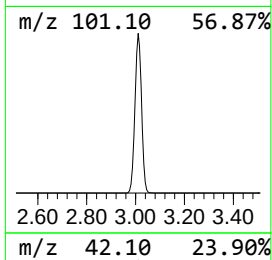
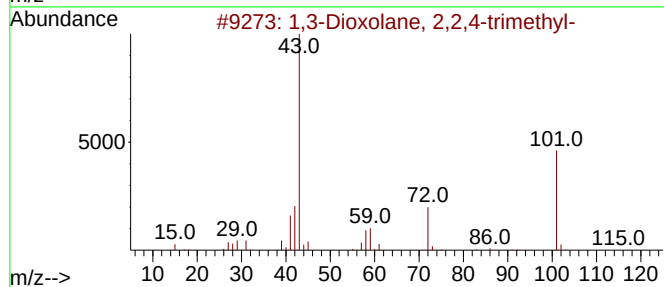
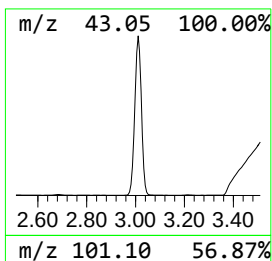
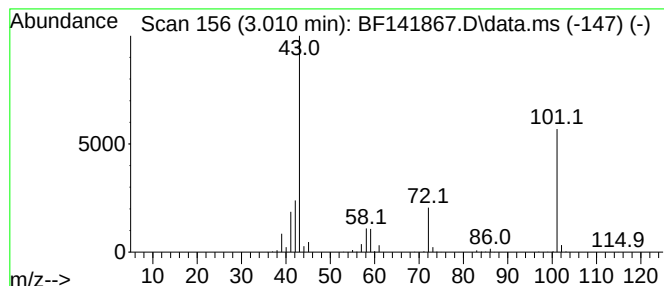
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,3-Dioxolane, 2,2,4-trimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.010	29.09 ng	1346200	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dioxolane, 2,2,4-trimethyl-	116	C6H12O2	001193-11-9	90
2			Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	53
3			1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	50
4			Isopropyl isothiocyanate	101	C4H7NS	002253-73-8	50
5			Propane, 1-isothiocyanato-	101	C4H7NS	000628-30-8	28



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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Instrument :
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ClientSampleId :
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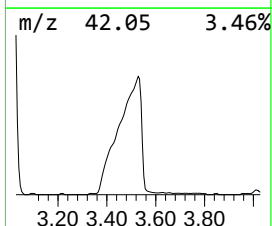
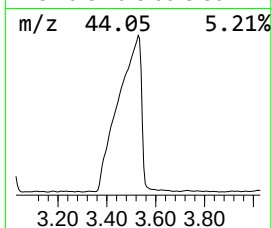
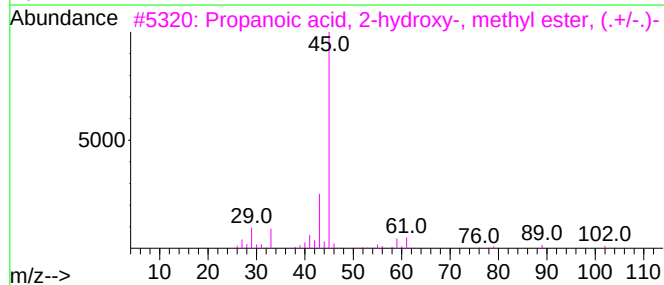
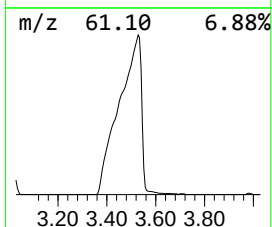
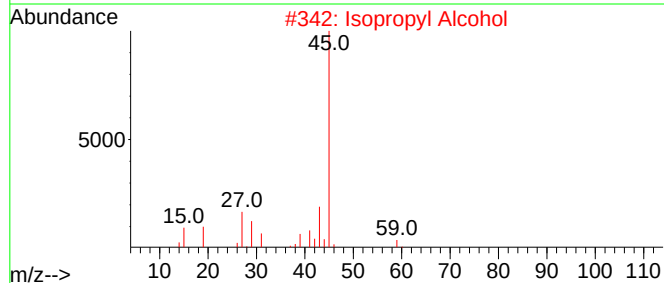
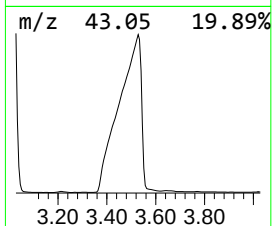
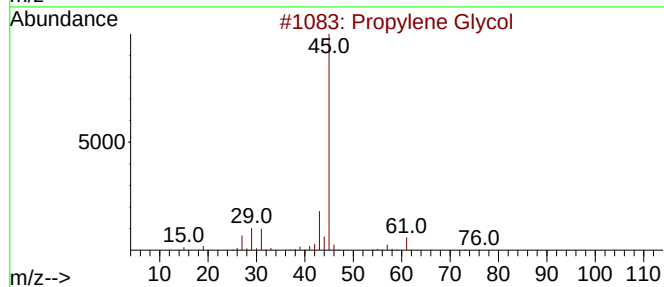
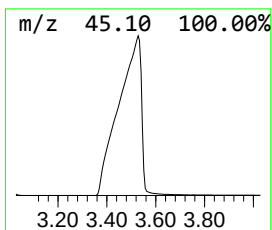
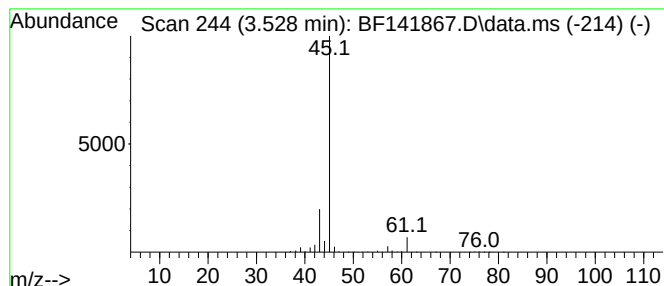
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Propylene Glycol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.528	99.42 ng	4601360	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	90
2			Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
4			R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9
5			Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
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Instrument :
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ClientSampleId :
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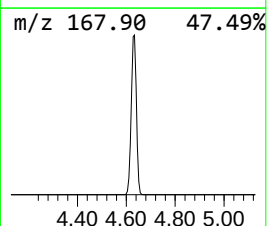
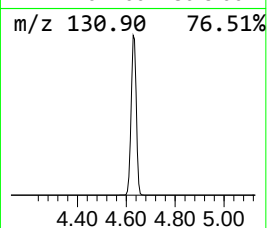
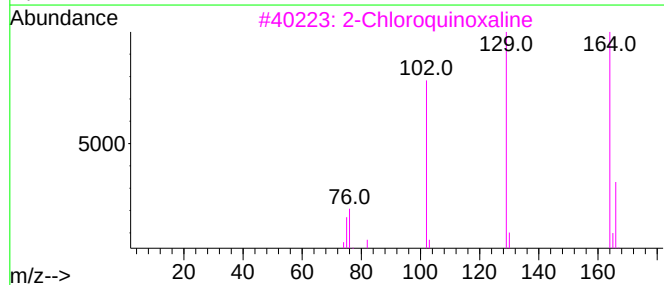
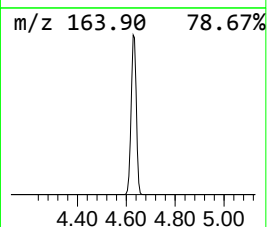
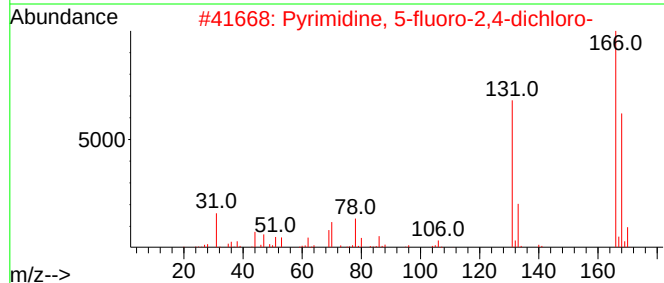
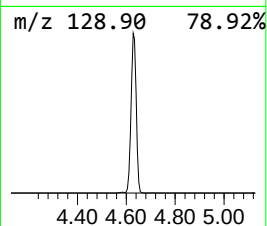
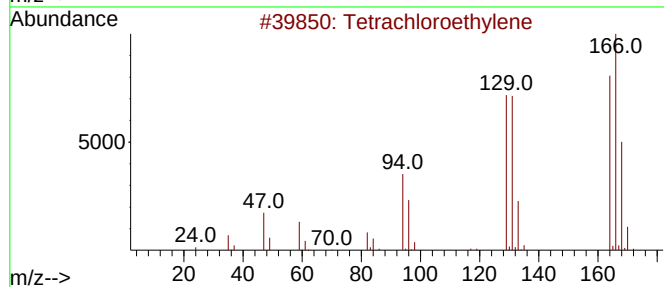
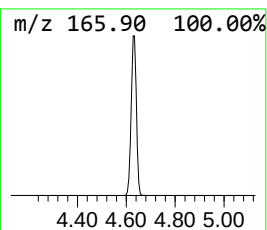
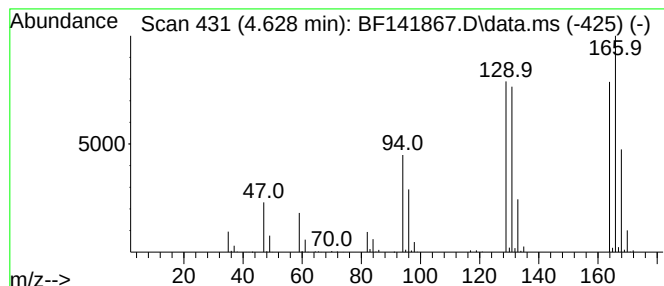
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tetrachloroethylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.628	55.49 ng	2568210	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrachloroethylene	164	C2Cl4	000127-18-4	99
2			Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HC12FN2	002927-71-1	32
3			2-Chloroquinoxaline	164	C8H5ClN2	001448-87-9	12
4			2,4-Dichloro-6-fluoropyrimidine	166	C4HC12FN2	003833-57-6	9
5			2-Chloro-4-aminopyrimidine	129	C4H4ClN3	007461-50-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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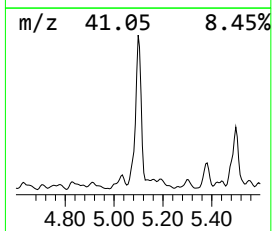
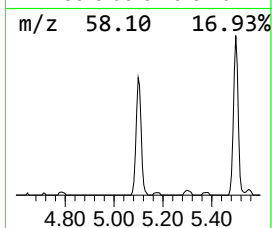
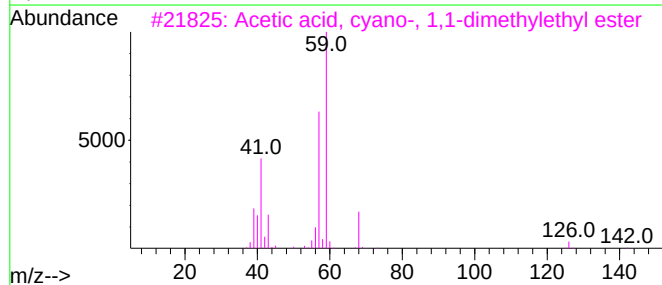
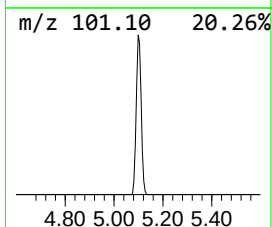
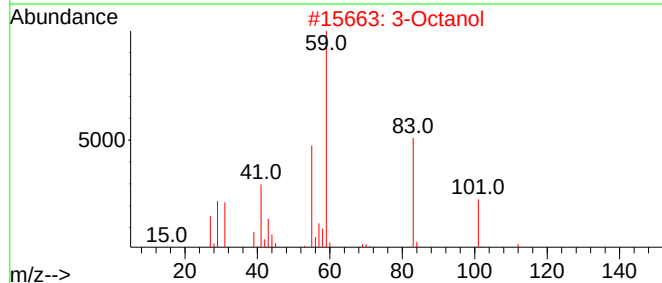
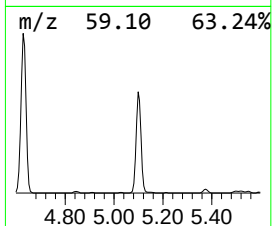
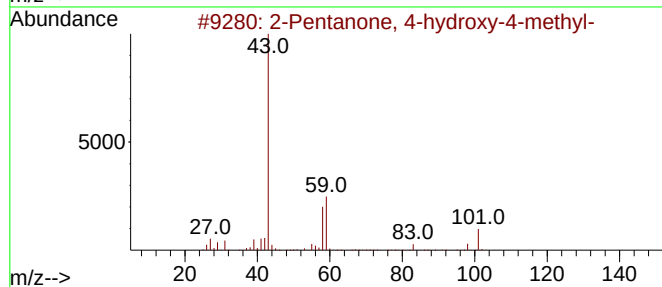
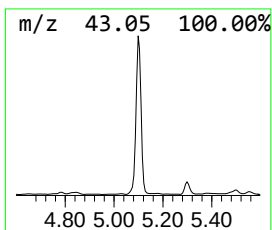
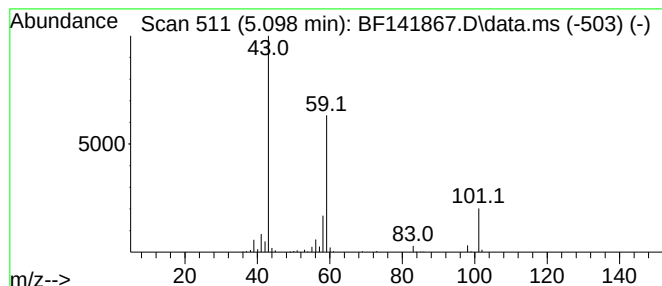
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	4.45 ng	205794	1,4-Dichlorobenzene-d4	6.886

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		3-Octanol	130	C8H18O	000589-98-0	36
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5		Guanidine	59	CH5N3	000113-00-8	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
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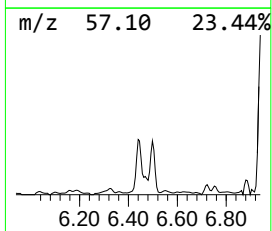
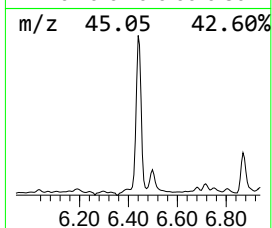
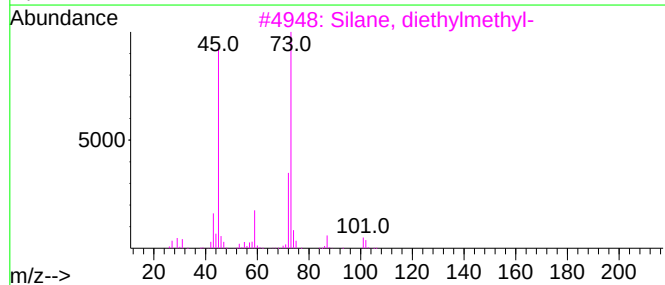
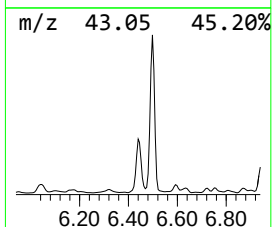
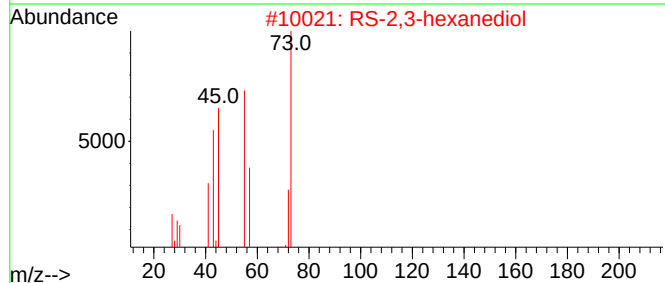
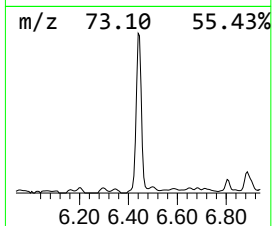
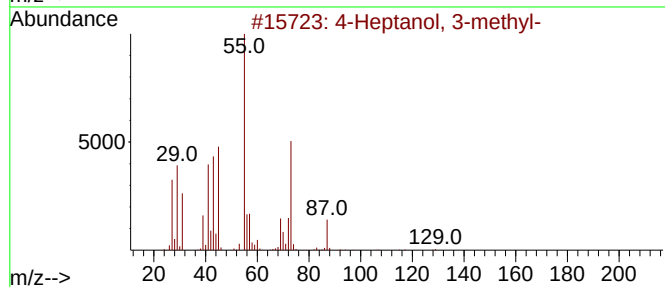
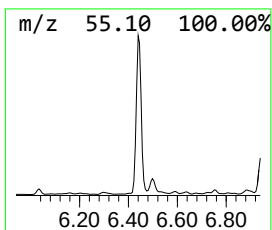
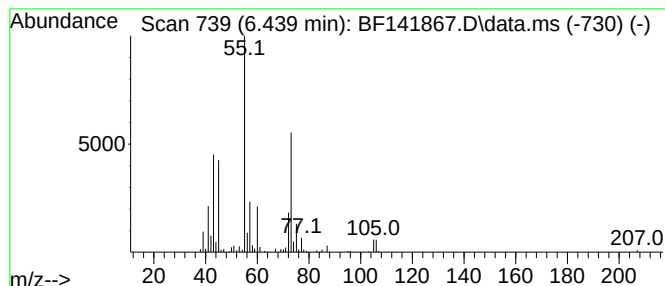
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown6.439 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.439	4.22 ng	195283	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Heptanol, 3-methyl-	130	C8H18O	001838-73-9	40
2			RS-2,3-hexanediol	118	C6H14O2	082360-67-6	38
3			Silane, diethylmethyl-	102	C5H14Si	000760-32-7	32
4			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	27
5			5-Hydroxy-4-octanone	144	C8H16O2	000496-77-5	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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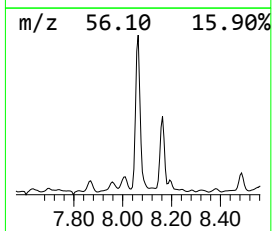
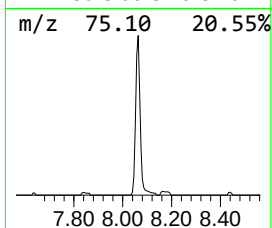
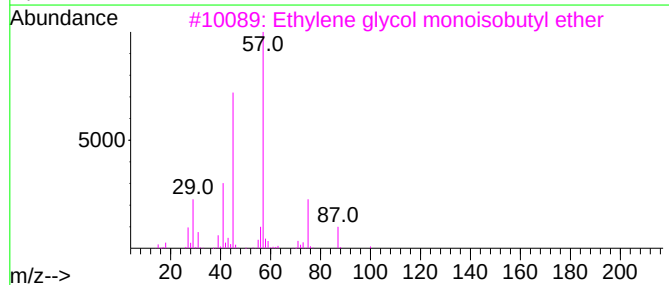
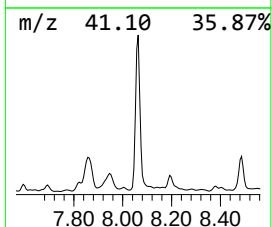
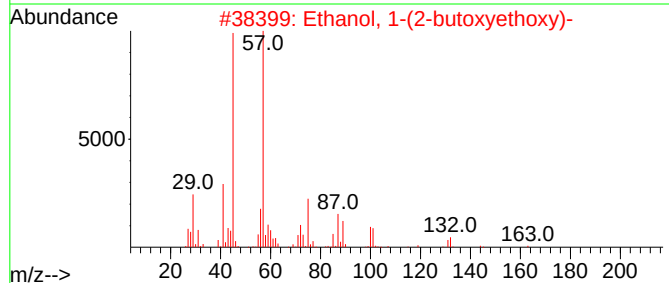
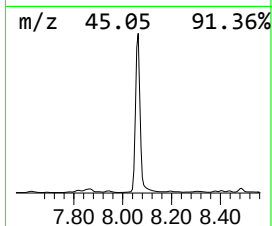
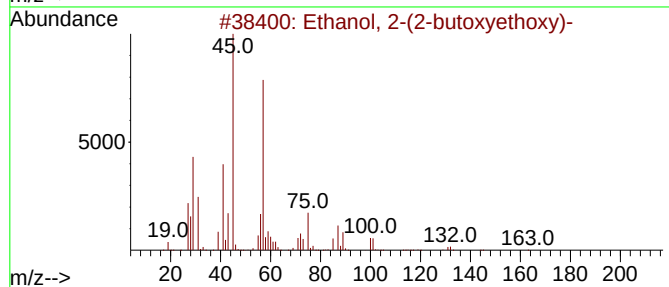
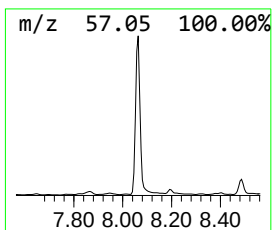
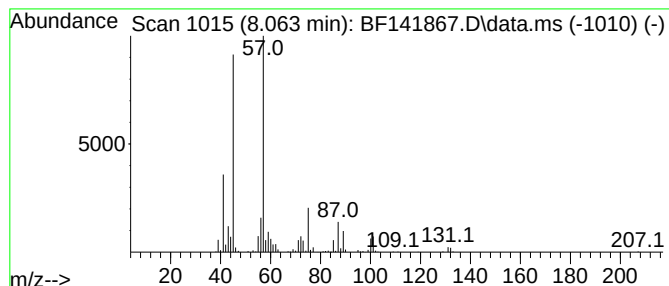
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.063	5.73 ng	336986	Naphthalene-d8	8.163

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2		Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3		Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4		Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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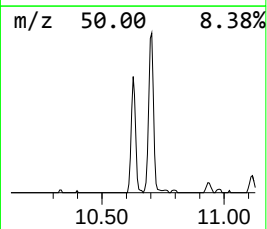
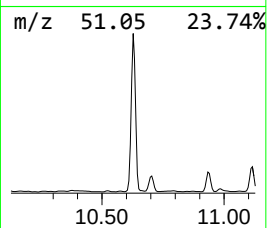
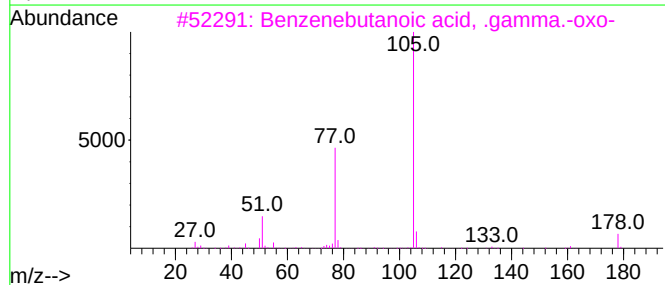
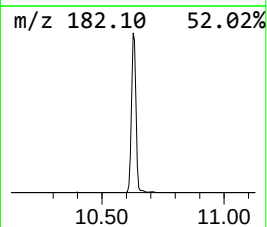
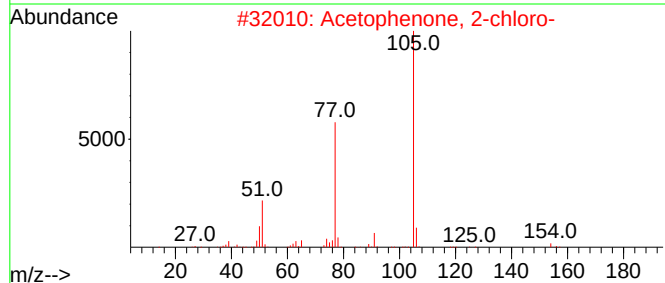
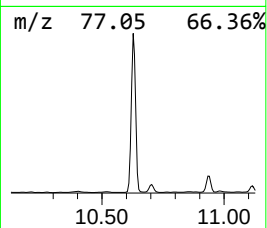
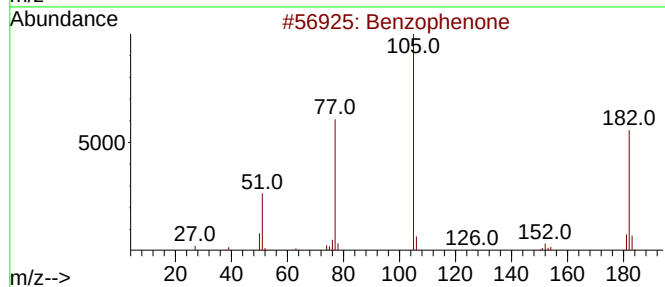
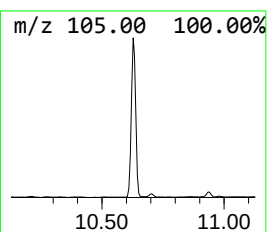
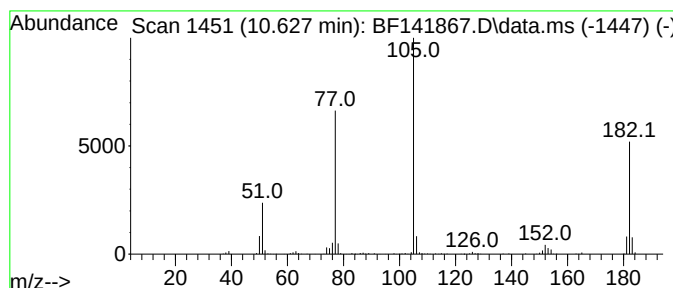
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	6.33 ng	407649	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

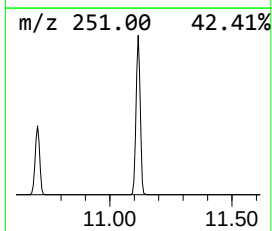
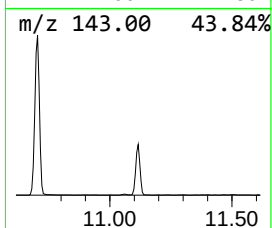
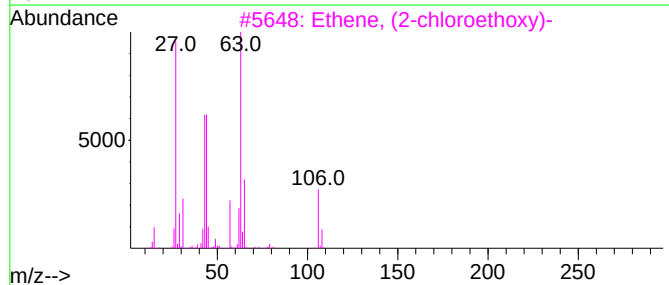
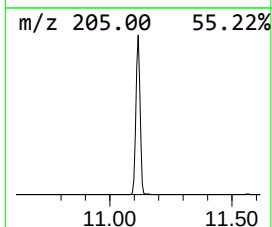
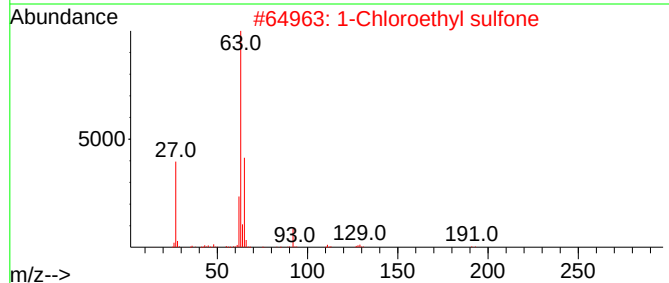
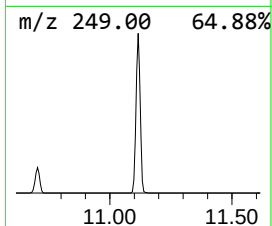
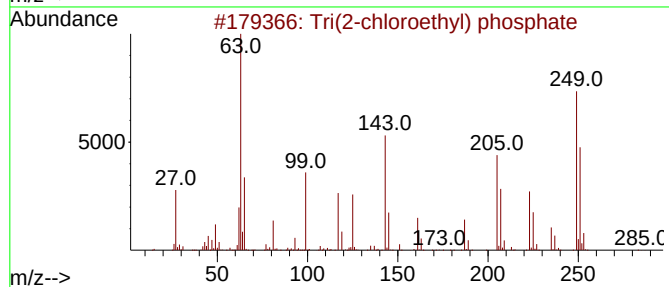
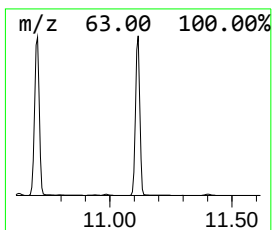
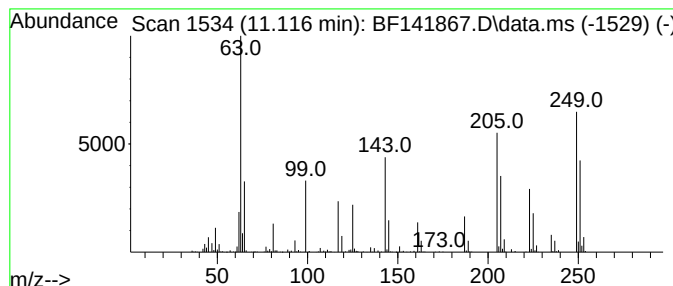
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Tri(2-chloroethyl) phosphate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	13.48 ng	906818	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	95
2			1-Chloroethyl sulfone	190	C4H8Cl2O2S	010038-07-0	47
3			Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	47
4			Ethanol, 2-chloro-, phosphite (3:1)	268	C6H12Cl3O3P	000140-08-9	38
5			Trichloroacetic acid, 2-chloroet...	224	C4H4Cl4O2	1000330-88-7	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

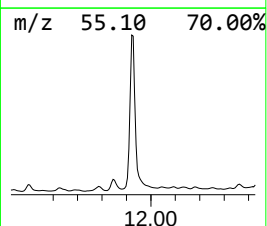
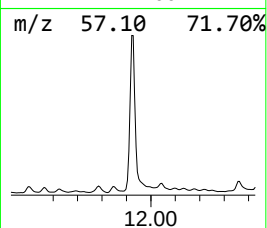
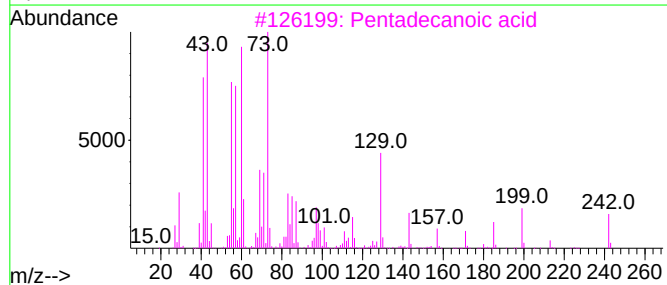
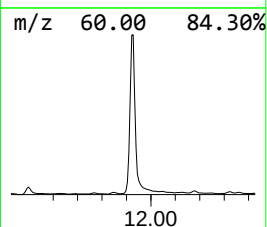
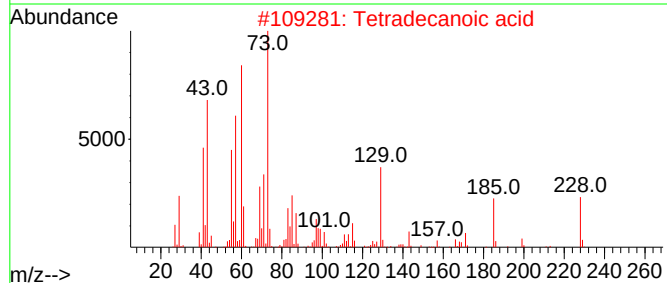
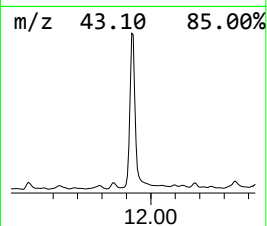
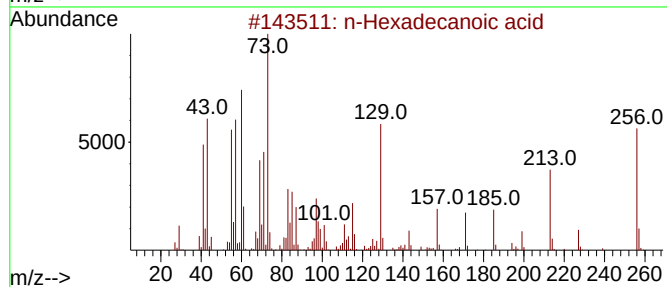
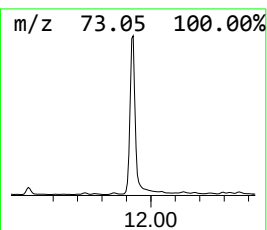
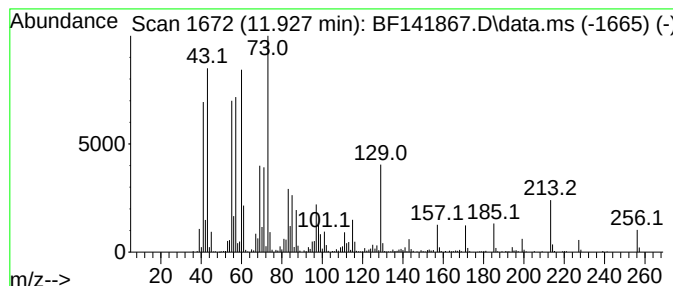
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	15.40 ng	1036140	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tridecanoic acid	214	C13H26O2	000638-53-9	91
5			n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

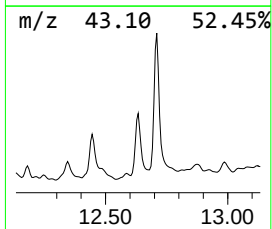
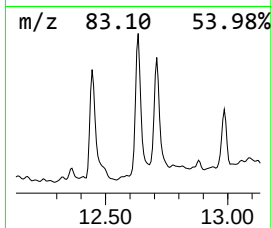
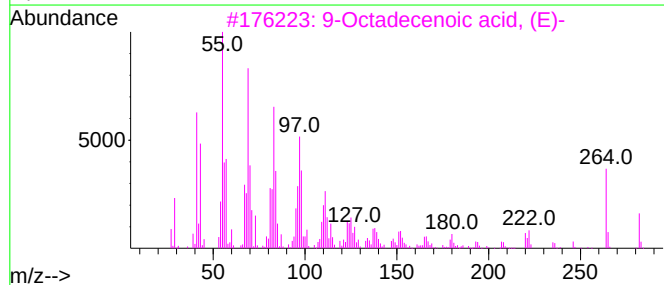
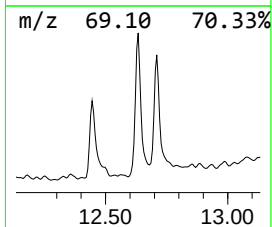
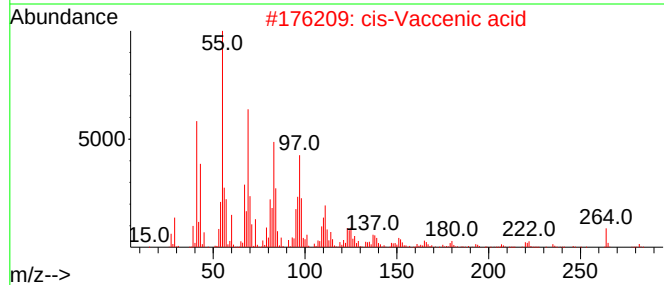
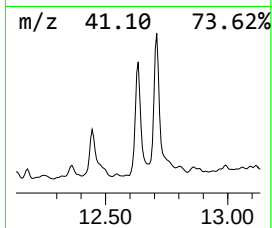
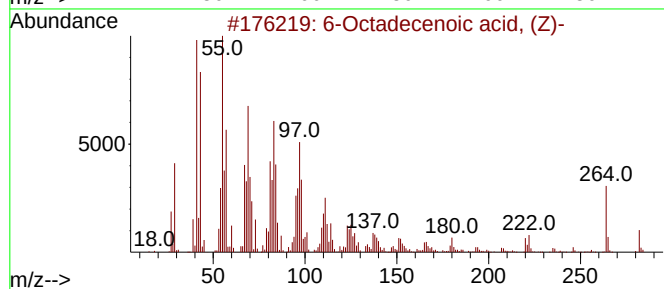
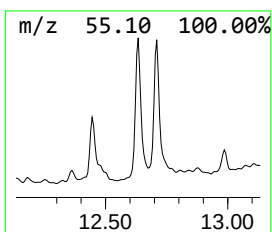
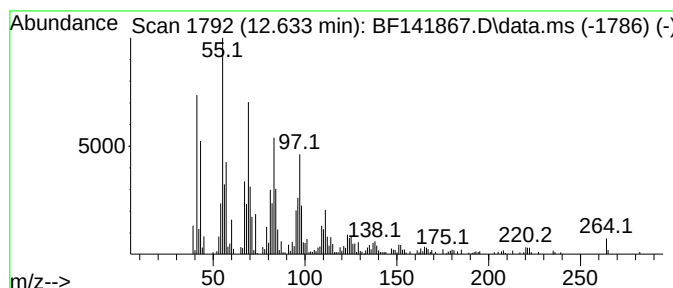
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IDW-AQ-MW-19B-COMP-022825

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 6-Octadecenoic acid, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.633	4.64 ng	311847	Phenanthrene-d10	11.398	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	99
2	cis-Vaccenic acid	282	C18H34O2	000506-17-2	99
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
4	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	99
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

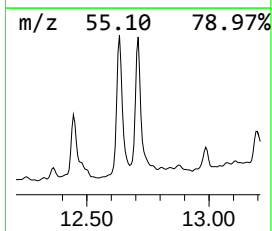
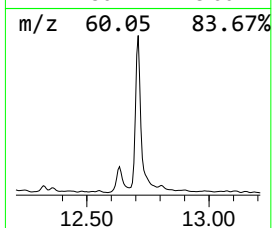
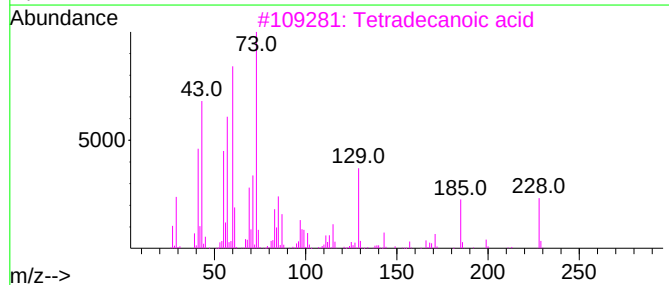
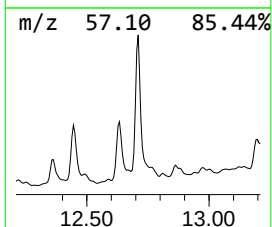
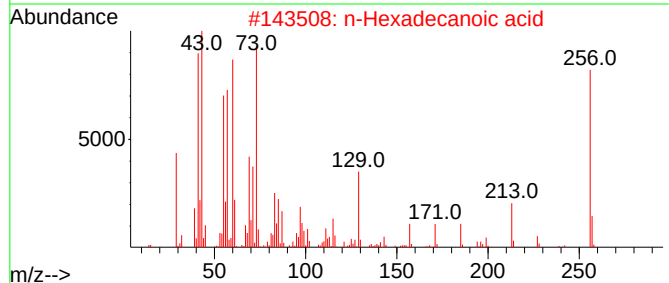
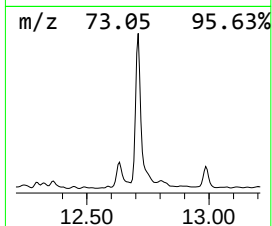
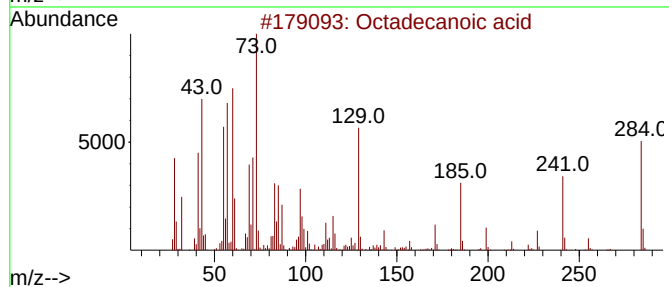
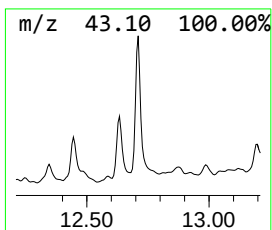
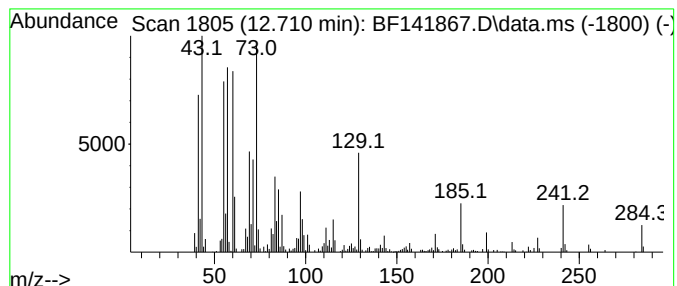
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	5.55 ng	373475	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5			Tridecanoic acid	214	C13H26O2	000638-53-9	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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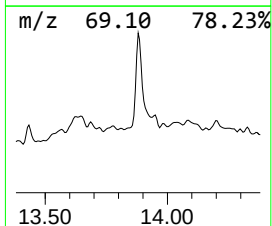
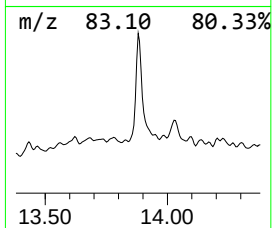
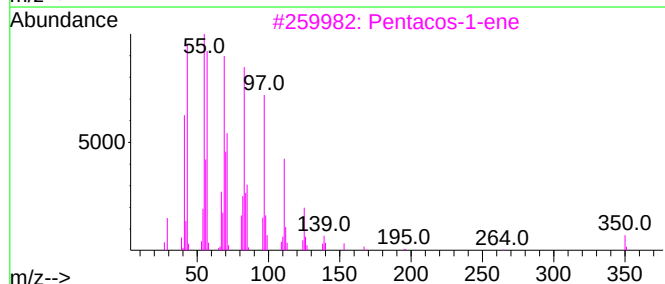
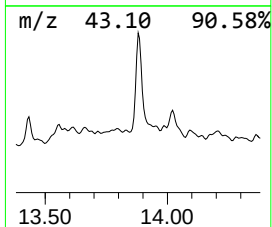
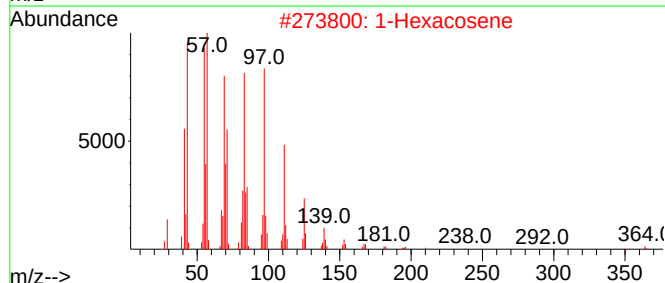
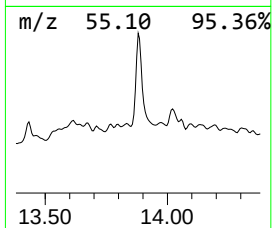
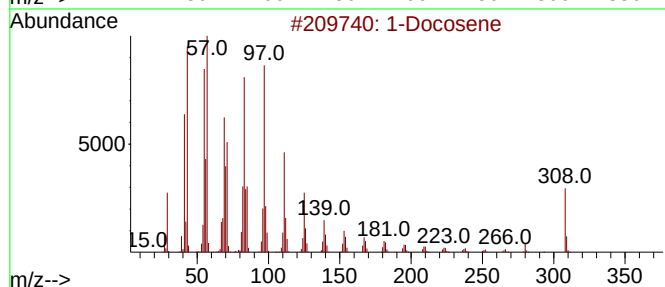
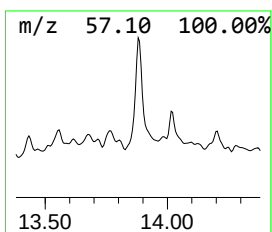
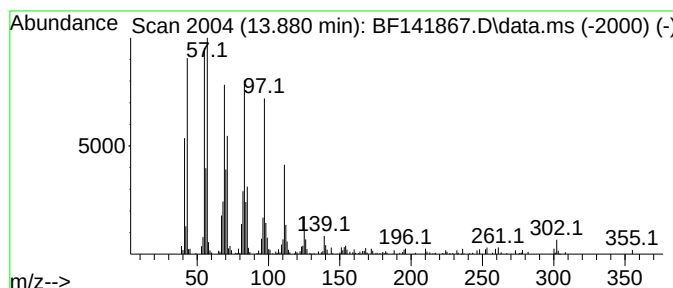
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1-Docosene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	3.45 ng	192560	Chrysene-d12	14.033

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	95
2	1-Hexacosene		364	C26H52	018835-33-1	95
3	Pentacos-1-ene		350	C25H50	016980-85-1	94
4	Trichloroacetic acid, hexadecyl ...		386	C18H33Cl3O2	074339-54-1	94
5	1-Heneicosyl formate		340	C22H44O2	077899-03-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
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ALS Vial : 11 Sample Multiplier: 1

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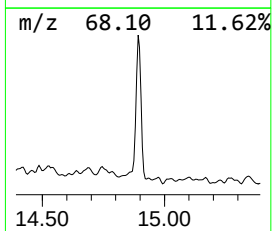
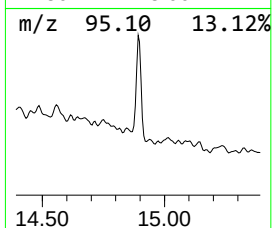
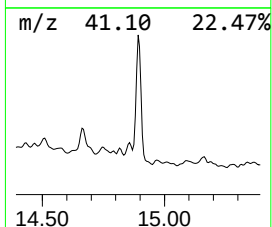
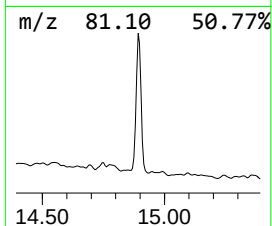
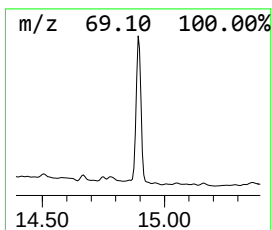
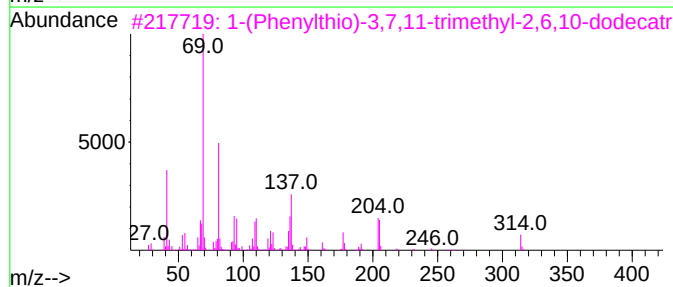
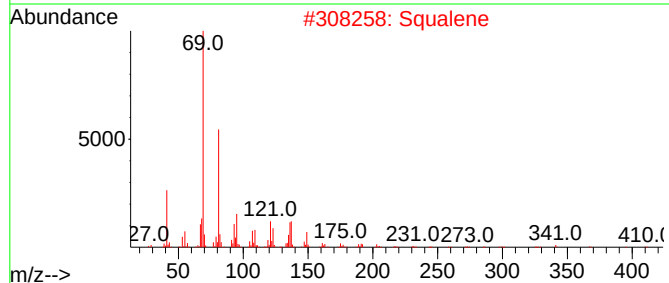
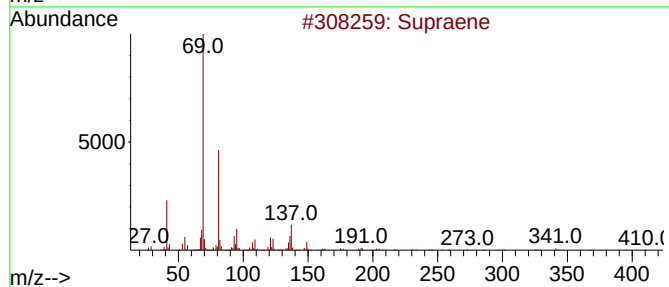
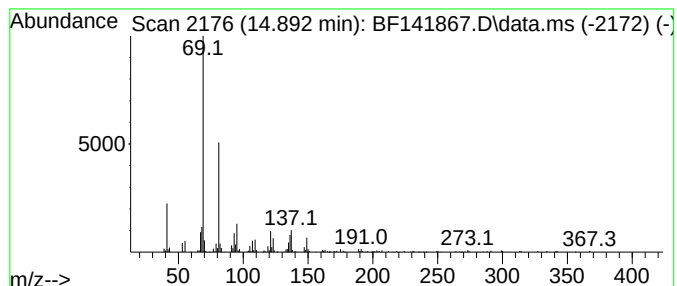
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Supraene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	3.63 ng	194419	Perylene-d12	15.509

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	91
2			Squalene	410	C30H50	000111-02-4	90
3			1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	87
4			4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
5			2,6,10,14-Hexadecatetraen-1-ol, ...	332	C22H36O2	061691-98-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141867.D
Acq On : 06 Mar 2025 14:31
Operator : RC/JU
Sample : Q1478-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.163	121.7	ng	5631350	1	6.886	925648	20.0
Trichloroethylene	2.551	346.2	ng	16022300	1	6.886	925648	20.0
1,3-Dioxolane, ...	3.010	29.1	ng	1346200	1	6.886	925648	20.0
Propylene Glycol	3.528	99.4	ng	4601360	1	6.886	925648	20.0
Tetrachloroethy...	4.628	55.5	ng	2568210	1	6.886	925648	20.0
2-Pentanone, 4-...	5.098	4.5	ng	205794	1	6.886	925648	20.0
unknown6.439	6.439	4.2	ng	195283	1	6.886	925648	20.0
Ethanol, 2-(2-b...	8.063	5.7	ng	336986	2	8.163	1177240	20.0
Benzophenone	10.627	6.3	ng	407649	3	9.916	1288900	20.0
Tri(2-chloroeth...	11.116	13.5	ng	906818	4	11.398	1345290	20.0
n-Hexadecanoic ...	11.927	15.4	ng	1036140	4	11.398	1345290	20.0
6-Octadecenoic ...	12.633	4.6	ng	311847	4	11.398	1345290	20.0
Octadecanoic acid	12.710	5.5	ng	373475	4	11.398	1345290	20.0
1-Docosene	13.880	3.5	ng	192560	5	14.033	1116710	20.0
Supraene	14.892	3.6	ng	194419	6	15.509	1071270	20.0

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-AQ-IW-01-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141872.D	1	03/05/25 08:35	03/06/25 16:59	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
108-95-2	Phenol	0.97	U	0.97	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.20	ug/L
95-57-8	2-Chlorophenol	0.74	U	0.74	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.20	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.20	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
78-59-1	Isophorone	1.20	U	1.20	5.20	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.20	ug/L
105-67-9	2,4-Dimethylphenol	1.60	U	1.60	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.10	U	1.10	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.92	U	0.92	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
106-47-8	4-Chloroaniline	1.40	UQ	1.40	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.88	U	0.88	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	5.20	U	5.20	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
92-52-4	1,1-Biphenyl	0.95	U	0.95	5.20	ug/L
91-58-7	2-Chloronaphthalene	1.00	U	1.00	5.20	ug/L
88-74-4	2-Nitroaniline	1.50	U	1.50	5.20	ug/L
131-11-3	Dimethylphthalate	0.97	U	0.97	5.20	ug/L

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-AQ-IW-01-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141872.D	1	03/05/25 08:35	03/06/25 16:59	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.70	U	6.70	10.4	ug/L
100-02-7	4-Nitrophenol	2.10	U	2.10	10.4	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
84-66-2	Diethylphthalate	1.10	U	1.10	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1.00	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
100-01-6	4-Nitroaniline	2.10	U	2.10	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.20	U	3.20	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.93	U	0.93	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.99	U	0.99	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.20	U	2.20	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.60	U	2.60	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L

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-AQ-IW-01-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141872.D	1	03/05/25 08:35	03/06/25 16:59	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.82	U	0.82	5.20	ug/L

SURROGATES

367-12-4	2-Fluorophenol	77.8		15 (10) - 110 (139)	52%	SPK: 150
13127-88-3	Phenol-d6	47.8		15 (10) - 110 (134)	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	123		30 (49) - 130 (133)	123%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	186	*	15 (44) - 110 (137)	124%	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	149000	6.886
1146-65-2	Naphthalene-d8	590000	8.163
15067-26-2	Acenaphthene-d10	323000	9.916
1517-22-2	Phenanthrene-d10	548000	11.404
1719-03-5	Chrysene-d12	434000	14.039
1520-96-3	Perylene-d12	453000	15.509

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	130	J	2.16	ug/L
000079-01-6	Trichloroethylene	38.4	J	2.53	ug/L
001193-11-9	1,3-Dioxolane, 2,2,4-trimethyl-	14.4	J	3.00	ug/L
000057-55-6	Propylene Glycol	170	J	3.59	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.30	A	5.10	ug/L
000108-94-1	Cyclohexanone	4.00	J	5.76	ug/L
	unknown6.445	5.40	J	6.45	ug/L

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-AQ-IW-01-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141872.D	1	03/05/25 08:35	03/06/25 16:59	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000111-14-8	Heptanoic acid	2.30	J		7.23	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	79.5	J		7.62	ug/L
65-85-0	Benzoic acid	21.0	J		7.90	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	7.10	J		8.06	ug/L
000112-05-0	Nonanoic acid	4.40	J		8.50	ug/L
000099-94-5	Benzoic acid, 4-methyl-	2.30	J		8.55	ug/L
000098-73-7	Benzoic acid, p-tert-butyl-	63.0	J		9.85	ug/L
029878-31-7	1H-Benzotriazole, 4-methyl-	2.60	J		10.3	ug/L
000115-96-8	Tri(2-chloroethyl) phosphate	2.90	J		11.1	ug/L
000057-10-3	n-Hexadecanoic acid	5.30	J		11.9	ug/L
000506-17-2	cis-Vaccenic acid	3.80	J		12.6	ug/L
000057-11-4	Octadecanoic acid	2.30	J		12.7	ug/L
000629-92-5	Nonadecane	3.80	J		14.7	ug/L
000646-31-1	Tetracosane	28.8	J		17.3	ug/L

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\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

Quant Time: Mar 06 17:52:38 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)

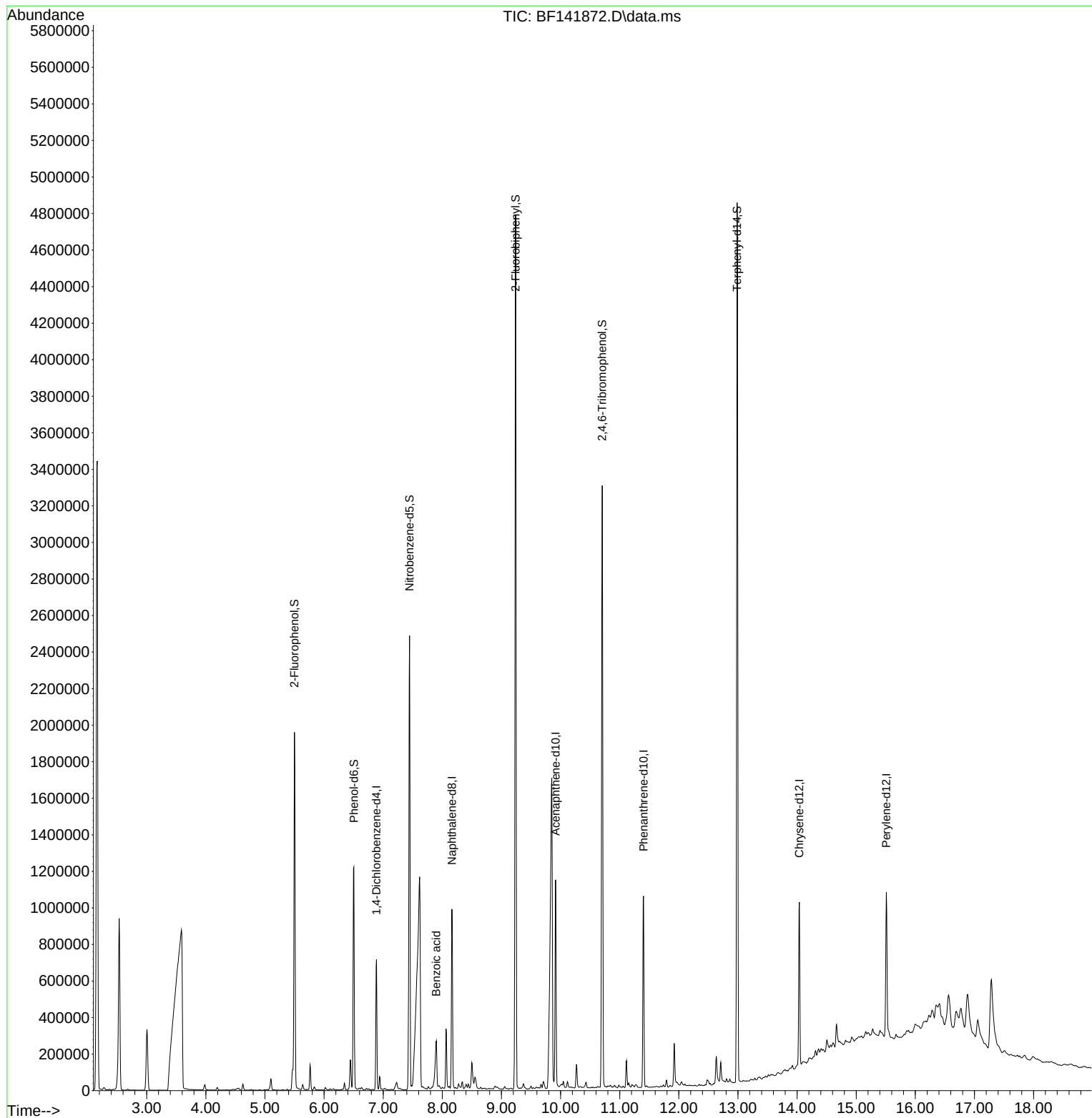
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	148756	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	590022	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	323461	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	547761	20.000	ng	0.00
76) Chrysene-d12	14.039	240	434019	20.000	ng	-0.01
86) Perylene-d12	15.509	264	452777	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	724387	77.767	ng	0.00
7) Phenol-d6	6.504	99	580081	47.846	ng	0.00
23) Nitrobenzene-d5	7.445	82	1138336	123.322	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	565557	186.240	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2049037	101.574	ng	0.00
79) Terphenyl-d14	12.986	244	2404636	89.639	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.898	122	90273	20.151	ng	96

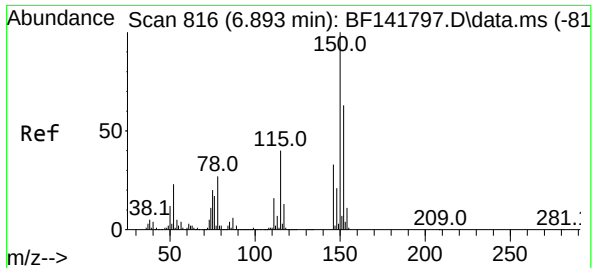
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

Quant Time: Mar 06 17:52:38 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

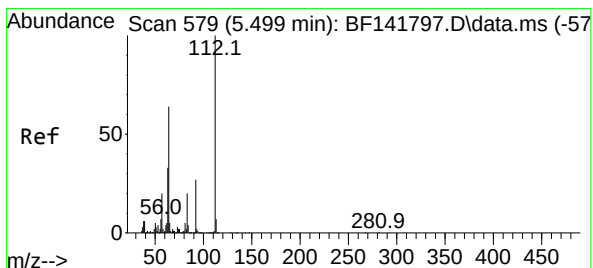
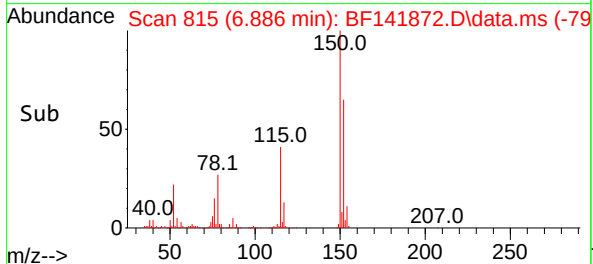
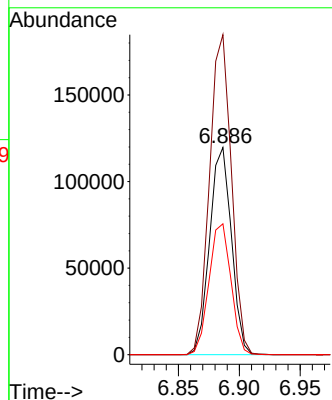
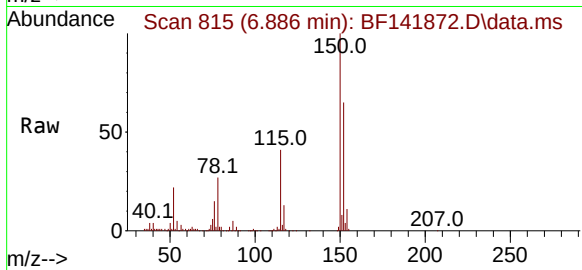




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

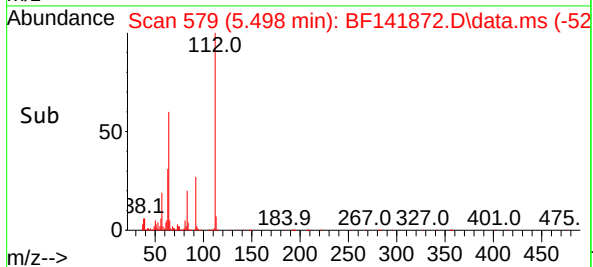
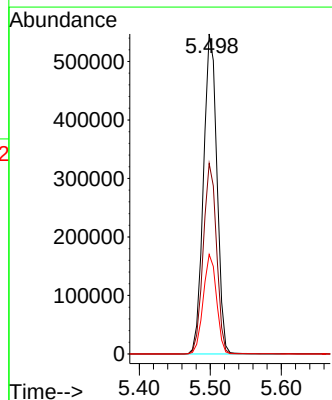
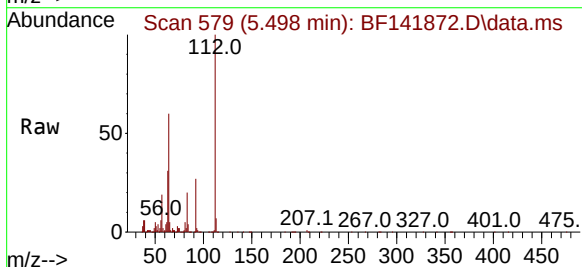
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

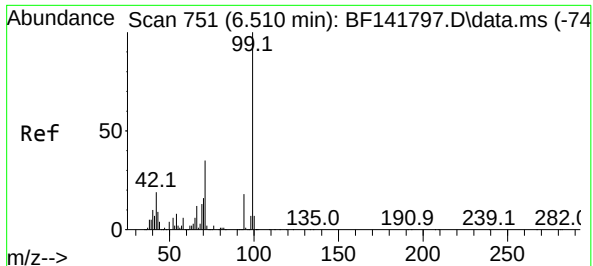
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.5	191.3
115	63.2	51.4	77.2



#5
2-Fluorophenol
Concen: 77.767 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	51.3	76.9
63	31.1	26.2	39.4

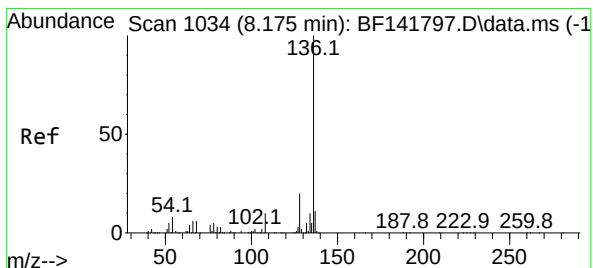
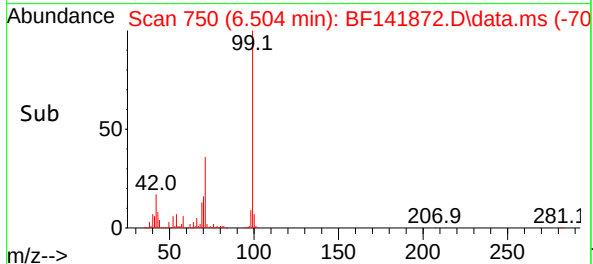
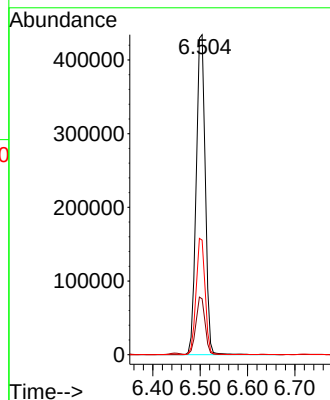
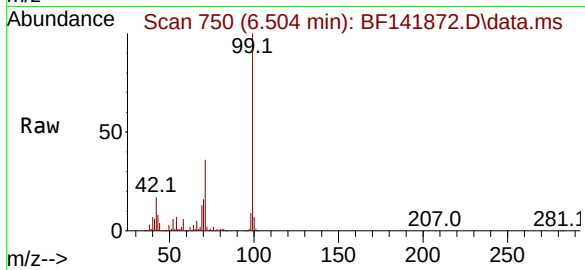




#7
Phenol-d6
Concen: 47.846 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

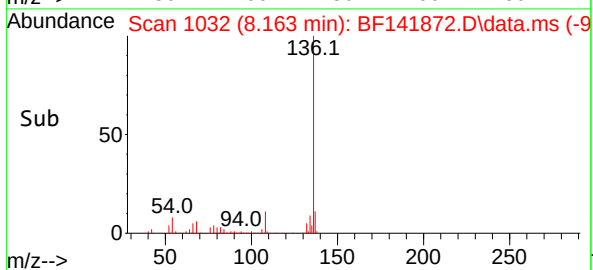
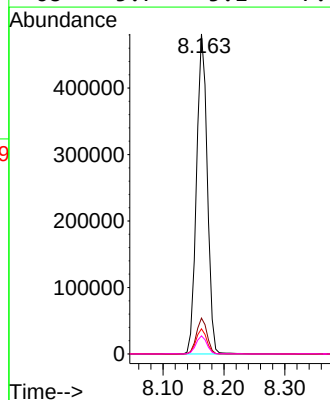
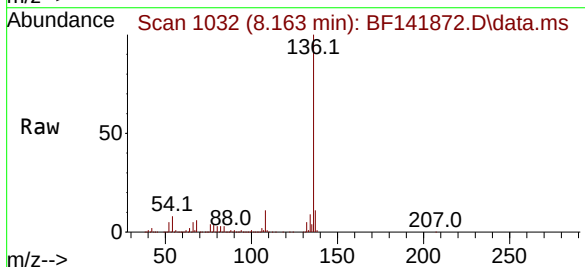
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

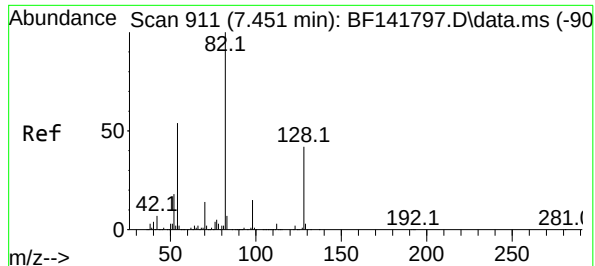
Tgt Ion: 99 Resp: 580081
Ion Ratio Lower Upper
99 100
42 17.5 15.2 22.8
71 35.8 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 136 Resp: 590022
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.9 6.9 10.3
68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 123.322 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

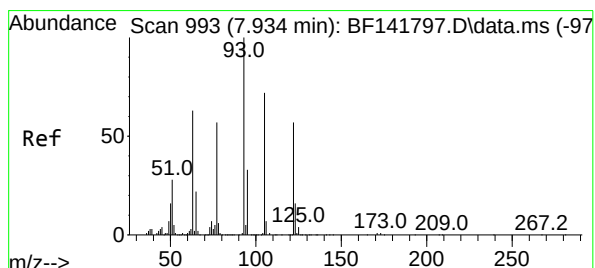
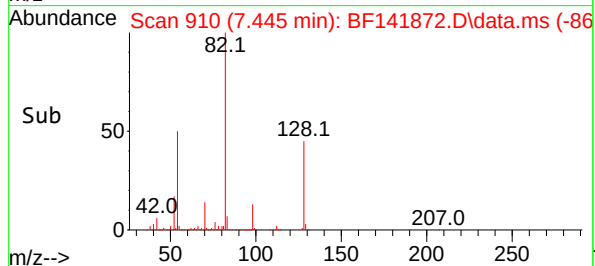
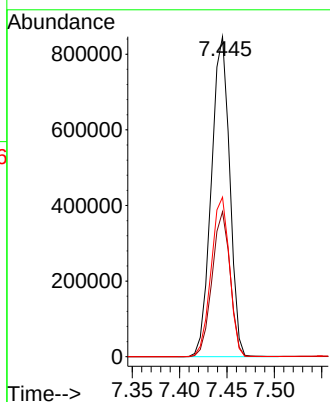
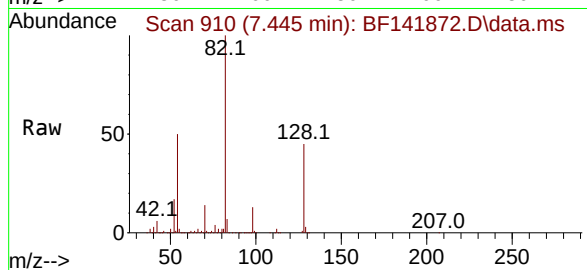
Tgt Ion: 82 Resp: 1138336

Ion Ratio Lower Upper

82 100

128 45.3 33.5 50.3

54 49.8 42.7 64.1



#32

Benzoic acid

Concen: 20.151 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.036 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

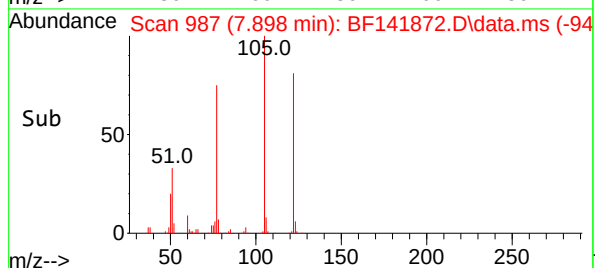
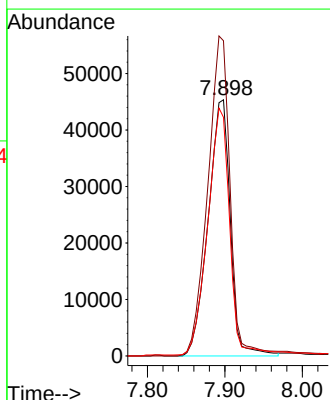
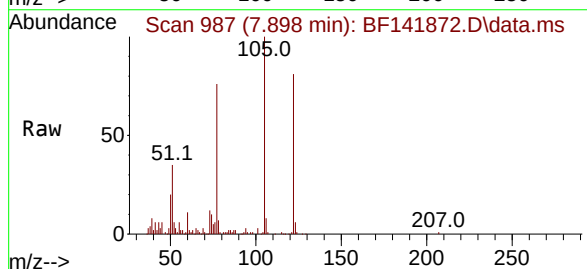
Tgt Ion:122 Resp: 90273

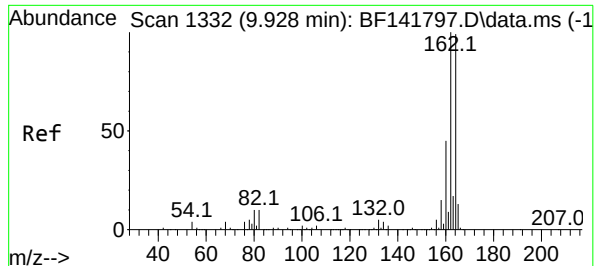
Ion Ratio Lower Upper

122 100

105 123.0 105.8 145.8

77 93.1 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

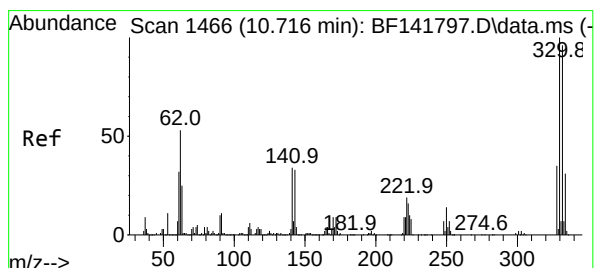
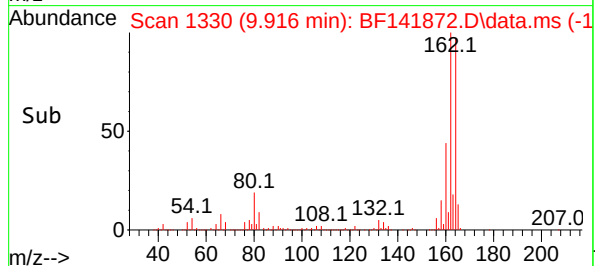
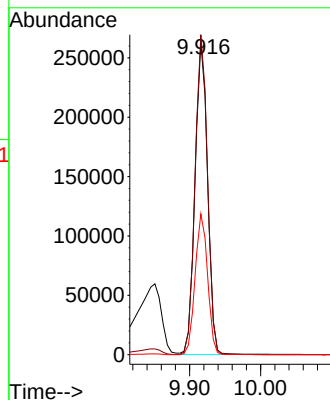
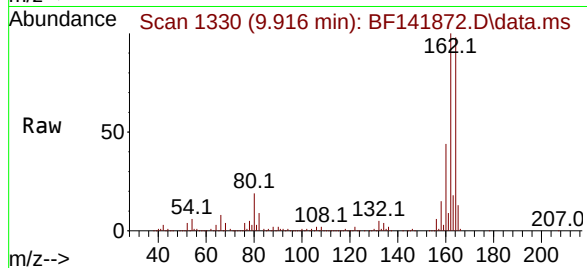
BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

Tgt Ion:164 Resp: 323461

Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	45.1	36.3	54.5



#42

2,4,6-Tribromophenol

Concen: 186.240 ng

RT: 10.704 min Scan# 1464

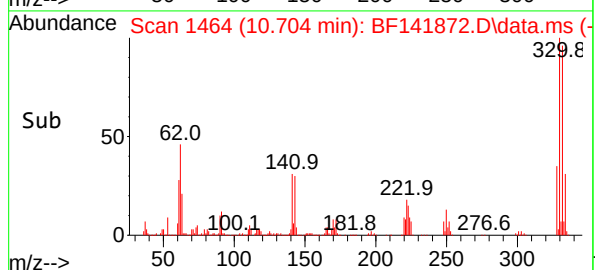
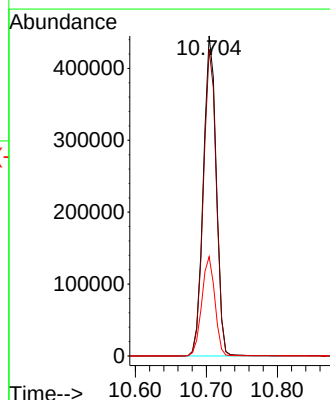
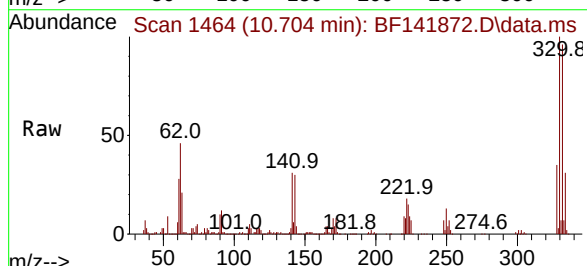
Delta R.T. -0.012 min

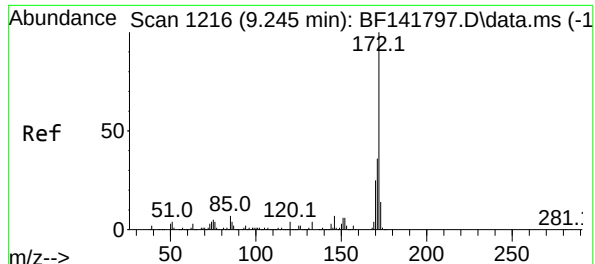
Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Tgt Ion:330 Resp: 565557

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	31.5	29.0	43.4





#45

2-Fluorobiphenyl

Concen: 101.574 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-01-COMP-022825

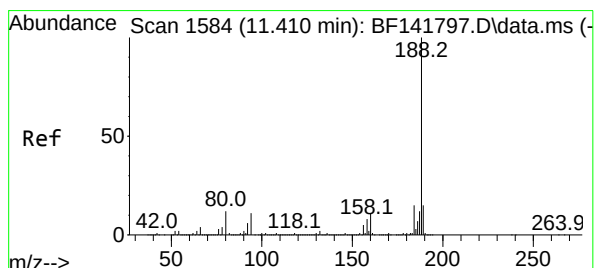
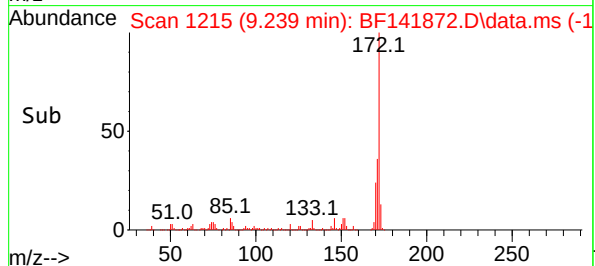
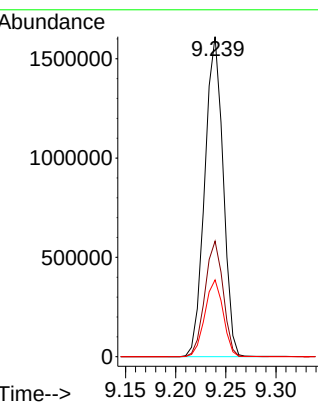
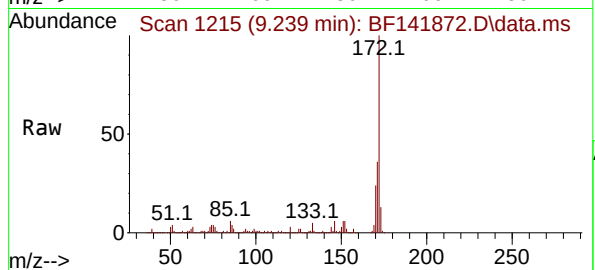
Tgt Ion:172 Resp: 2049037

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 24.0 19.7 29.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF141872.D

Acq: 06 Mar 2025 16:59

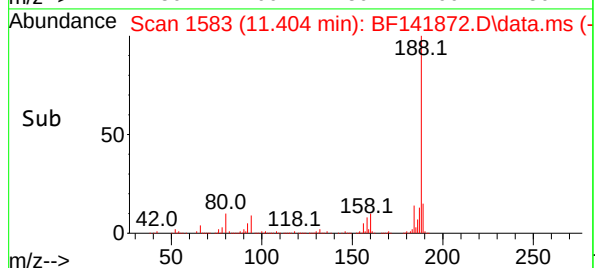
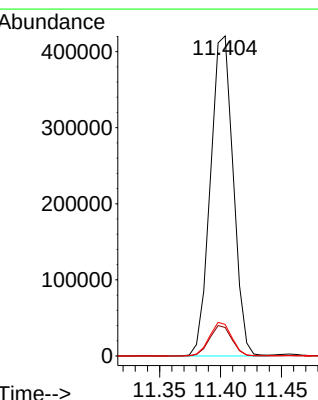
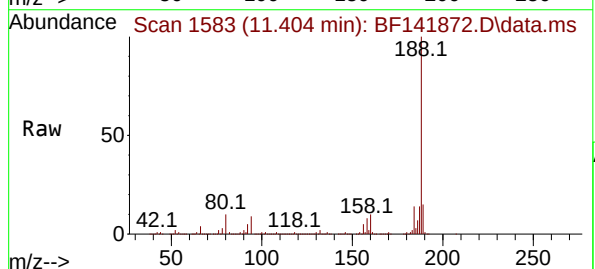
Tgt Ion:188 Resp: 547761

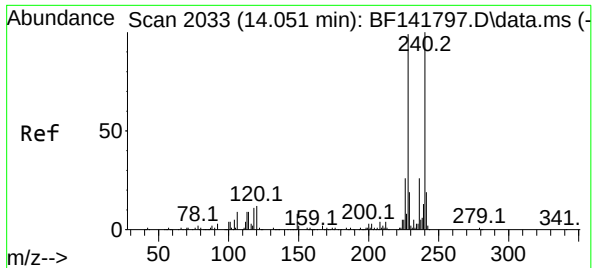
Ion Ratio Lower Upper

188 100

94 8.9 8.9 13.3

80 9.9 9.7 14.5

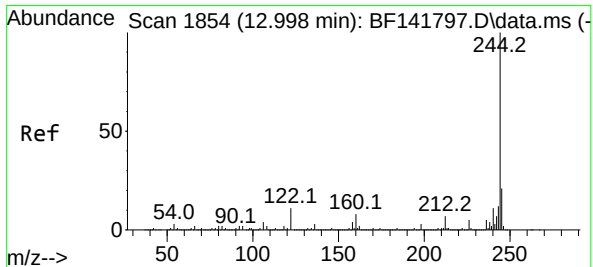
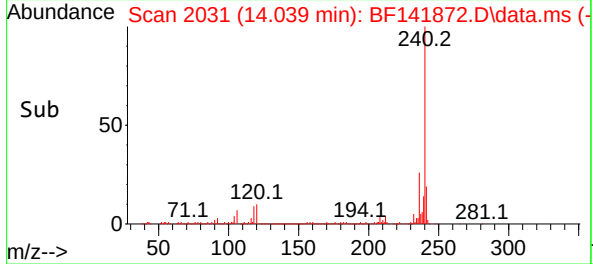
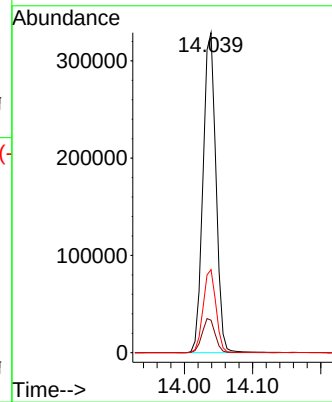
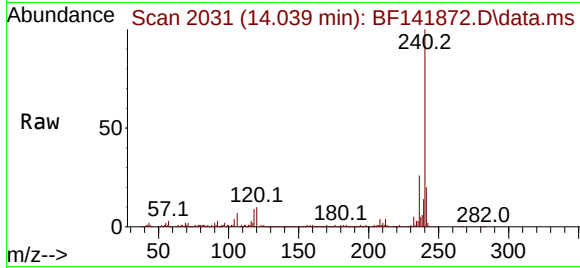




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

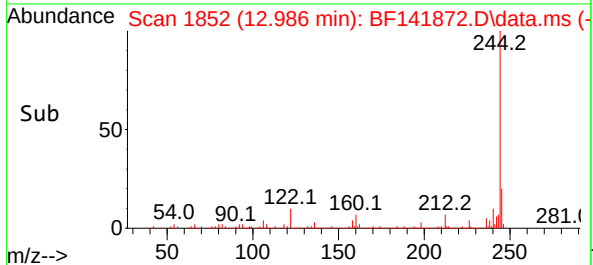
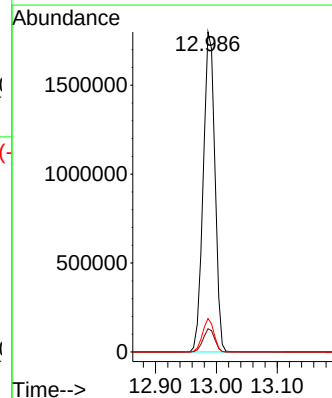
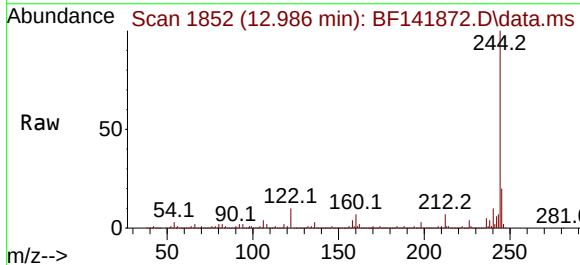
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

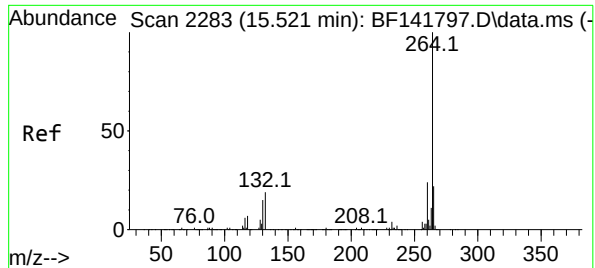
Tgt Ion:240 Resp: 434019
Ion Ratio Lower Upper
240 100
120 10.1 9.7 14.5
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 89.639 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Tgt Ion:244 Resp: 2404636
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 10.4 9.0 13.6

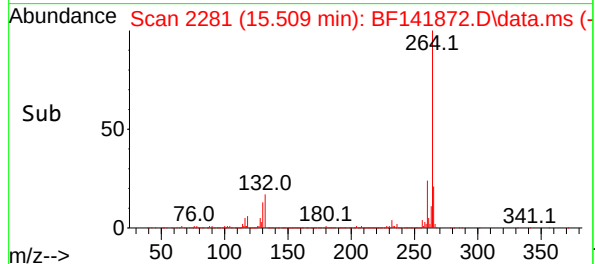
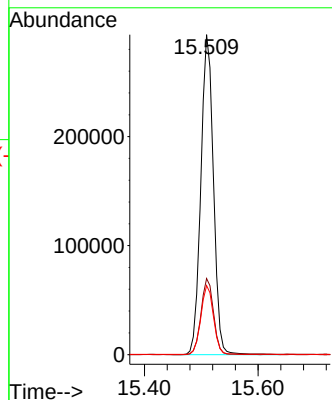
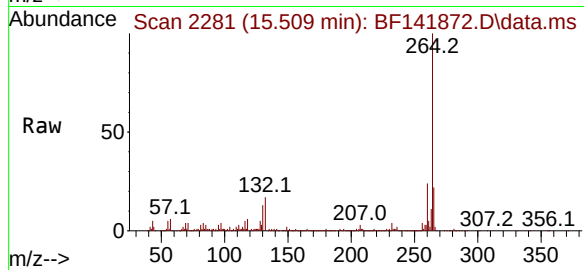




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141872.D
Acq: 06 Mar 2025 16:59

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

Tgt Ion:264 Resp: 452777
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.6 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141872.D
 Acq On : 06 Mar 2025 16:59
 Operator : RC/JU
 Sample : Q1478-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-01-COMP-022825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141872.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	3	12	19	rBV	3438847	5753444	76.11%	9.383%
2	2.534	62	75	87	rVB	939567	1687922	22.33%	2.753%
3	3.004	147	155	167	rVB	333049	631360	8.35%	1.030%
4	3.587	214	254	261	rBV	877175	7559772	100.00%	12.329%
5	5.098	504	511	517	rVB2	60984	101110	1.34%	0.165%
6	5.498	574	579	587	rVB	1947065	2624054	34.71%	4.280%
7	5.763	620	624	630	rVB	135868	174594	2.31%	0.285%
8	6.445	733	740	744	rBV	162299	237949	3.15%	0.388%
9	6.504	744	750	760	rVB	1215331	1638236	21.67%	2.672%
10	6.886	809	815	820	rBV	712812	915739	12.11%	1.493%
11	6.939	820	824	829	rVB	68087	83546	1.11%	0.136%
12	7.228	863	873	879	rBV2	40538	101163	1.34%	0.165%
13	7.445	903	910	914	rBV	2482884	3330087	44.05%	5.431%
14	7.616	917	939	945	rVB	1150792	4582719	60.62%	7.474%
15	7.898	976	987	992	rBV	254319	523281	6.92%	0.853%
16	8.063	1010	1015	1022	rBV	324361	410650	5.43%	0.670%
17	8.163	1027	1032	1040	rVB	980069	1201205	15.89%	1.959%
18	8.498	1083	1089	1095	rBV4	138084	253954	3.36%	0.414%
19	8.551	1095	1098	1111	rVB2	62731	132409	1.75%	0.216%
20	9.239	1209	1215	1220	rBV	4783612	6079896	80.42%	9.916%
21	9.851	1305	1319	1325	rBV	1697857	4327346	57.24%	7.058%
22	9.916	1325	1330	1340	rVB	1133082	1430671	18.92%	2.333%
23	10.269	1385	1390	1397	rBV	129430	178799	2.37%	0.292%
24	10.704	1458	1464	1469	rBV	3291947	4216553	55.78%	6.877%
25	11.116	1529	1534	1538	rBV	146837	193096	2.55%	0.315%
26	11.404	1577	1583	1589	rBV	1045210	1376765	18.21%	2.245%
27	11.921	1666	1671	1678	rBV	235002	347634	4.60%	0.567%
28	12.633	1787	1792	1801	rBV	148146	250849	3.32%	0.409%
29	12.710	1801	1805	1812	rVV	104635	151972	2.01%	0.248%
30	12.986	1846	1852	1858	rBV	4816058	6390647	84.53%	10.423%
31	14.039	2026	2031	2036	rBV	885803	1169565	15.47%	1.907%
32	14.668	2134	2138	2144	rBV	115081	215199	2.85%	0.351%
33	15.509	2276	2281	2295	rVB	794405	1278493	16.91%	2.085%
34	17.286	2575	2583	2614	rVB	398983	1764690	23.34%	2.878%

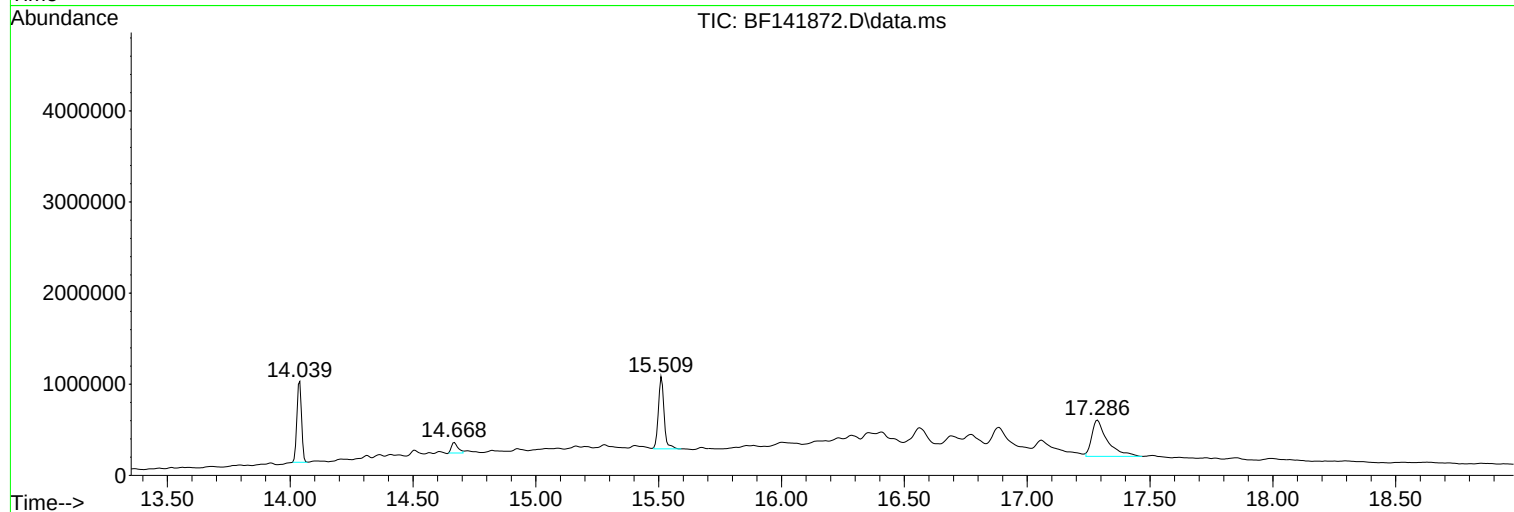
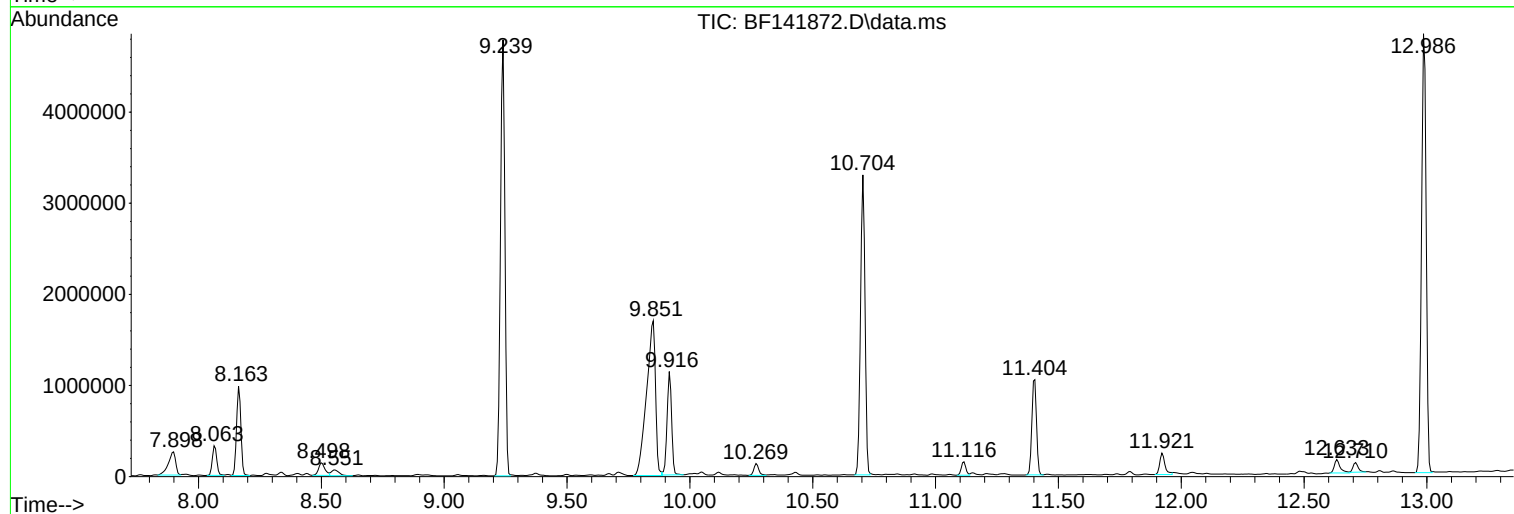
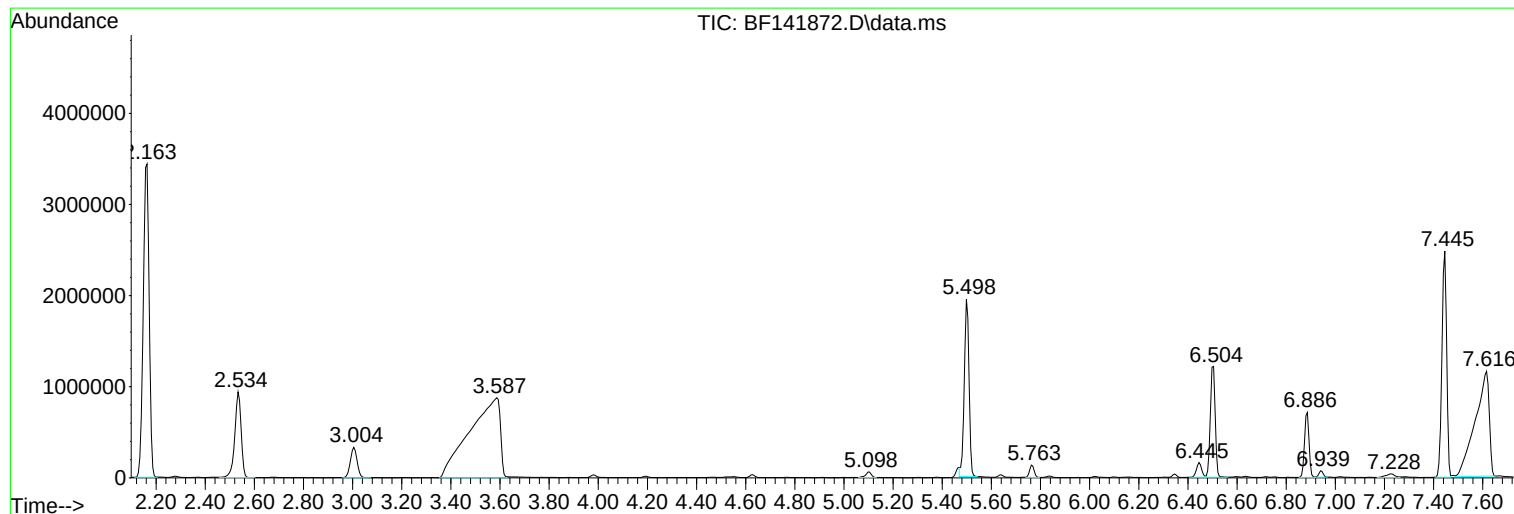
Sum of corrected areas: 61315369

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

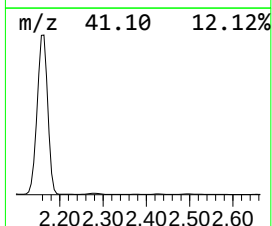
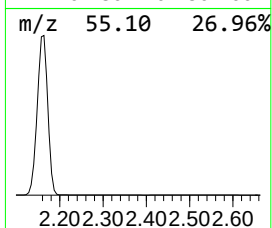
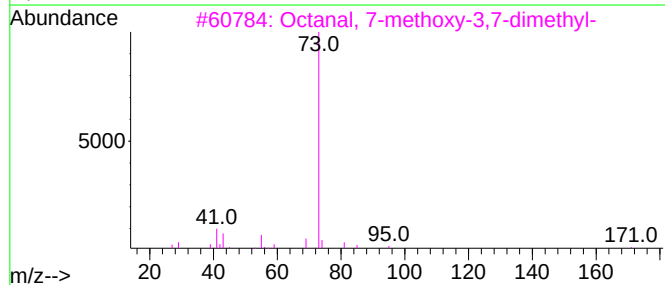
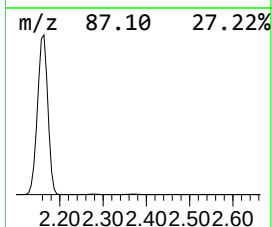
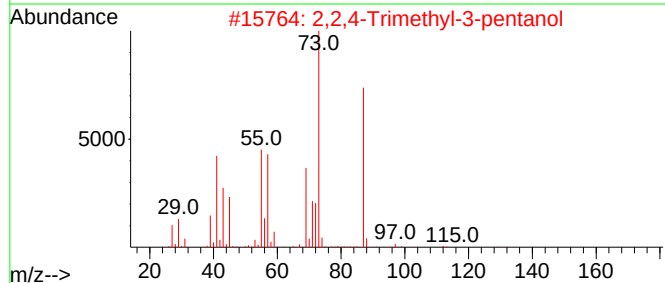
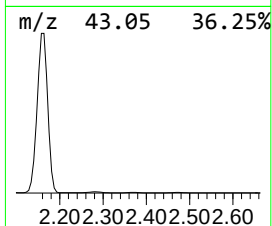
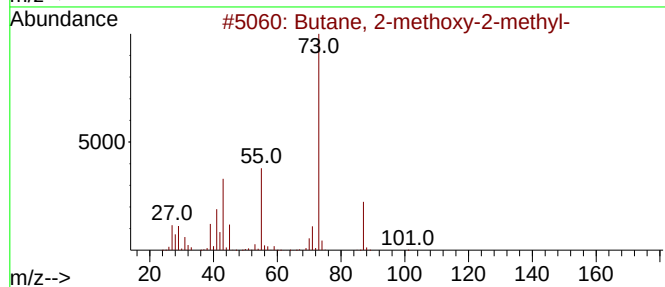
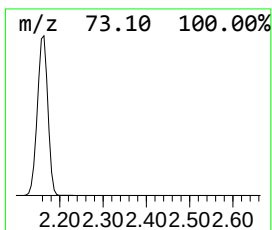
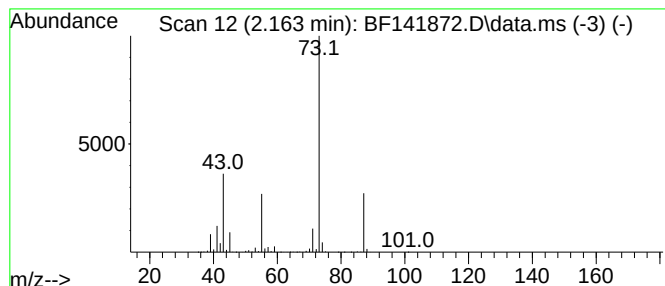
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	125.66 ng	5753440	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

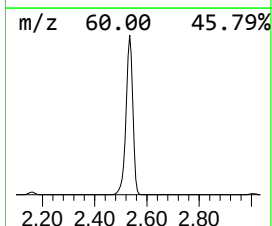
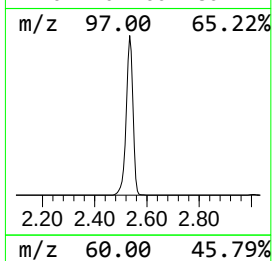
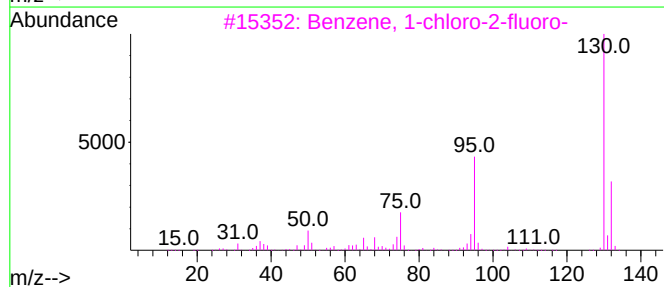
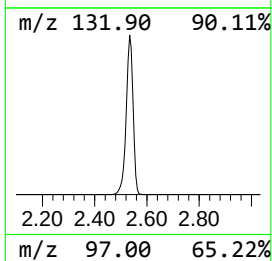
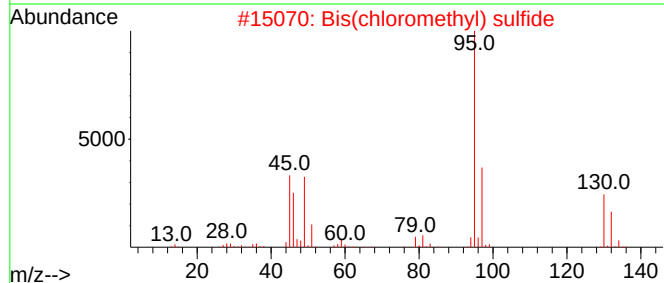
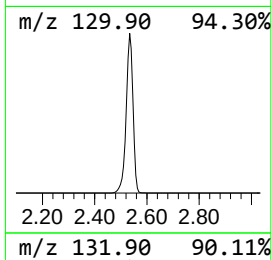
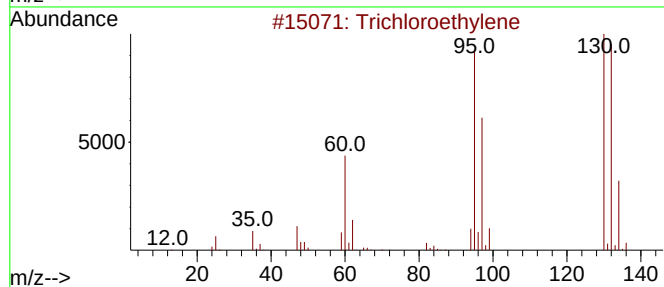
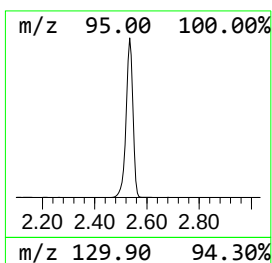
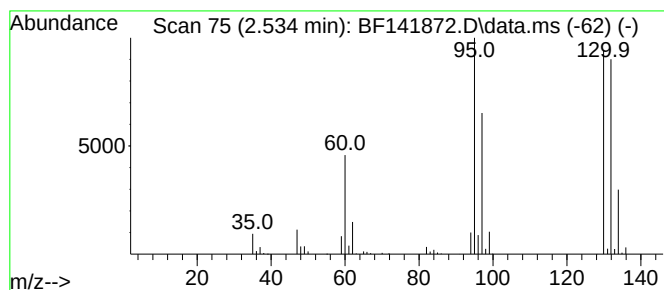
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Trichloroethylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.534	36.86 ng	1687920	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroethylene	130	C2HCl3	000079-01-6	99
2			Bis(chloromethyl) sulfide	130	C2H4Cl2S	003592-44-7	58
3			Benzene, 1-chloro-2-fluoro-	130	C6H4ClF	000348-51-6	25
4			Benzene, 1-chloro-4-fluoro-	130	C6H4ClF	000352-33-0	14
5			1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

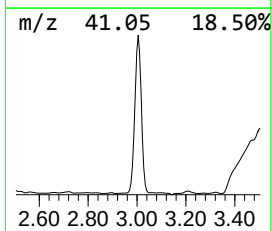
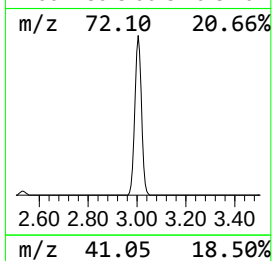
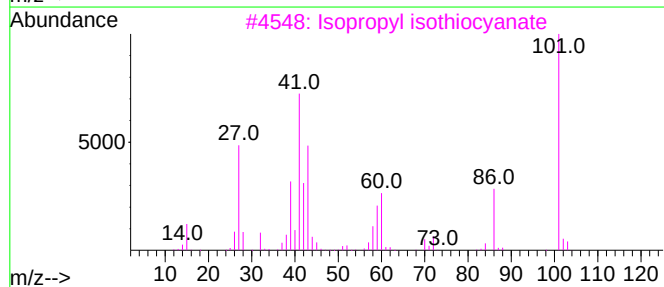
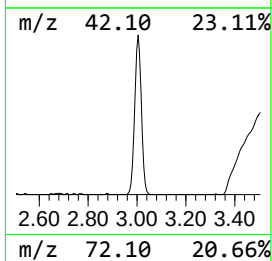
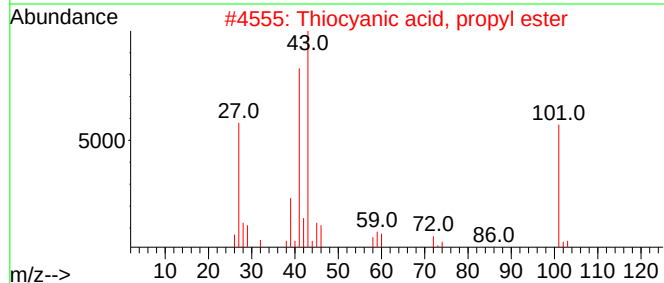
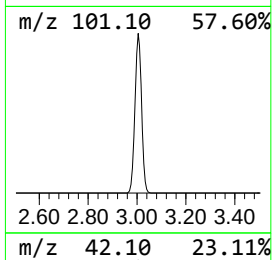
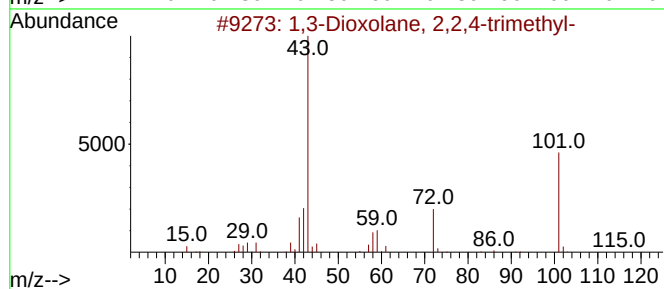
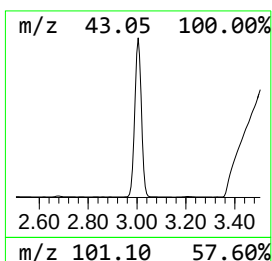
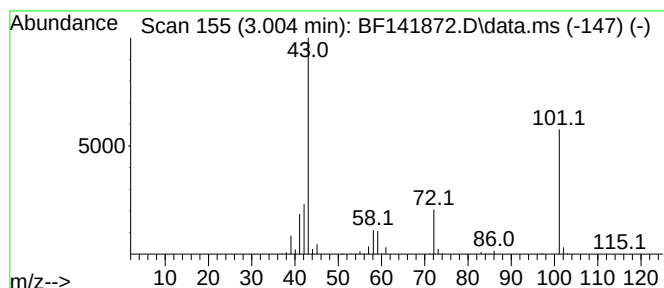
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,3-Dioxolane, 2,2,4-trimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.004	13.79 ng	631360	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dioxolane, 2,2,4-trimethyl-	116	C6H12O2	001193-11-9	90
2			Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	53
3			Isopropyl isothiocyanate	101	C4H7NS	002253-73-8	50
4			1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	50
5			Propane, 1-isothiocyanato-	101	C4H7NS	000628-30-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
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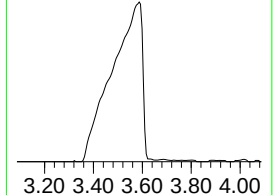
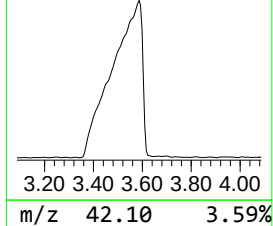
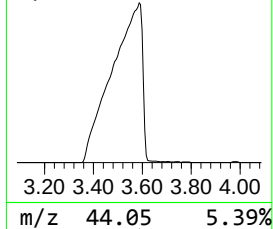
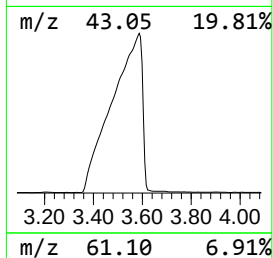
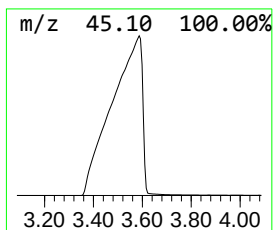
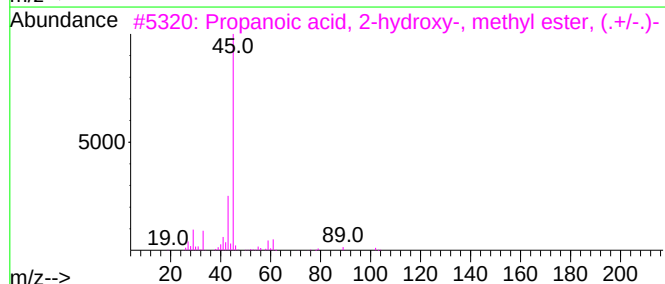
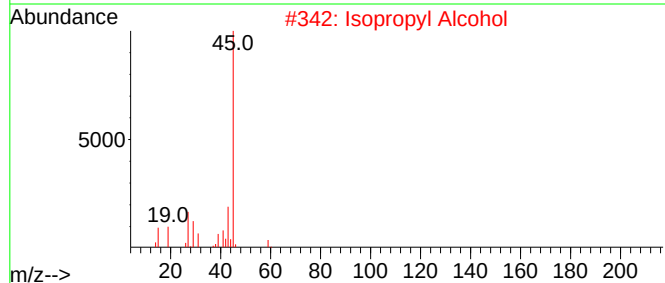
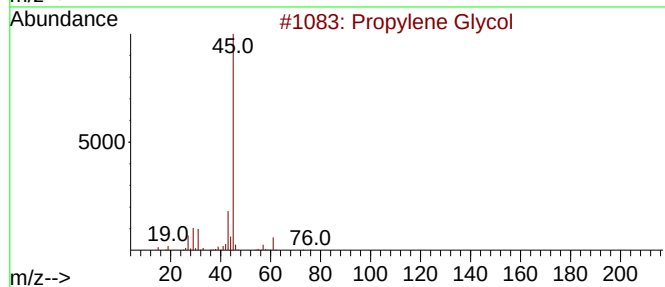
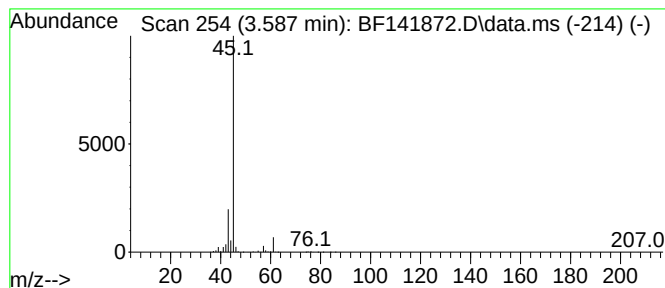
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Propylene Glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.587	165.11 ng	7559770	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	90
2			Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
4			(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	9
5			R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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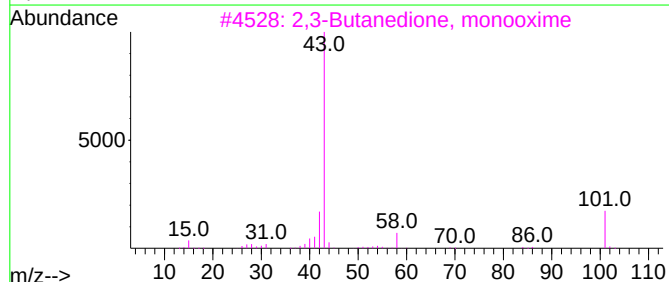
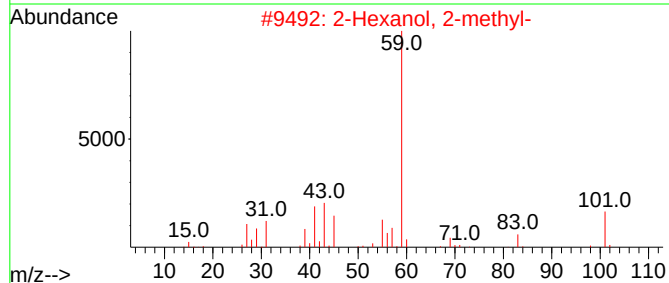
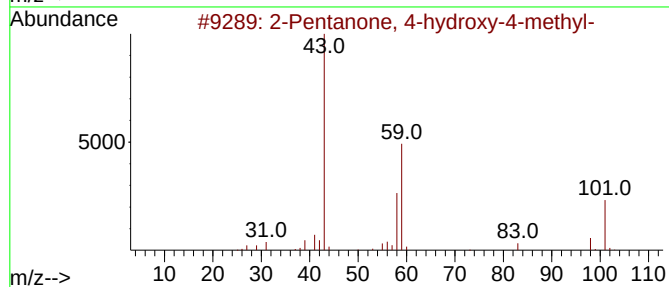
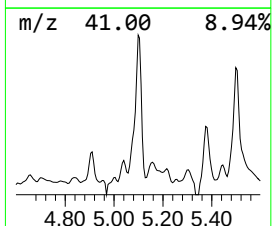
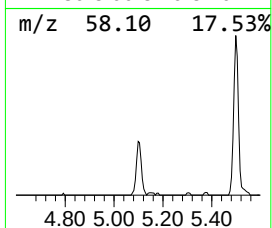
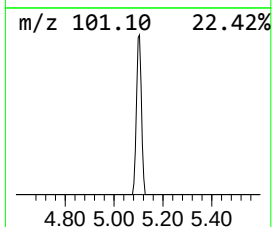
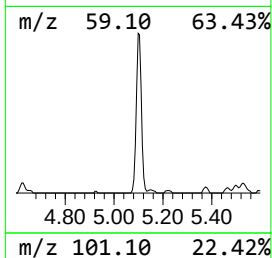
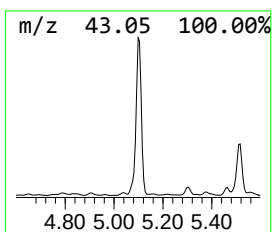
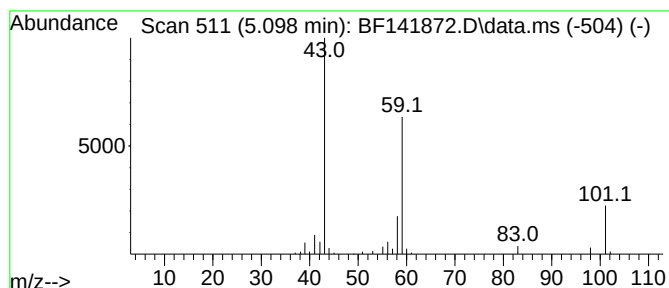
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.098	2.21 ng	101110	1,4-Dichlorobenzene-d4			6.886
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	53
3	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	25
4	Morpholine, 4-methyl-		101	C5H11NO	000109-02-4	9
5	4-Penten-2-one, 4-methyl-		98	C6H10O	003744-02-3	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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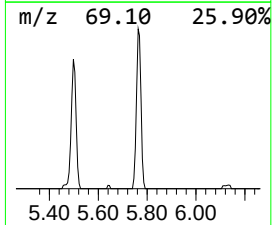
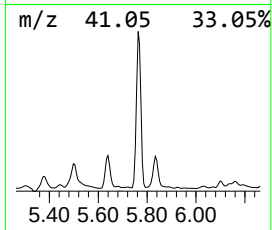
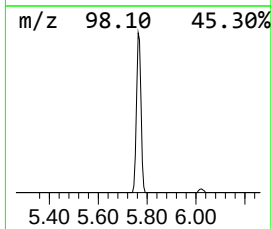
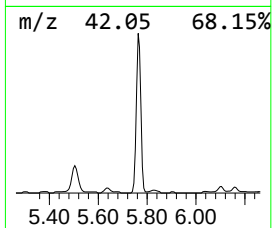
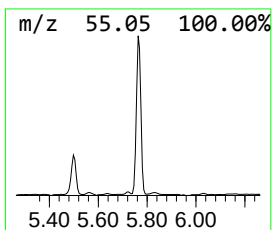
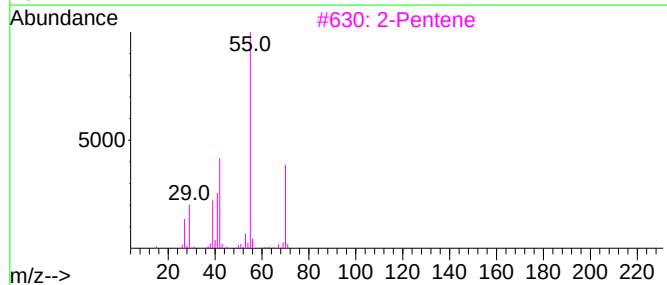
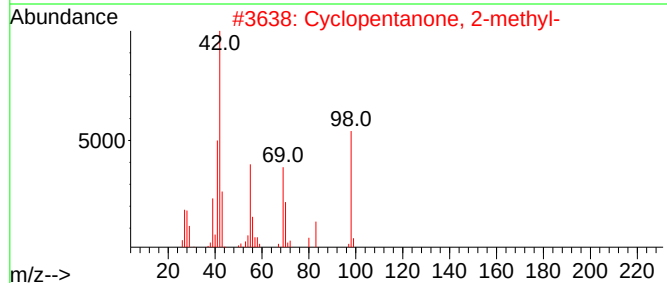
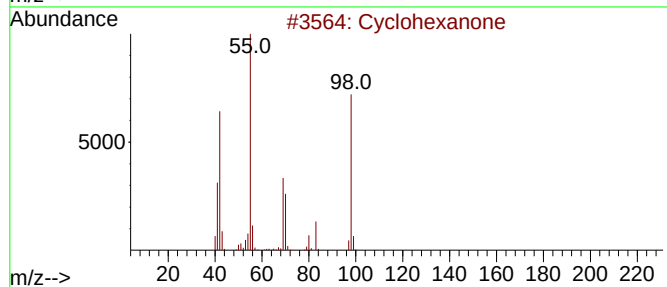
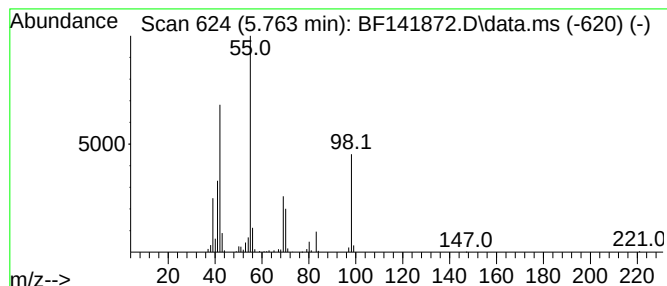
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexanone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.763	3.81 ng	174594	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone	98	C6H10O	000108-94-1	95
2			Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	72
3			2-Pentene	70	C5H10	000109-68-2	43
4			2-Pentene, (Z)-	70	C5H10	000627-20-3	43
5			Cyclohexane, methyl-	98	C7H14	000108-87-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
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Instrument :
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ClientSampleId :
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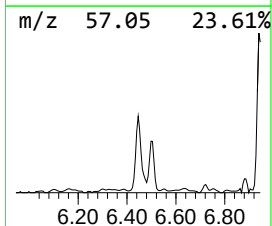
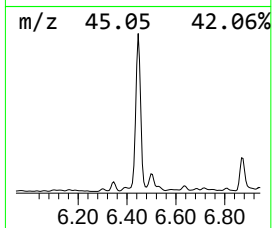
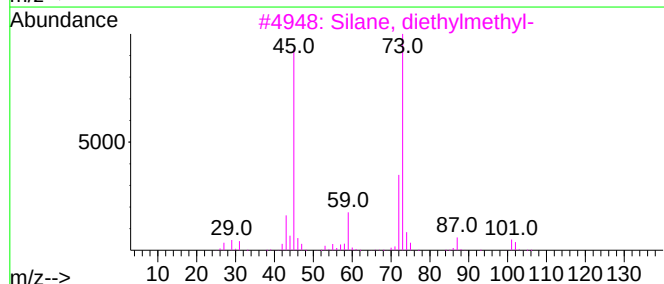
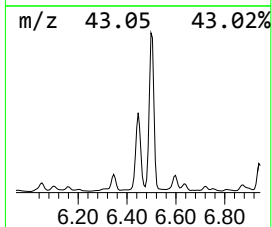
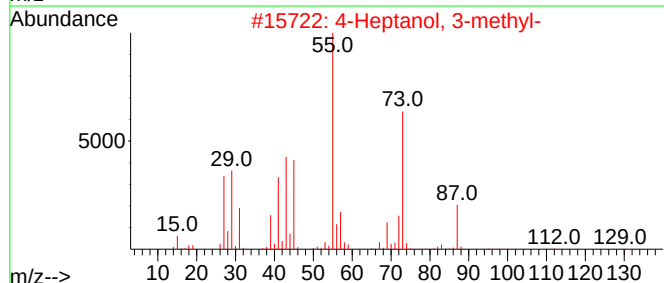
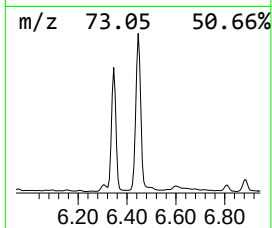
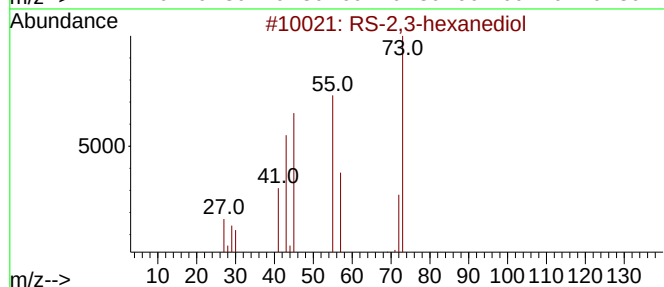
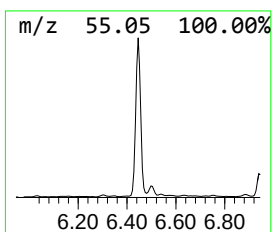
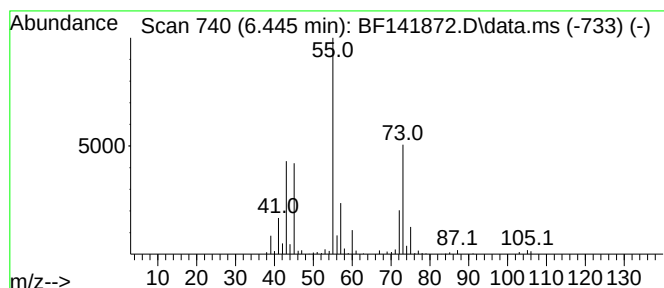
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown6.445 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.445	5.20 ng	237949	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	RS-2,3-hexanediol			118	C6H14O2	082360-67-6	38
2	4-Heptanol, 3-methyl-			130	C8H18O	001838-73-9	33
3	Silane, diethylmethyl-			102	C5H14Si	000760-32-7	28
4	1,3-Dioxan-5-ol			104	C4H8O3	004740-78-7	25
5	Methane, isothiocyanato-			73	C2H3NS	000556-61-6	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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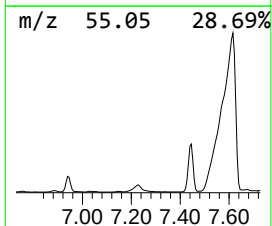
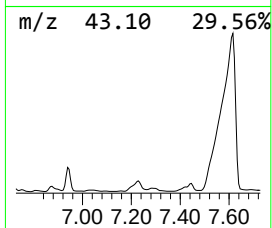
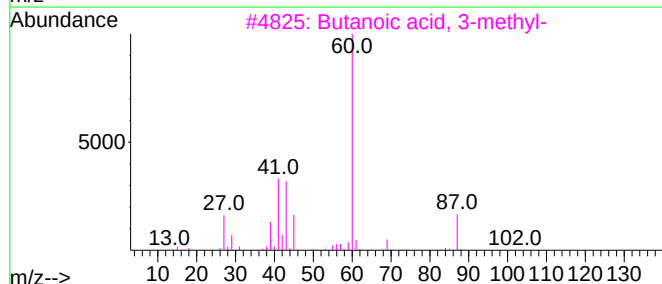
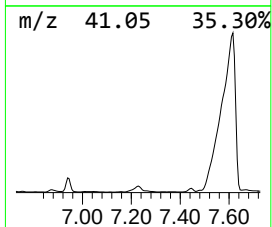
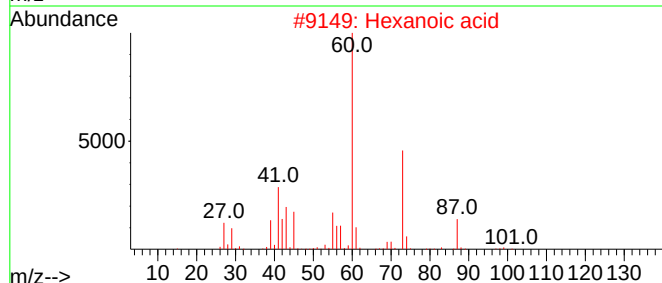
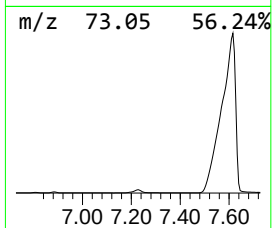
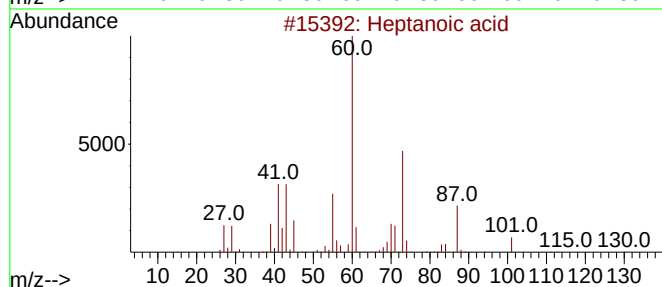
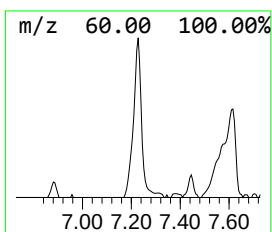
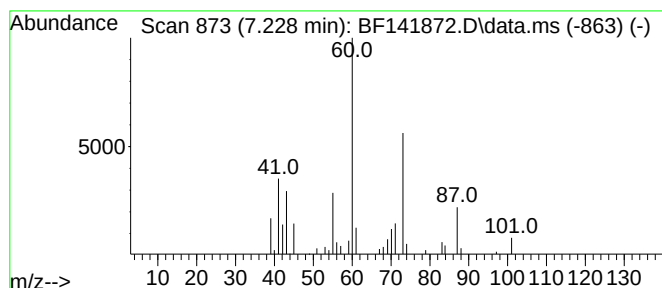
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heptanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.228	2.21 ng	101163	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptanoic acid	130	C7H14O2	000111-14-8	90
2			Hexanoic acid	116	C6H12O2	000142-62-1	64
3			Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	59
4			Pentanoic acid	102	C5H10O2	000109-52-4	59
5			Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	50



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ClientSampleId :
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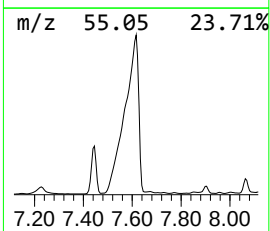
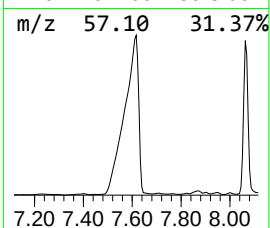
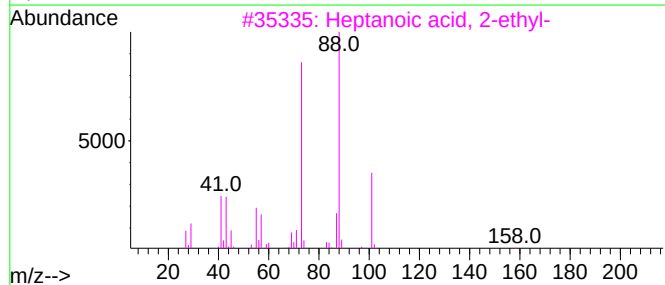
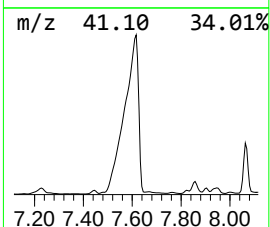
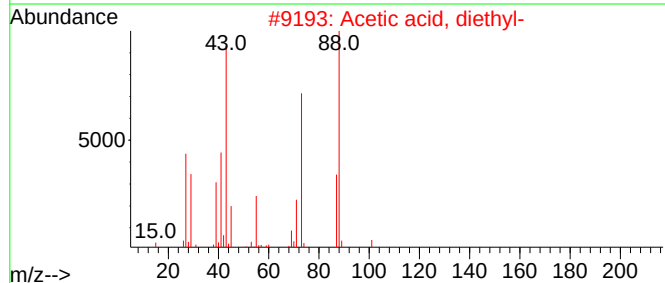
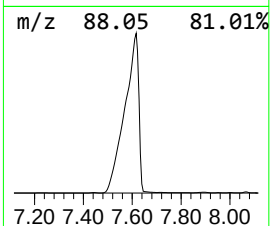
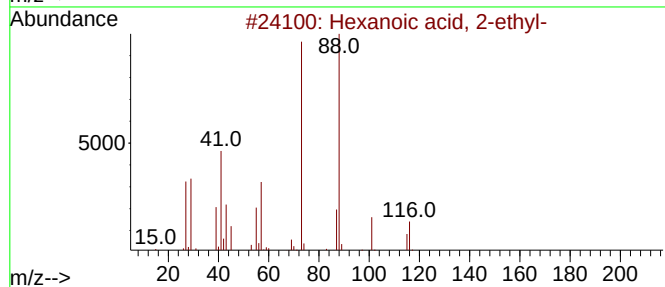
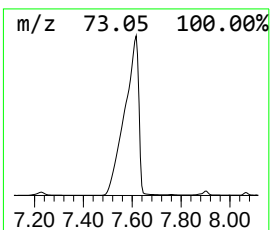
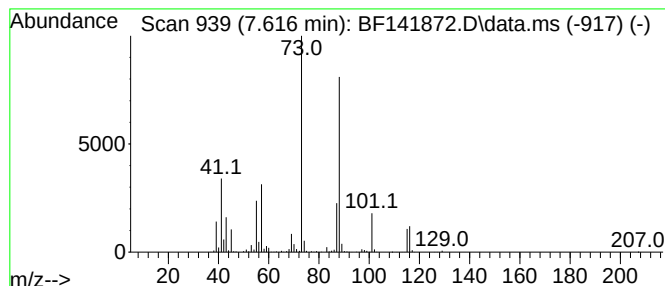
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Hexanoic acid, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.616	76.30 ng	4582720	Naphthalene-d8	8.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2			Acetic acid, diethyl-	116	C6H12O2	000088-09-5	59
3			Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	45
4			Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
5			Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

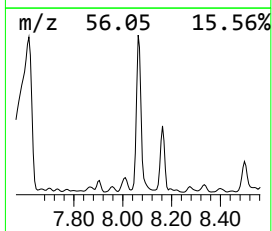
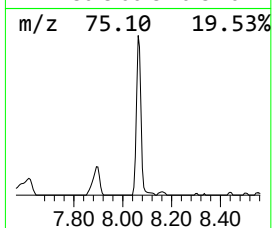
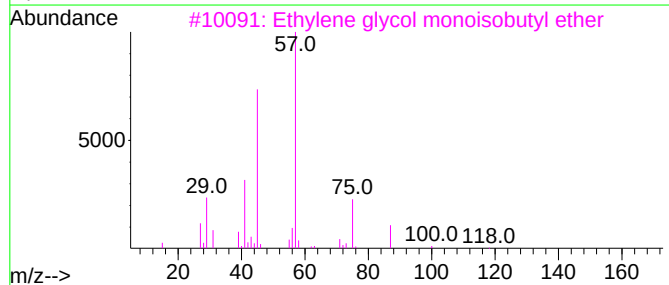
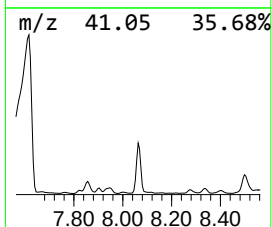
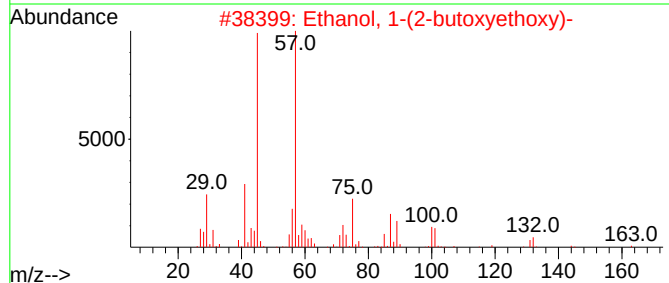
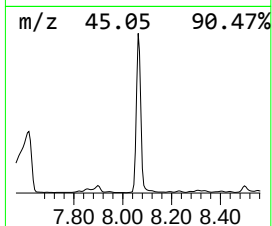
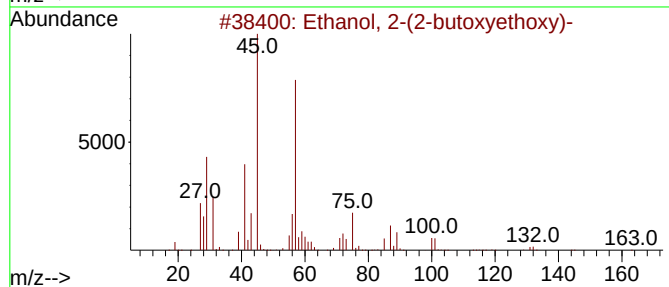
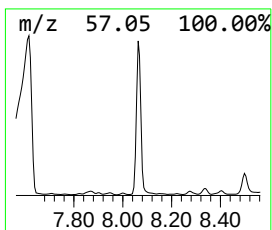
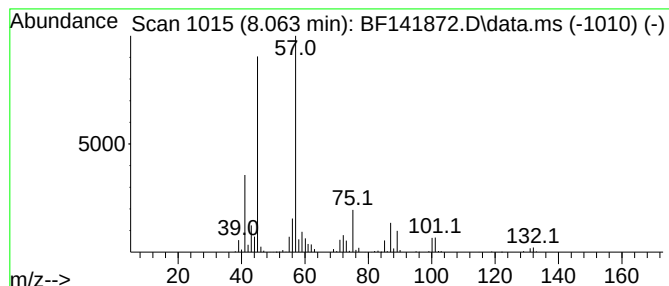
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.063	6.84 ng	410650	Naphthalene-d8	8.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3			Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5			Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
IDW-AQ-IW-01-COMP-022825

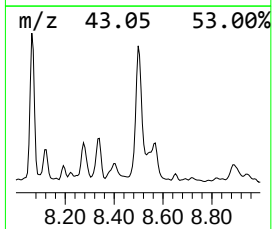
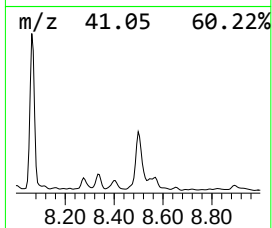
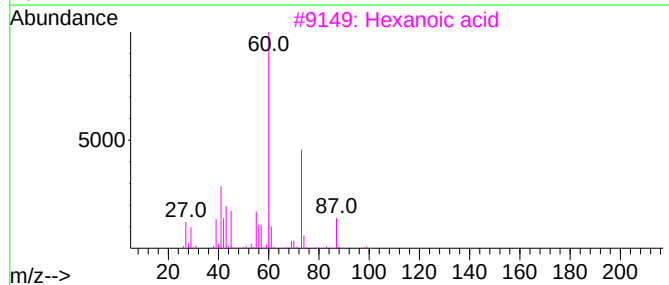
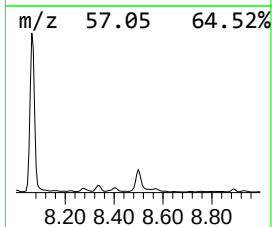
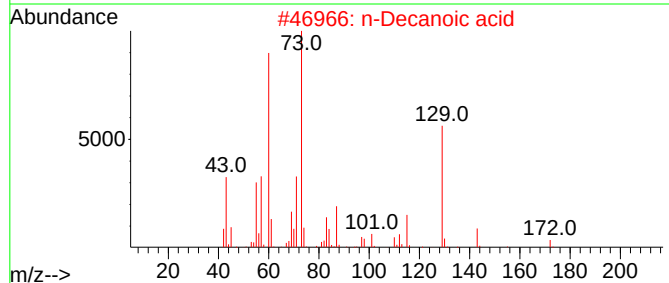
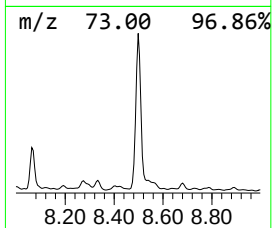
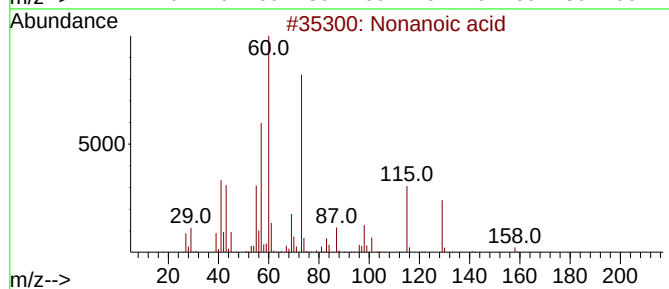
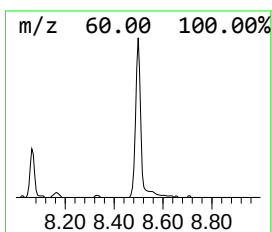
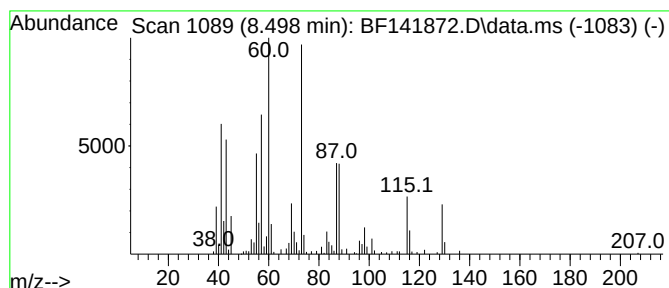
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Nonanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.498	4.23 ng	253954	Naphthalene-d8	8.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanoic acid	158	C9H18O2	000112-05-0	52
2			n-Decanoic acid	172	C10H20O2	000334-48-5	43
3			Hexanoic acid	116	C6H12O2	000142-62-1	43
4			Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	38
5			L-Serine, methyl ester	119	C4H9NO3	002788-84-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
IDW-AQ-IW-01-COMP-022825

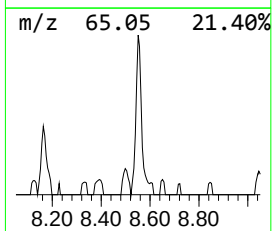
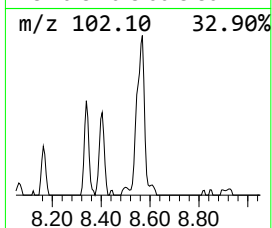
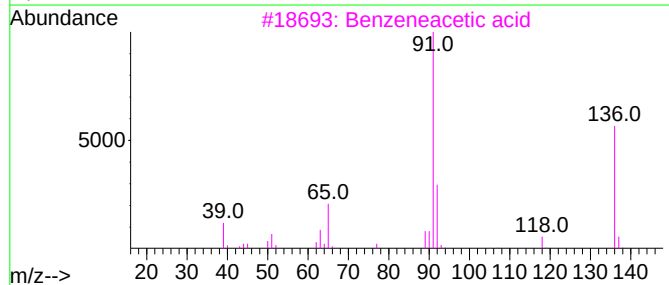
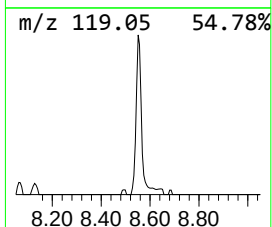
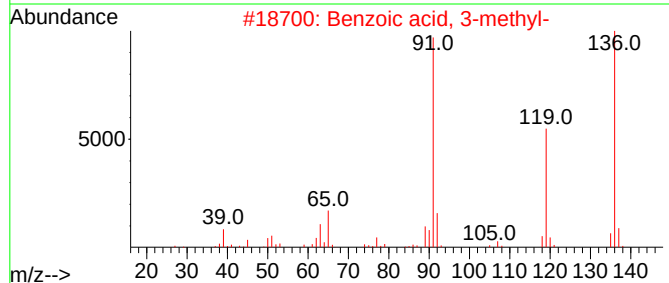
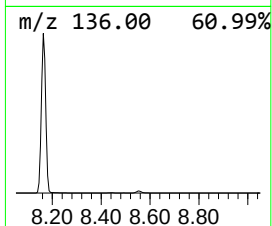
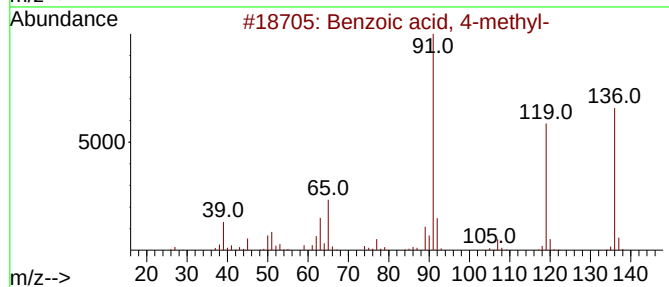
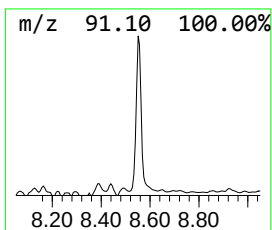
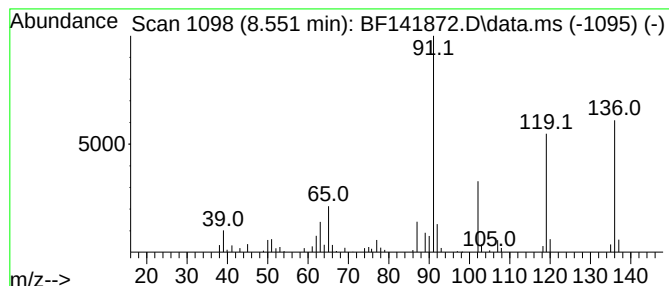
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzoic acid, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.551	2.20 ng	132409	Naphthalene-d8	8.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	96
2			Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	68
3			Benzeneacetic acid	136	C8H8O2	000103-82-2	45
4			Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	43
5			Ethanone, 2,2-dichloro-1-(4-meth...	202	C9H8Cl2O	004974-59-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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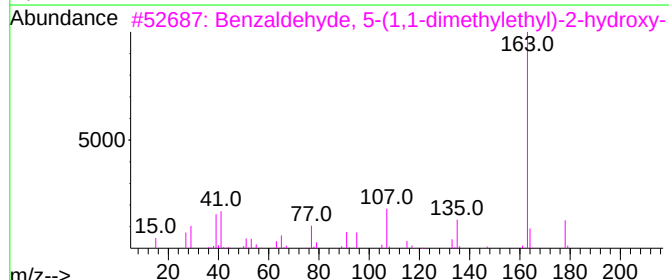
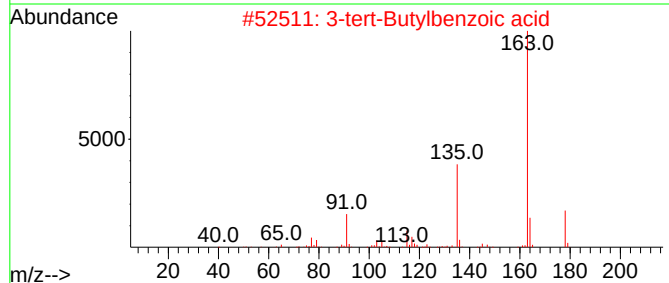
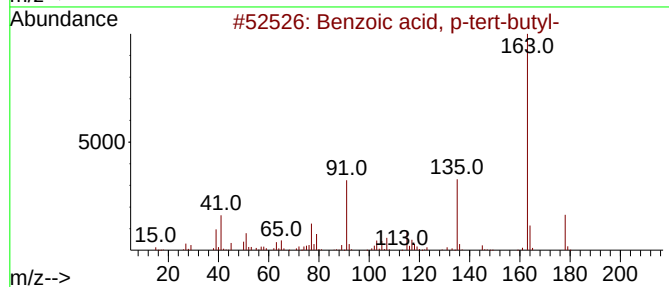
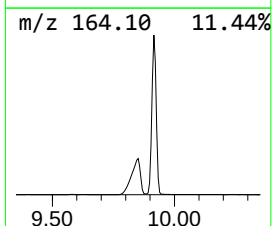
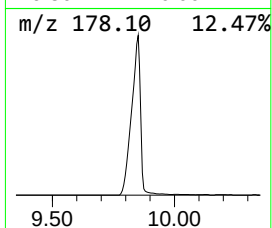
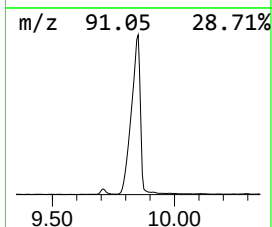
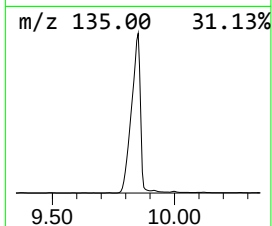
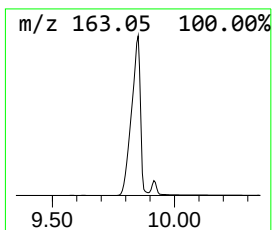
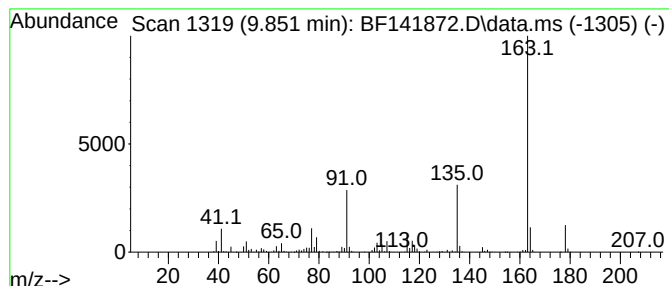
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzoic acid, p-tert-butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.851	60.49 ng	4327350	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	96
2			3-tert-Butylbenzoic acid	178	C11H14O2	007498-54-6	94
3			Benzaldehyde, 5-(1,1-dimethyleth...	178	C11H14O2	002725-53-3	72
4			Propofol	178	C12H18O	002078-54-8	59
5			Benzoic acid, 4-acetyl-, methyl ...	178	C10H10O3	003609-53-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
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Sample : Q1478-03
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ALS Vial : 16 Sample Multiplier: 1

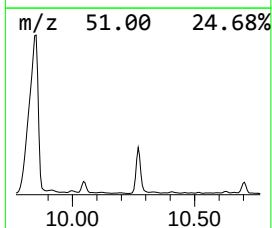
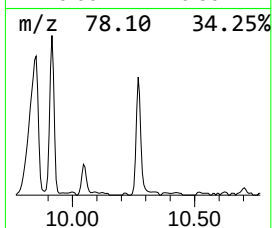
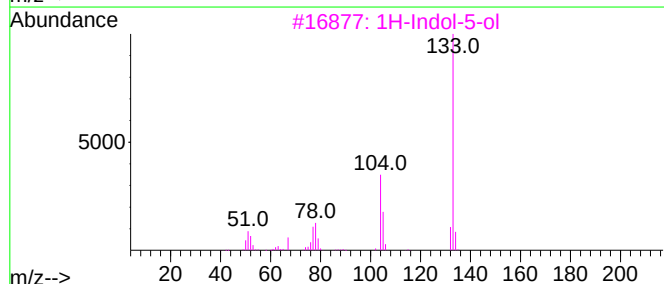
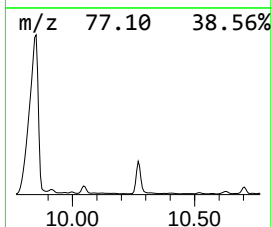
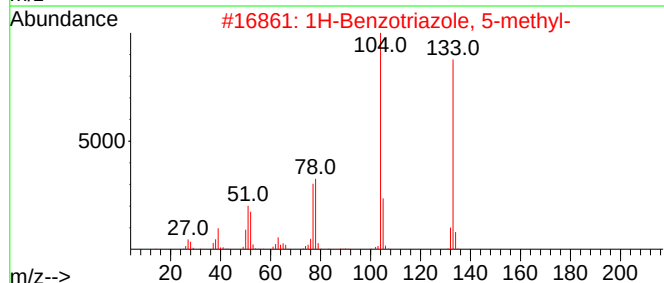
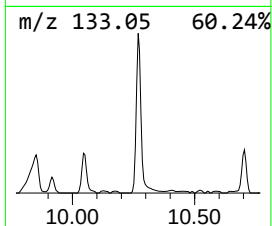
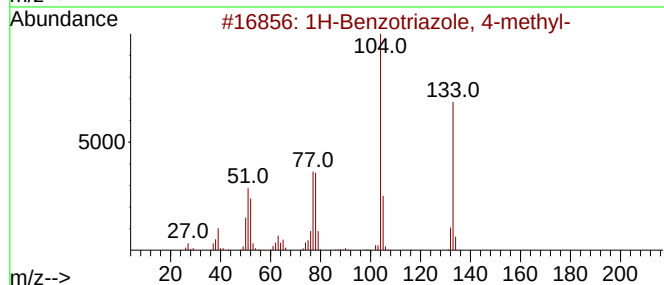
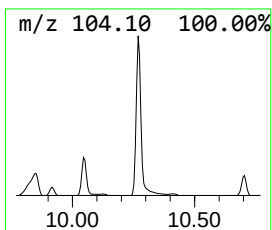
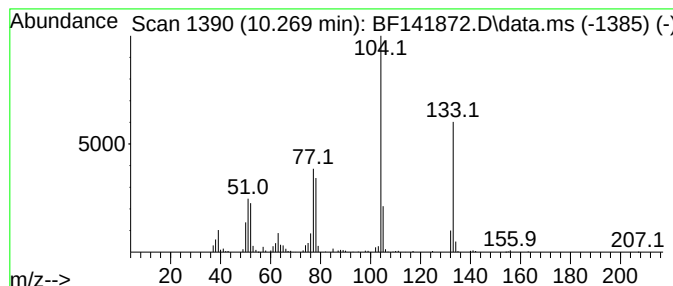
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1H-Benzotriazole, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.269	2.50 ng	178799	Acenaphthene-d10			9.916
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	98
2		1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	97
3		1H-Indol-5-ol	133	C8H7NO	001953-54-4	80
4		Benzene, 1-azido-2-methyl-	133	C7H7N3	031656-92-5	64
5		2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
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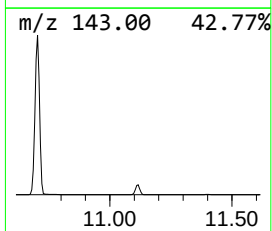
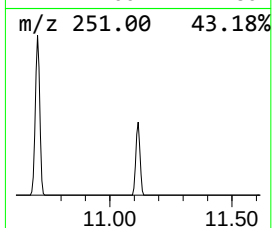
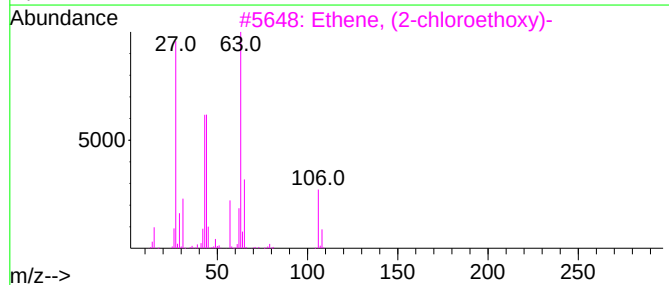
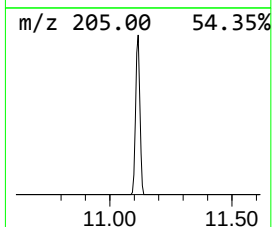
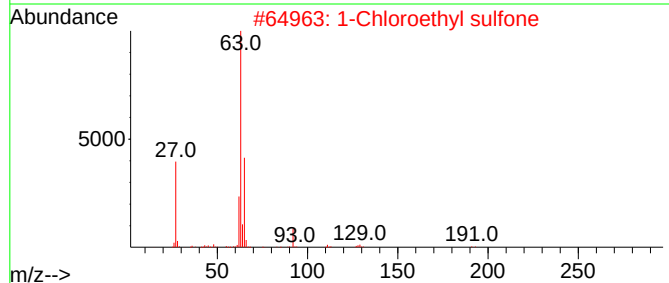
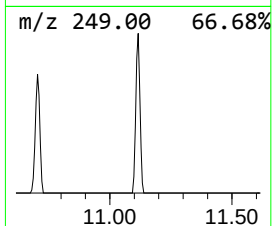
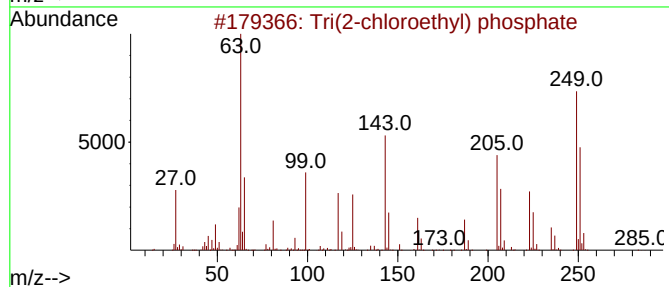
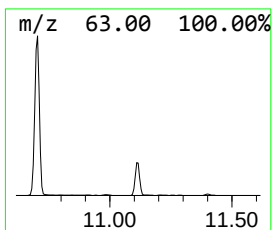
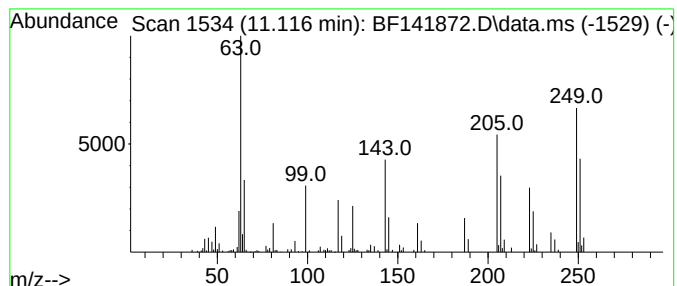
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Tri(2-chloroethyl) phosphate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	2.81 ng	193096	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	95
2		1-Chloroethyl sulfone	190	C4H8Cl2O2S	010038-07-0	47
3		Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	47
4		Oxalyl chloride	126	C2Cl2O2	000079-37-8	43
5		Ethanol, 2-chloro-, phosphite (3:1)	268	C6H12Cl3O3P	000140-08-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

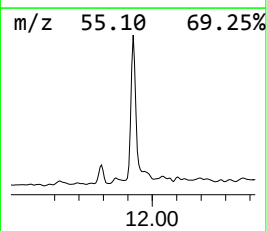
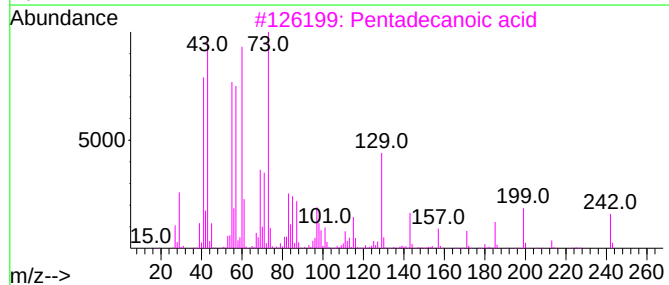
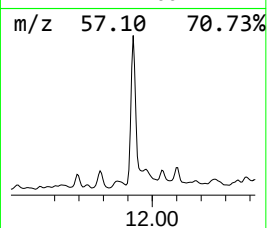
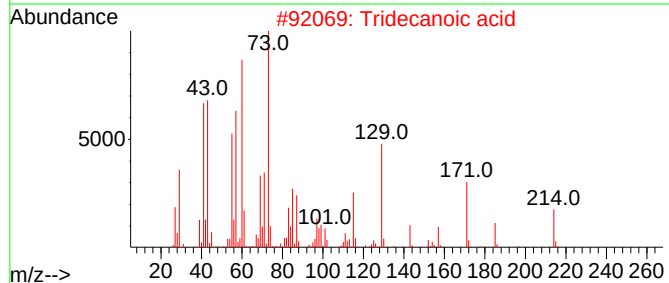
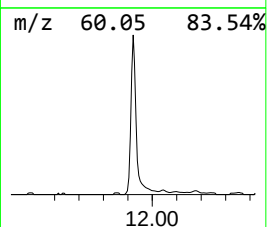
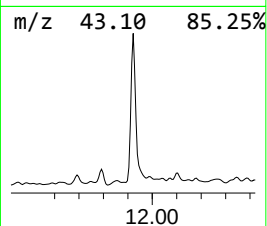
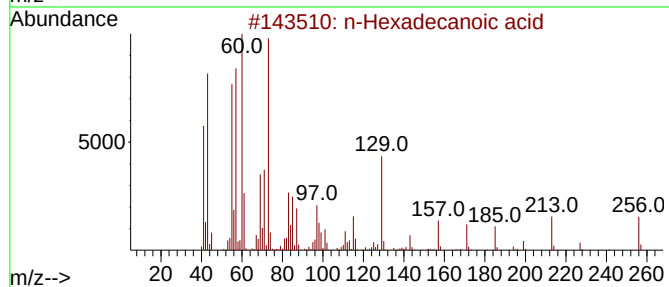
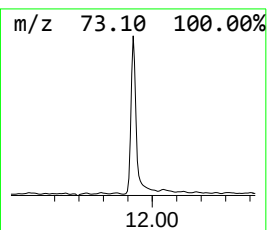
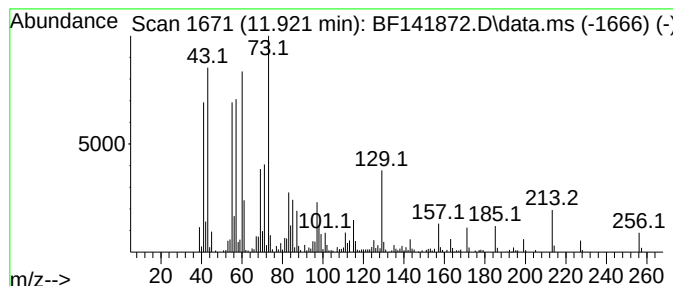
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	5.05 ng	347634	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	95
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5		n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

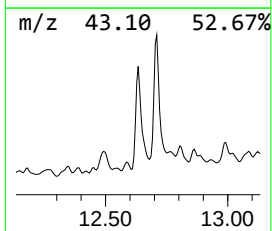
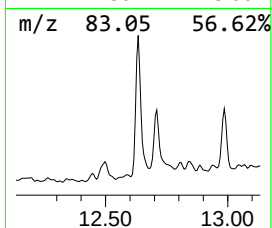
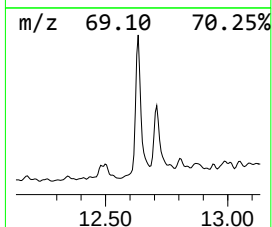
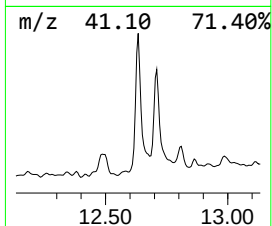
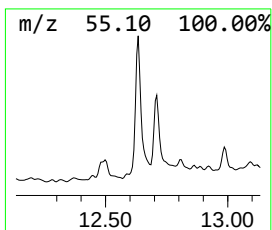
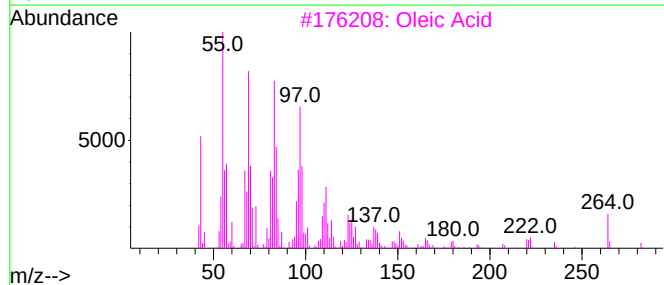
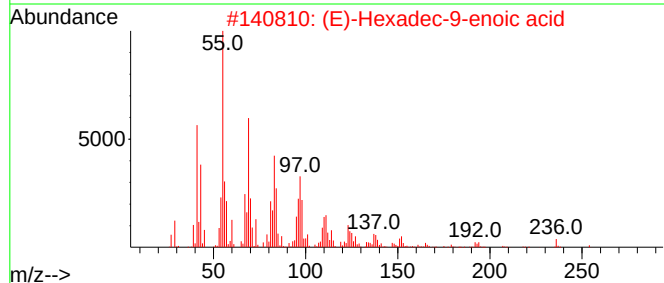
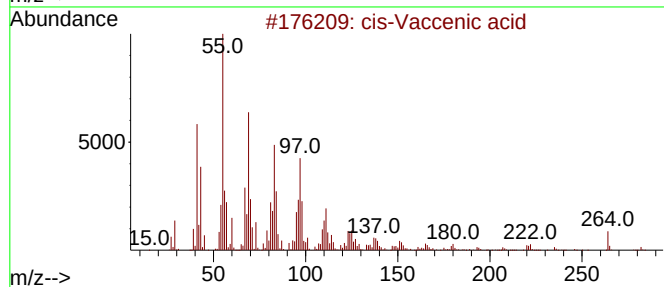
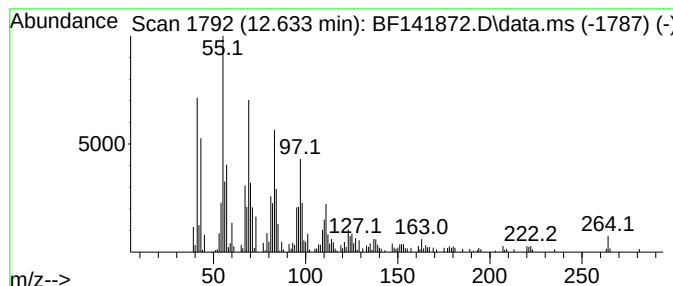
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 cis-Vaccenic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	3.64 ng	250849	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-Vaccenic acid	282	C18H34O2	000506-17-2	94
2		(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	87
3		Oleic Acid	282	C18H34O2	000112-80-1	83
4		Palmitoleic acid	254	C16H30O2	000373-49-9	83
5		trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

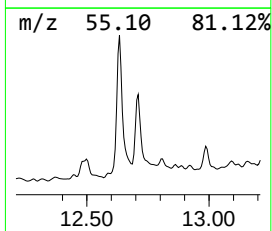
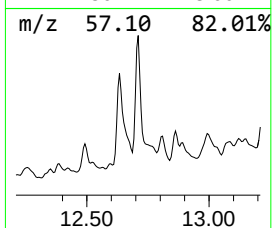
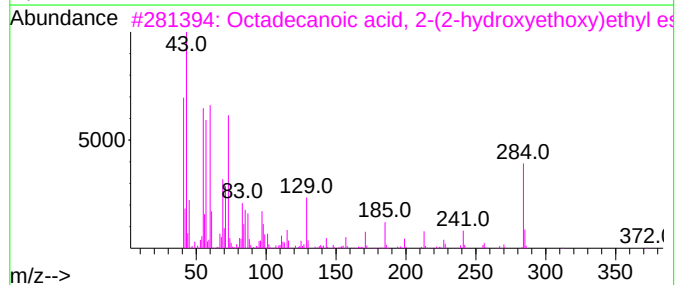
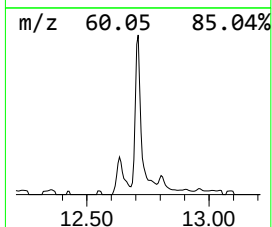
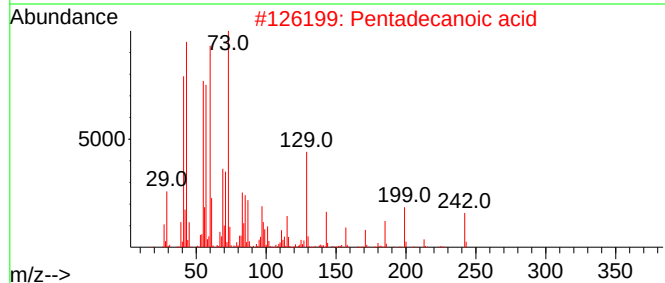
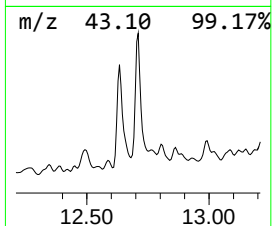
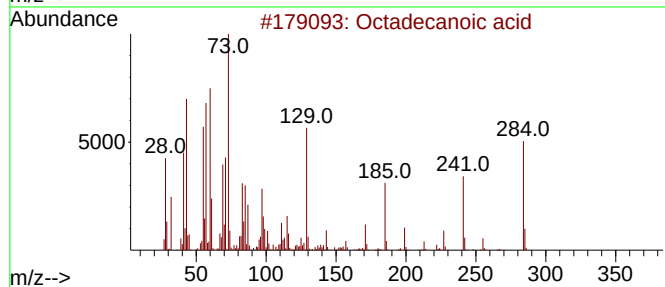
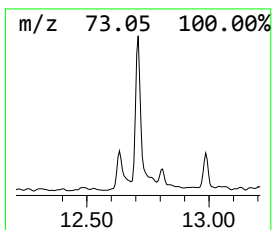
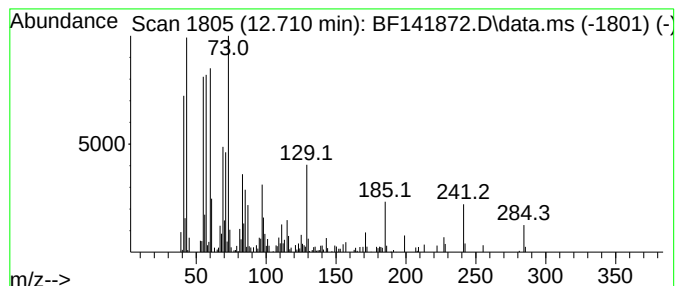
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	2.21 ng	151972	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

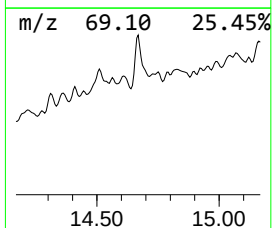
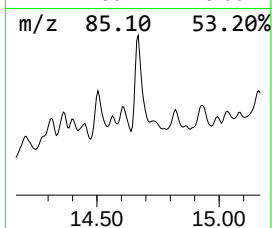
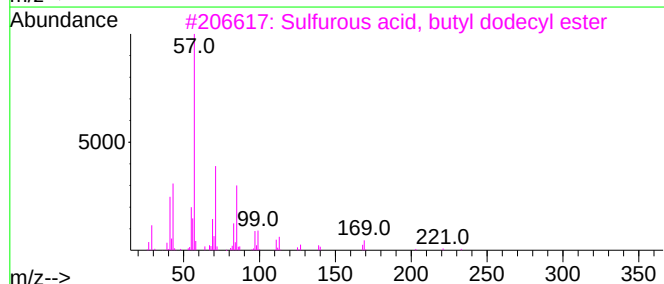
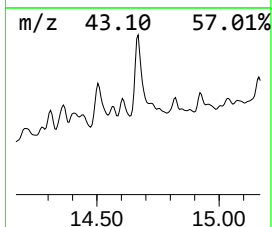
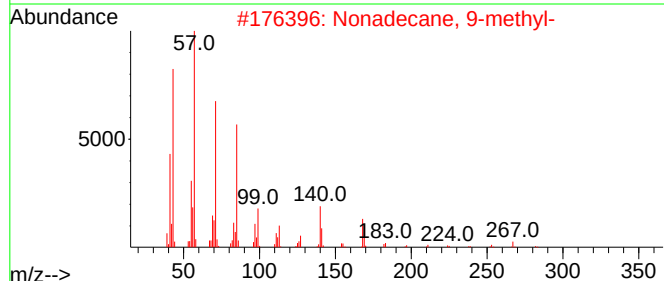
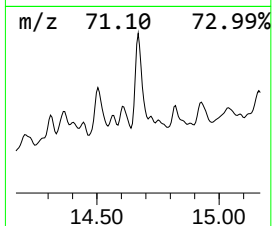
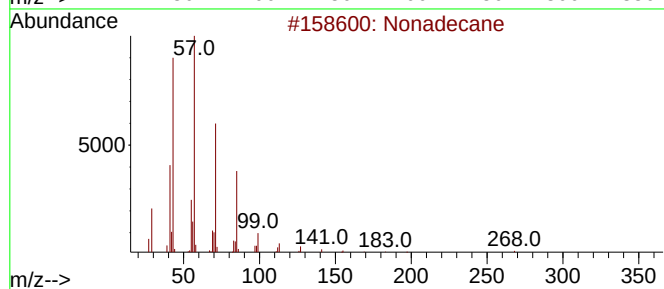
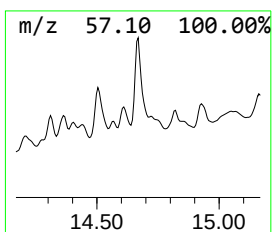
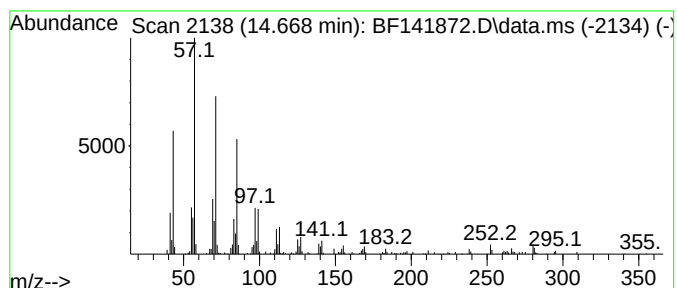
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.668	3.68 ng	215199	Chrysene-d12	14.039	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	91
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	91
4	Tetracosane	338	C24H50	000646-31-1	87
5	Hentriacontane	437	C31H64	000630-04-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

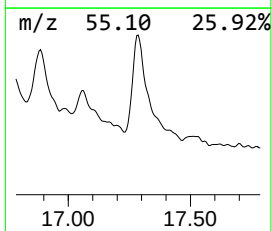
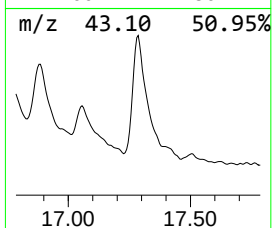
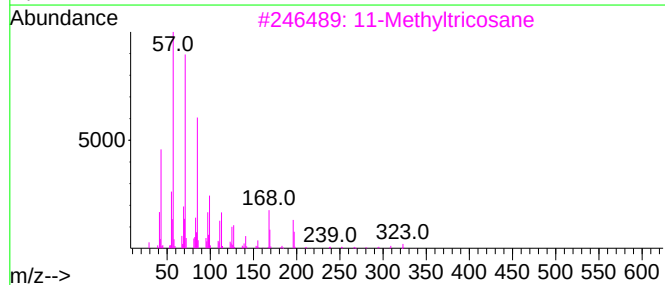
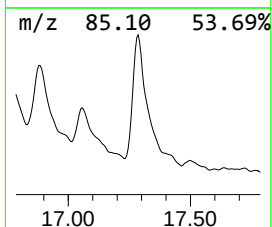
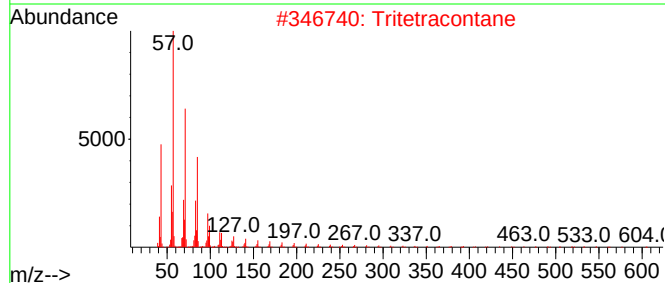
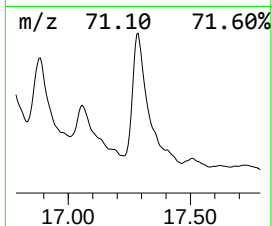
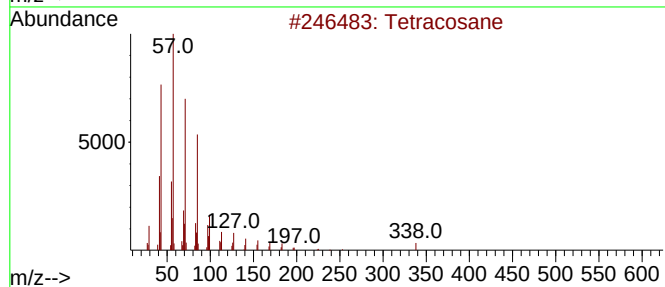
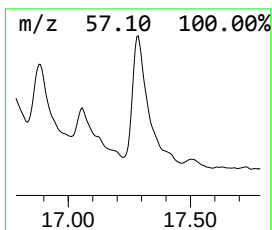
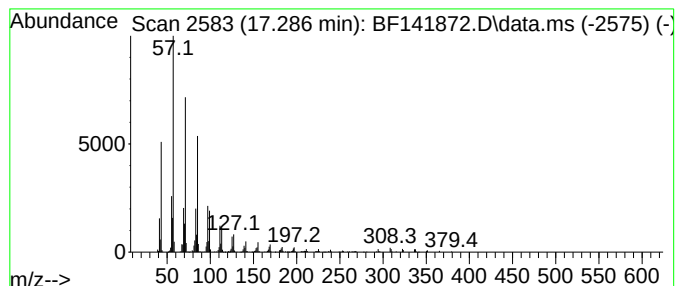
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.286	27.61 ng	1764690	Perylene-d12	15.509

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	91
2		Tritetracontane	605	C43H88	007098-21-7	90
3		11-Methyltricosane	338	C24H50	027538-41-6	89
4		Tetratetracontane	619	C44H90	007098-22-8	87
5		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141872.D
Acq On : 06 Mar 2025 16:59
Operator : RC/JU
Sample : Q1478-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-01-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.163	125.7	ng	5753440	1	6.886	915739	20.0
Trichloroethylene	2.534	36.9	ng	1687920	1	6.886	915739	20.0
1,3-Dioxolane, ...	3.004	13.8	ng	631360	1	6.886	915739	20.0
Propylene Glycol	3.587	165.1	ng	7559770	1	6.886	915739	20.0
2-Pentanone, 4-...	5.098	2.2	ng	101110	1	6.886	915739	20.0
Cyclohexanone	5.763	3.8	ng	174594	1	6.886	915739	20.0
unknown6.445	6.445	5.2	ng	237949	1	6.886	915739	20.0
Heptanoic acid	7.228	2.2	ng	101163	1	6.886	915739	20.0
Hexanoic acid, ...	7.616	76.3	ng	4582720	2	8.163	1201210	20.0
Ethanol, 2-(2-b...	8.063	6.8	ng	410650	2	8.163	1201210	20.0
Nonanoic acid	8.498	4.2	ng	253954	2	8.163	1201210	20.0
Benzoic acid, 4...	8.551	2.2	ng	132409	2	8.163	1201210	20.0
Benzoic acid, p...	9.851	60.5	ng	4327350	3	9.916	1430670	20.0
1H-Benzotriazol...	10.269	2.5	ng	178799	3	9.916	1430670	20.0
Tri(2-chloroeth...	11.116	2.8	ng	193096	4	11.404	1376770	20.0
n-Hexadecanoic ...	11.922	5.0	ng	347634	4	11.404	1376770	20.0
cis-Vaccenic acid	12.633	3.6	ng	250849	4	11.404	1376770	20.0
Octadecanoic acid	12.710	2.2	ng	151972	4	11.404	1376770	20.0
Nonadecane	14.668	3.7	ng	215199	5	14.039	1169570	20.0
Tetracosane	17.286	27.6	ng	1764690	6	15.509	1278490	20.0

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-AQ-IW-02-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141869.D	1	03/05/25 08:35	03/06/25 15:30	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.30	U	4.30	10.6	ug/L
108-95-2	Phenol	0.99	U	0.99	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.30	U	1.30	5.30	ug/L
95-57-8	2-Chlorophenol	0.76	U	0.76	5.30	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.30	ug/L
98-86-2	Acetophenone	1.20	U	1.20	5.30	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.60	U	1.60	2.70	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.30	ug/L
98-95-3	Nitrobenzene	1.40	U	1.40	5.30	ug/L
78-59-1	Isophorone	1.20	U	1.20	5.30	ug/L
88-75-5	2-Nitrophenol	2.10	U	2.10	5.30	ug/L
105-67-9	2,4-Dimethylphenol	1.60	U	1.60	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.10	U	1.10	5.30	ug/L
120-83-2	2,4-Dichlorophenol	0.94	U	0.94	5.30	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.30	ug/L
106-47-8	4-Chloroaniline	1.40	UQ	1.40	5.30	ug/L
87-68-3	Hexachlorobutadiene	1.40	U	1.40	5.30	ug/L
105-60-2	Caprolactam	1.80	U	1.80	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	0.89	U	0.89	5.30	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	5.30	U	5.30	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	0.95	U	0.95	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.30	ug/L
92-52-4	1,1-Biphenyl	0.97	U	0.97	5.30	ug/L
91-58-7	2-Chloronaphthalene	1.00	U	1.00	5.30	ug/L
88-74-4	2-Nitroaniline	1.50	U	1.50	5.30	ug/L
131-11-3	Dimethylphthalate	0.99	U	0.99	5.30	ug/L

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-AQ-IW-02-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141869.D	1	03/05/25 08:35	03/06/25 15:30	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.10	U	1.10	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	1.30	U	1.30	5.30	ug/L
99-09-2	3-Nitroaniline	1.50	UQ	1.50	5.30	ug/L
83-32-9	Acenaphthene	0.86	U	0.86	5.30	ug/L
51-28-5	2,4-Dinitrophenol	6.80	U	6.80	10.6	ug/L
100-02-7	4-Nitrophenol	2.10	U	2.10	10.6	ug/L
132-64-9	Dibenzofuran	0.99	U	0.99	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.30	ug/L
84-66-2	Diethylphthalate	1.10	U	1.10	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1.00	5.30	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.30	ug/L
100-01-6	4-Nitroaniline	2.20	U	2.20	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.30	U	3.30	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	0.95	U	0.95	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	1.00	U	1.00	5.30	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.30	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.30	ug/L
87-86-5	Pentachlorophenol	2.00	U	2.00	10.6	ug/L
85-01-8	Phenanthrene	0.95	U	0.95	5.30	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.30	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.30	ug/L
84-74-2	Di-n-butylphthalate	1.60	U	1.60	5.30	ug/L
206-44-0	Fluoranthene	1.40	U	1.40	5.30	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.30	ug/L
85-68-7	Butylbenzylphthalate	2.20	U	2.20	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	1.40	UQ	1.40	10.6	ug/L
56-55-3	Benzo(a)anthracene	1.00	U	1.00	5.30	ug/L
218-01-9	Chrysene	0.91	U	0.91	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.30	ug/L
117-84-0	Di-n-octyl phthalate	2.70	U	2.70	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.30	ug/L

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-AQ-IW-02-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141869.D	1	03/05/25 08:35	03/06/25 15:30	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.30	U	1.30	5.30	ug/L
50-32-8	Benzo(a)pyrene	1.80	U	1.80	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	1.30	U	1.30	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20	U	1.20	5.30	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.84	U	0.84	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	75.9		15 (10) - 110 (139)	51%	SPK: 150
13127-88-3	Phenol-d6	44.8		15 (10) - 110 (134)	30%	SPK: 150
4165-60-0	Nitrobenzene-d5	141	*	30 (49) - 130 (133)	141%	SPK: 100
321-60-8	2-Fluorobiphenyl	120		30 (52) - 130 (132)	120%	SPK: 100
118-79-6	2,4,6-Tribromophenol	222	*	15 (44) - 110 (137)	148%	SPK: 150
1718-51-0	Terphenyl-d14	109		30 (48) - 130 (125)	109%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.886			
1146-65-2	Naphthalene-d8	573000	8.163			
15067-26-2	Acenaphthene-d10	305000	9.916			
1517-22-2	Phenanthrene-d10	526000	11.404			
1719-03-5	Chrysene-d12	408000	14.039			
1520-96-3	Perylene-d12	419000	15.509			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	140	J		2.16	ug/L
000079-01-6	Trichloroethylene	34.2	J		2.53	ug/L
000057-55-6	Propylene Glycol	4.00	J		3.38	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.10	A		5.10	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	3.70	J		8.06	ug/L
000119-61-9	Benzophenone	5.10	J		10.6	ug/L
000115-96-8	Tri(2-chloroethyl) phosphate	9.70	J		11.1	ug/L

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-AQ-IW-02-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141869.D	1	03/05/25 08:35	03/06/25 15:30	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	8.20	J		11.9	ug/L
000057-11-4	Octadecanoic acid	3.40	J		12.7	ug/L
007683-64-9	Supraene	2.40	J		14.9	ug/L

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\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

Quant Time: Mar 06 16:10:44 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	149239	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	572947	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	305084	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	525653	20.000	ng	0.00
76) Chrysene-d12	14.039	240	408038	20.000	ng	-0.01
86) Perylene-d12	15.509	264	419358	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	709620	75.936	ng	0.00
7) Phenol-d6	6.498	99	545054	44.811	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1262060	140.800	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	636164	222.110	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2283657	120.023	ng	0.00
79) Terphenyl-d14	12.992	244	2752697	109.148	ng	0.00

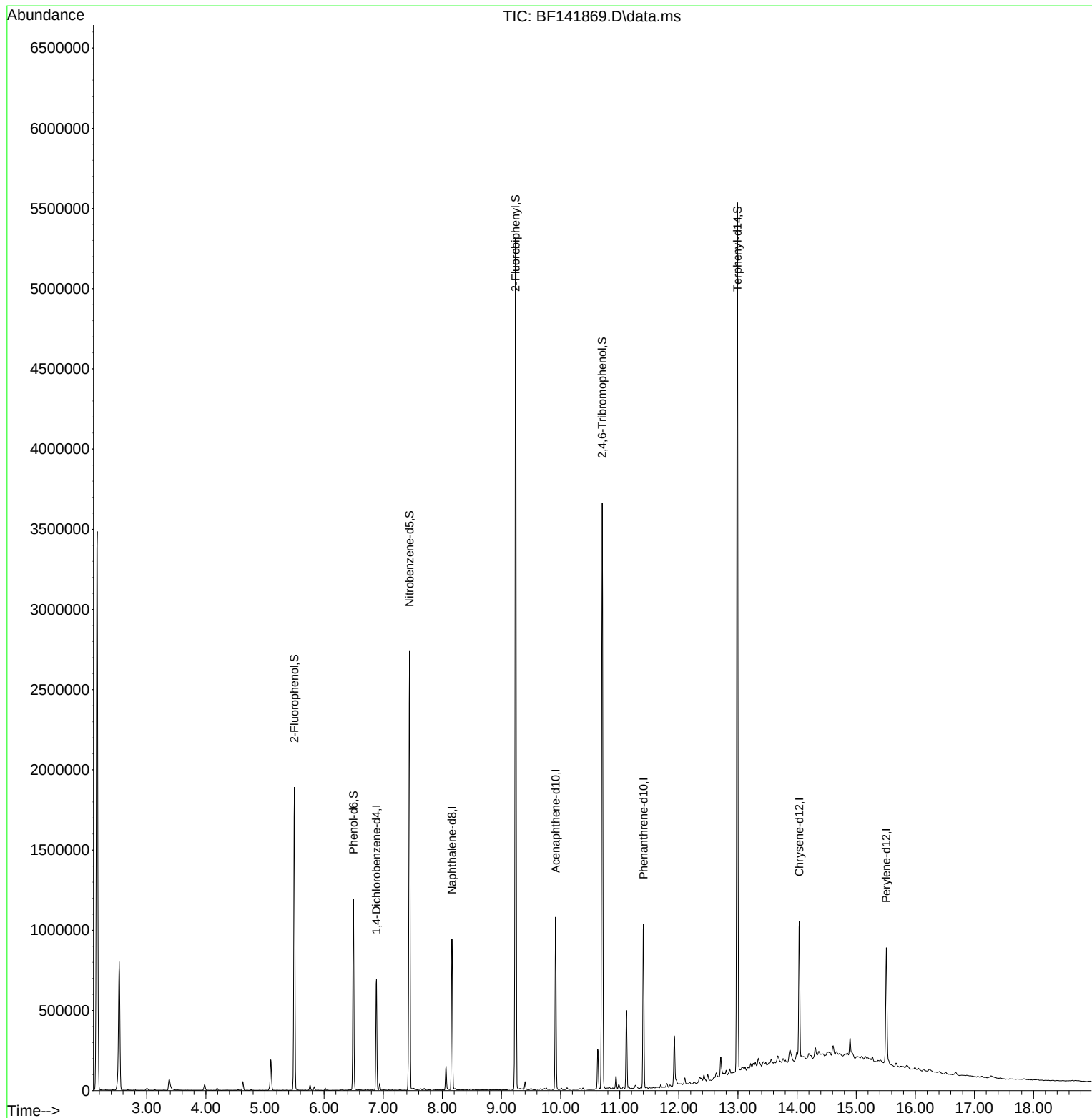
Target Compounds	Qvalue

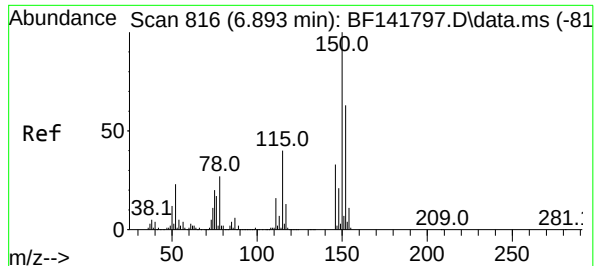
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

Quant Time: Mar 06 16:10:44 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

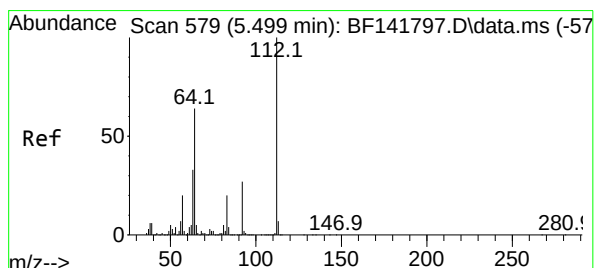
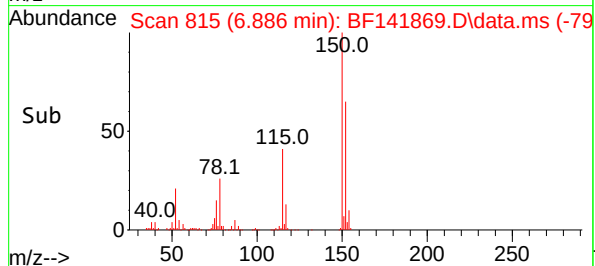
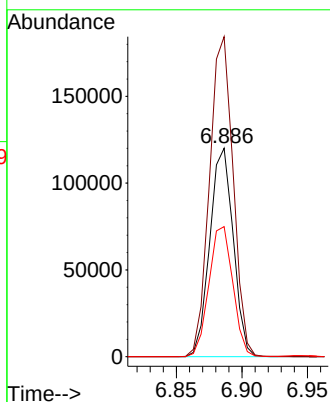
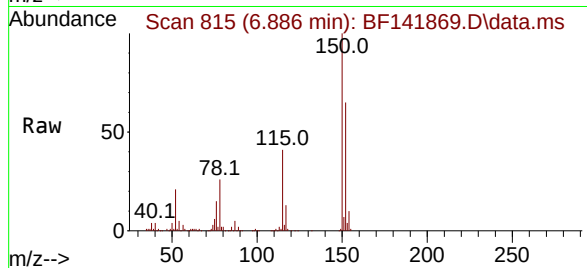




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.007 min
 Lab File: BF141869.D
 Acq: 06 Mar 2025 15:30

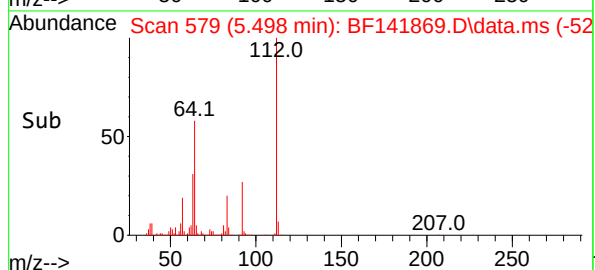
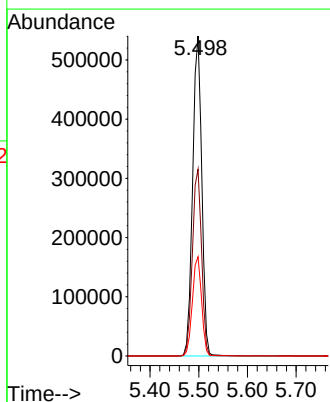
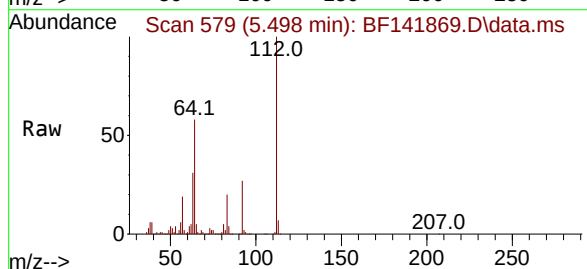
Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-02-COMP-022825

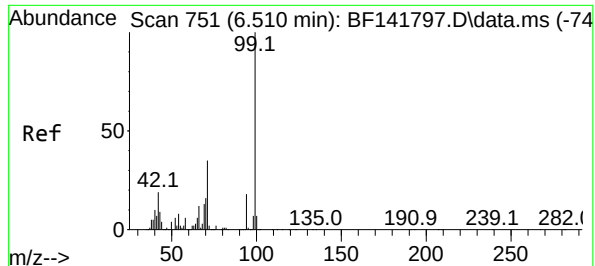
Tgt Ion:152 Resp: 149239
 Ion Ratio Lower Upper
 152 100
 150 153.5 127.5 191.3
 115 62.4 51.4 77.2



#5
 2-Fluorophenol
 Concen: 75.936 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141869.D
 Acq: 06 Mar 2025 15:30

Tgt Ion:112 Resp: 709620
 Ion Ratio Lower Upper
 112 100
 64 58.3 51.3 76.9
 63 31.0 26.2 39.4

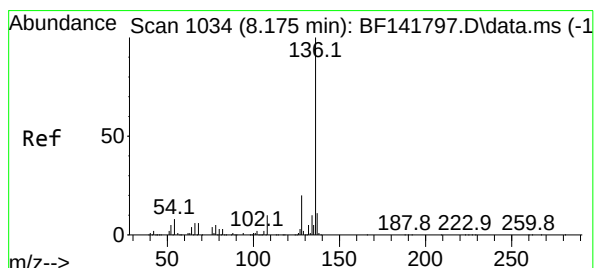
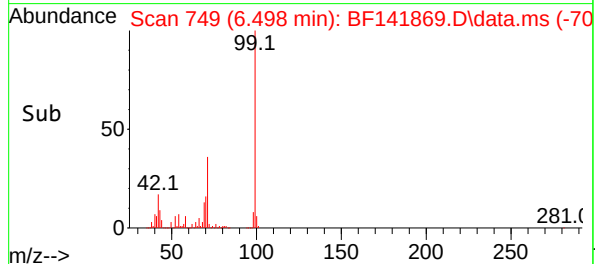
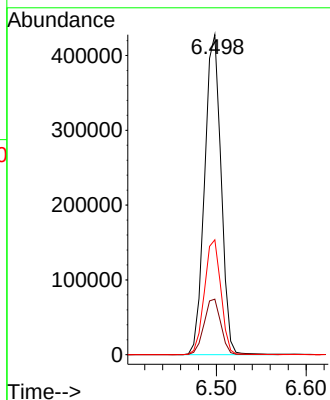
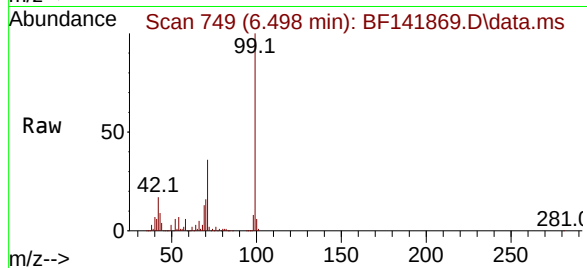




#7
Phenol-d6
Concen: 44.811 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

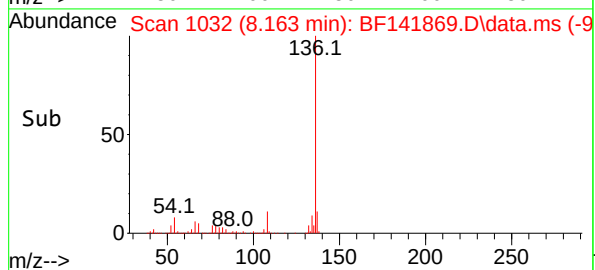
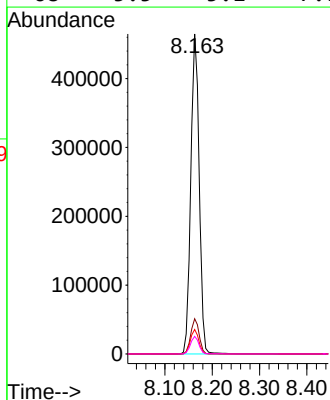
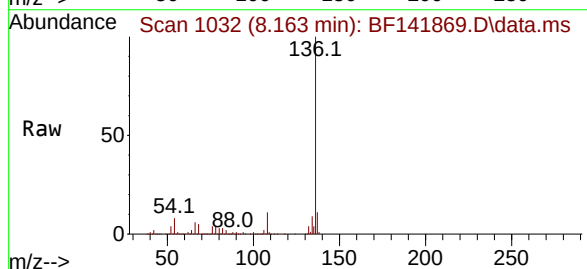
Instrument :
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ClientSampleId :
IDW-AQ-IW-02-COMP-022825

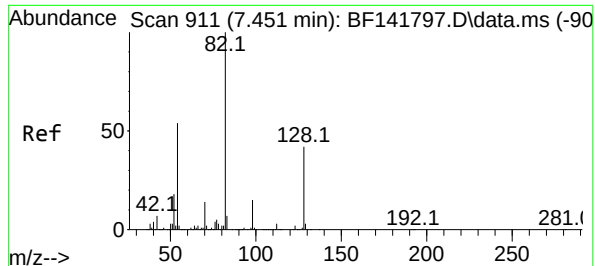
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.2	22.8
71	35.9	28.2	42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.7	6.9	10.3
68	5.5	5.1	7.7





#23

Nitrobenzene-d5

Concen: 140.800 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141869.D

Acq: 06 Mar 2025 15:30

Instrument :

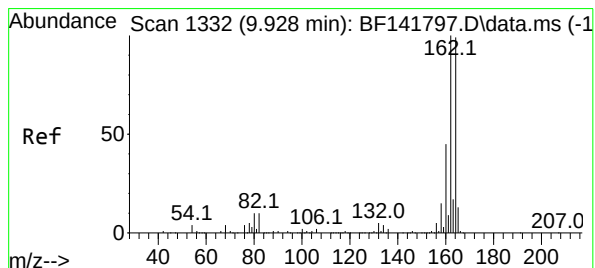
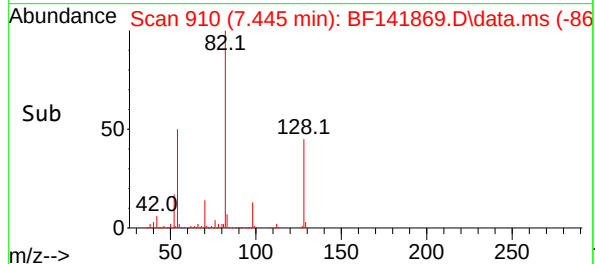
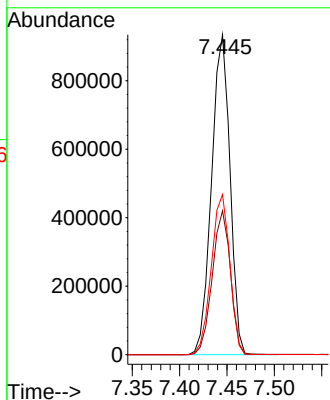
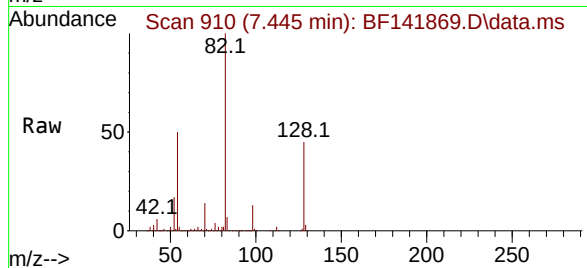
BNA_F

ClientSampleId :

IDW-AQ-IW-02-COMP-022825

Tgt Ion: 82 Resp: 1262060

Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.5	50.3
54	50.0	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

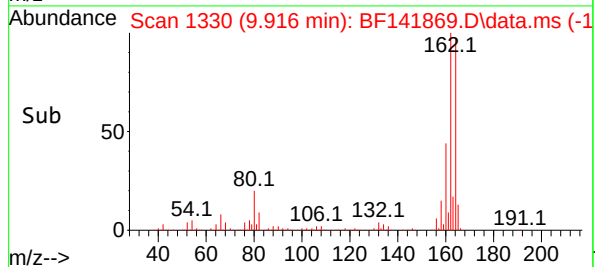
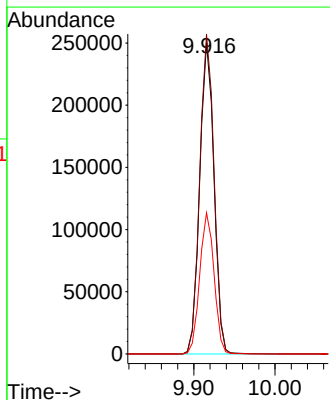
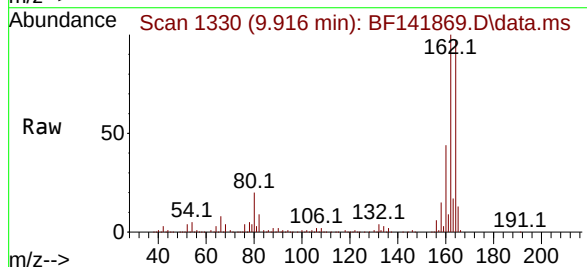
Delta R.T. -0.012 min

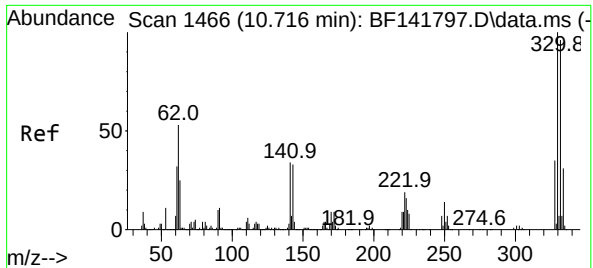
Lab File: BF141869.D

Acq: 06 Mar 2025 15:30

Tgt Ion: 164 Resp: 305084

Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.6	120.8
160	45.4	36.3	54.5

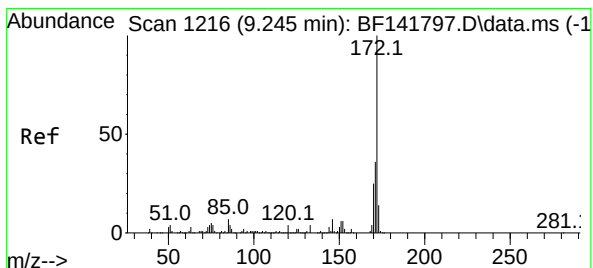
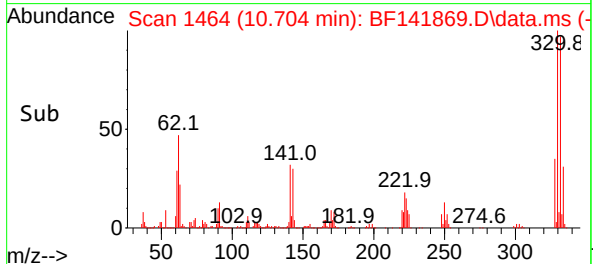
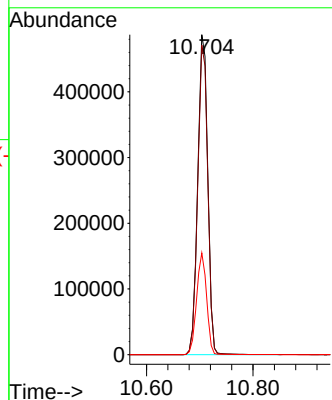
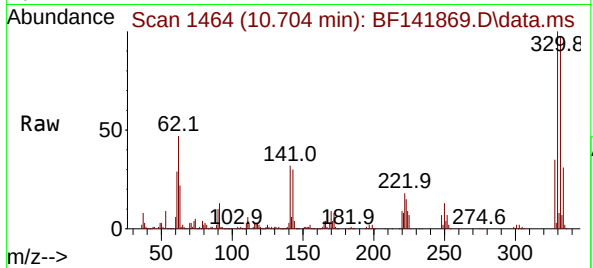




#42
2,4,6-Tribromophenol
Concen: 222.110 ng
RT: 10.704 min Scan# 1466
Delta R.T. -0.012 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

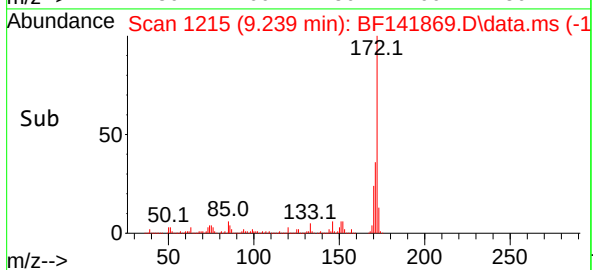
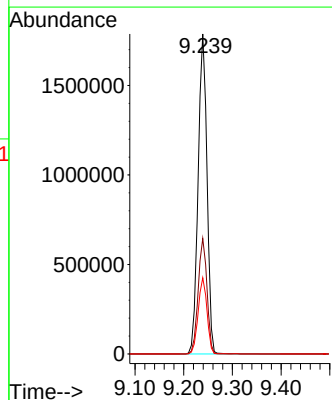
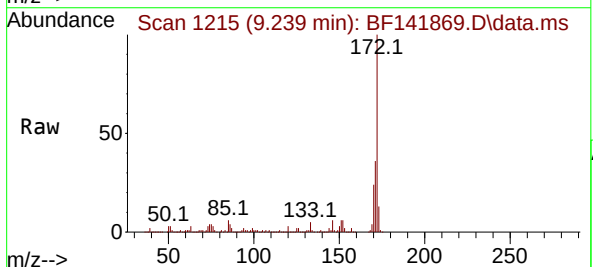
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

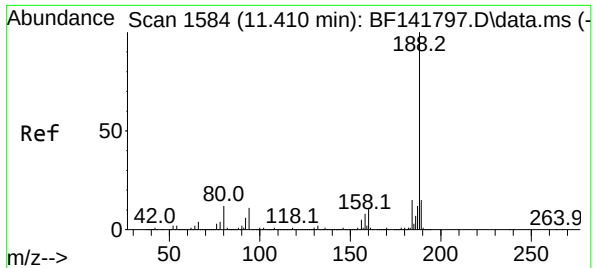
Tgt Ion:330 Resp: 636164
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 31.7 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 120.023 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

Tgt Ion:172 Resp: 2283657
Ion Ratio Lower Upper
172 100
171 36.1 29.2 43.8
170 23.8 19.7 29.5

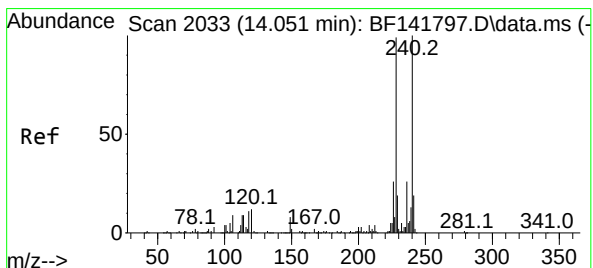
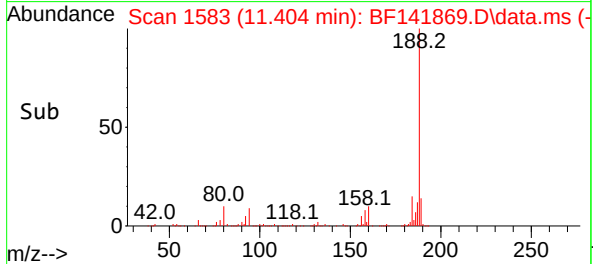
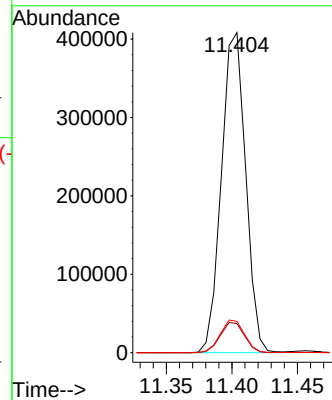
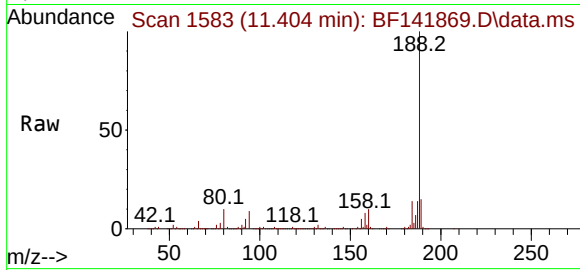




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

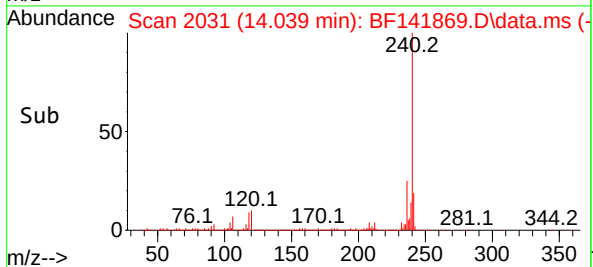
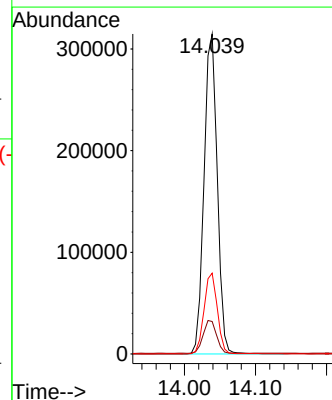
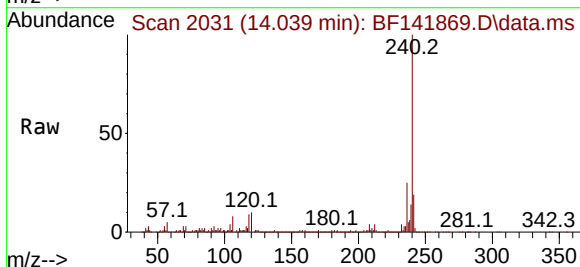
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

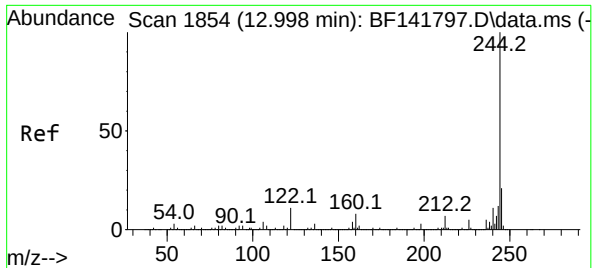
Tgt Ion:188 Resp: 525653
Ion Ratio Lower Upper
188 100
94 9.1 8.9 13.3
80 9.8 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

Tgt Ion:240 Resp: 408038
Ion Ratio Lower Upper
240 100
120 10.1 9.7 14.5
236 25.2 21.0 31.4

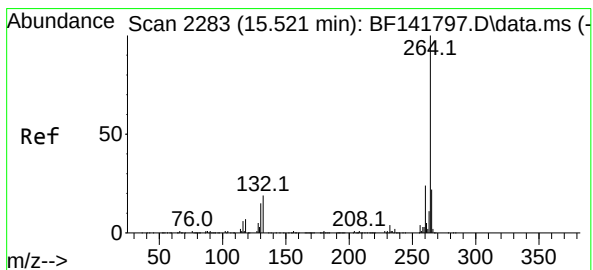
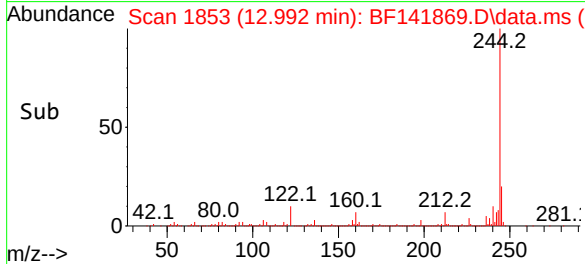
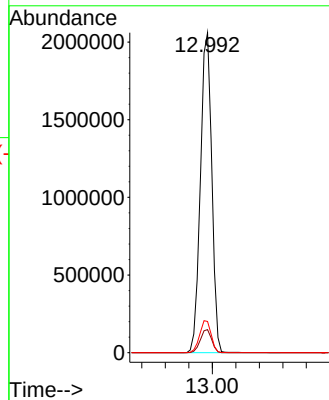
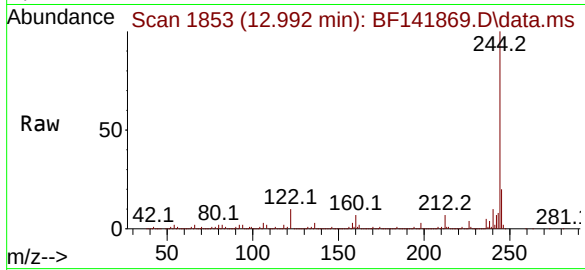




#79
Terphenyl-d14
Concen: 109.148 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141869.D
Acq: 06 Mar 2025 15:30

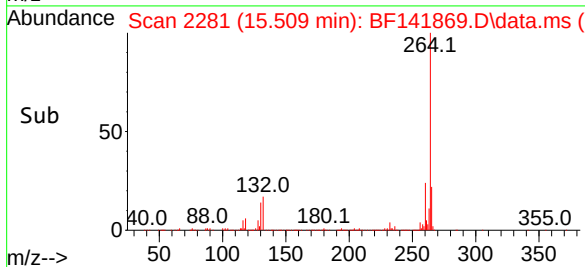
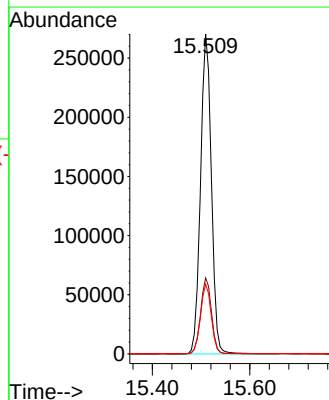
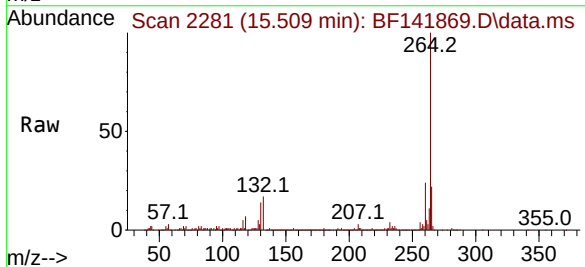
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

Tgt Ion:244 Resp: 2752697
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.7 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: BF141869.D
Acq: 06 Mar 2025 15:30

Tgt Ion:264 Resp: 419358
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\BF030625\
 Data File : BF141869.D
 Acq On : 06 Mar 2025 15:30
 Operator : RC/JU
 Sample : Q1478-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-02-COMP-022825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141869.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	3	12	23	rVB	3481742	5770696	78.63%	13.347%
2	2.534	63	75	85	rVB	801021	1420661	19.36%	3.286%
3	3.381	213	219	239	rBV	69451	166655	2.27%	0.385%
4	5.098	502	511	520	rBV	189919	295839	4.03%	0.684%
5	5.498	573	579	584	rBV	1888820	2480517	33.80%	5.737%
6	6.498	743	749	760	rVB	1192316	1533958	20.90%	3.548%
7	6.886	809	815	820	rBV	694733	883243	12.03%	2.043%
8	7.445	903	910	915	rBV	2736755	3699146	50.40%	8.556%
9	8.063	1010	1015	1027	rBV	146973	199610	2.72%	0.462%
10	8.163	1027	1032	1039	rBV	938931	1155825	15.75%	2.673%
11	9.239	1209	1215	1220	rBV	5308400	6753203	92.01%	15.620%
12	9.916	1325	1330	1339	rVB	1075972	1321980	18.01%	3.058%
13	10.627	1446	1451	1458	rBV	247231	313746	4.27%	0.726%
14	10.704	1458	1464	1469	rBV	3653304	4745354	64.66%	10.976%
15	10.939	1499	1504	1508	rVB	79701	99254	1.35%	0.230%
16	11.116	1529	1534	1538	rBV	488260	601429	8.19%	1.391%
17	11.404	1577	1583	1588	rBV	1022911	1325423	18.06%	3.066%
18	11.921	1666	1671	1682	rBV2	315943	513811	7.00%	1.188%
19	12.710	1801	1805	1812	rBV	123363	210596	2.87%	0.487%
20	12.992	1847	1853	1858	rBV	5416452	7339469	100.00%	16.976%
21	14.039	2026	2031	2036	rVB	841630	1096490	14.94%	2.536%
22	14.898	2173	2177	2181	rBV	96689	135144	1.84%	0.313%
23	15.509	2276	2281	2293	rVB	728988	1172846	15.98%	2.713%

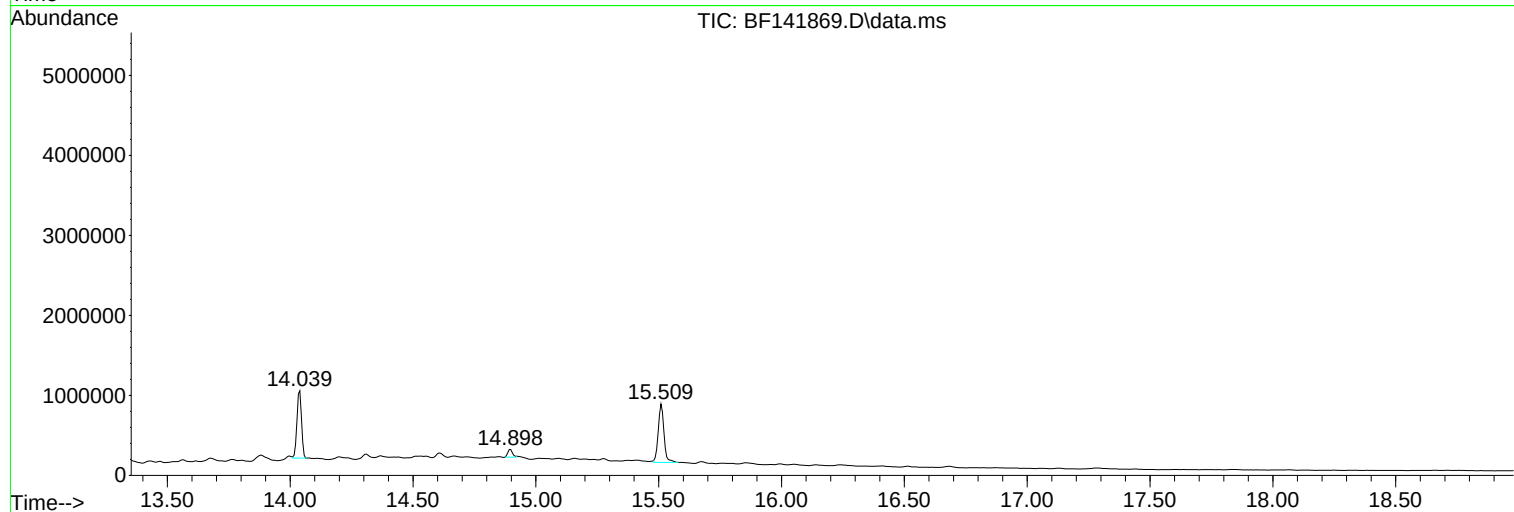
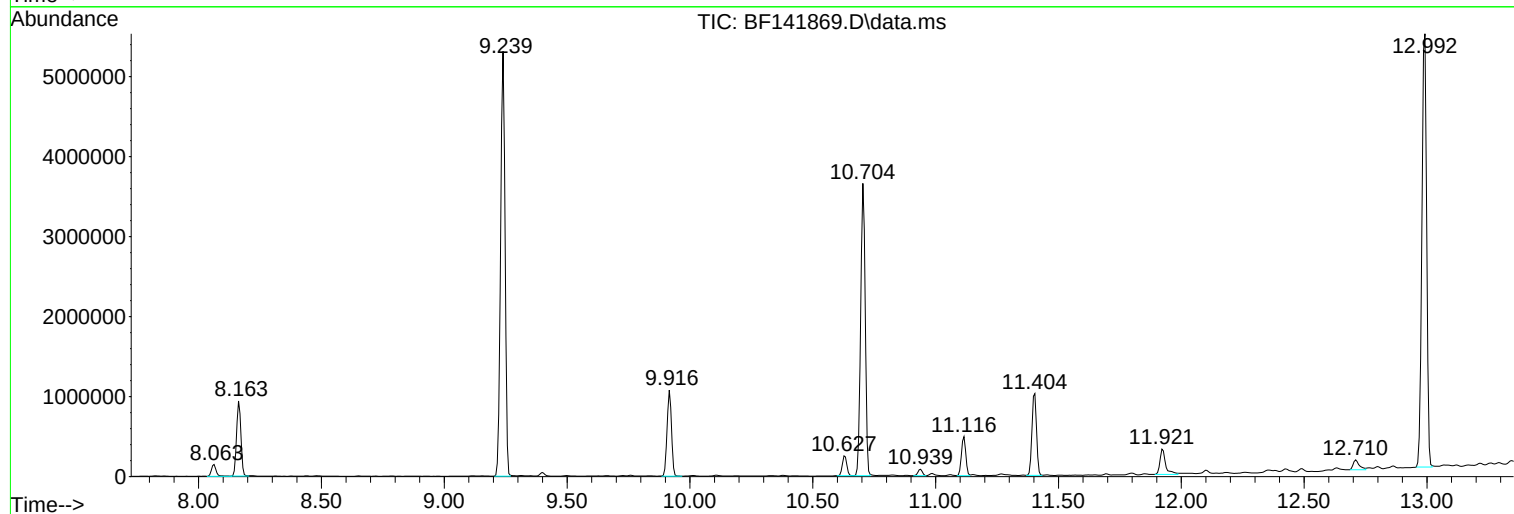
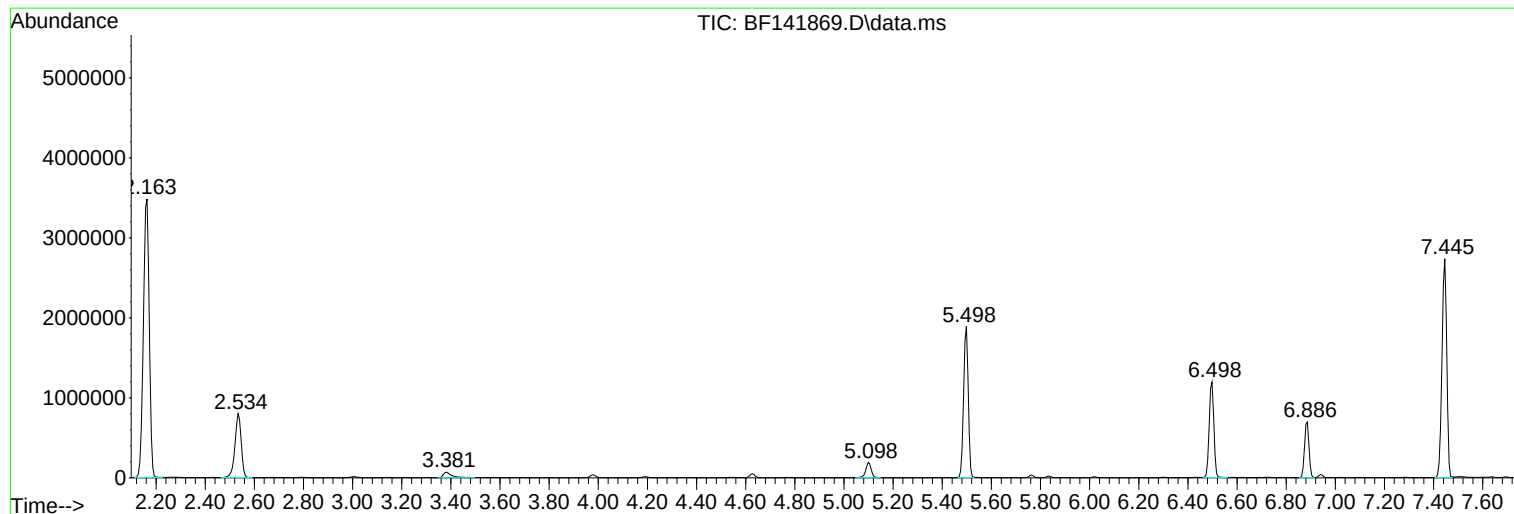
Sum of corrected areas: 43234895

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

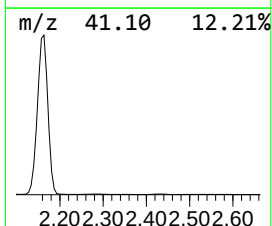
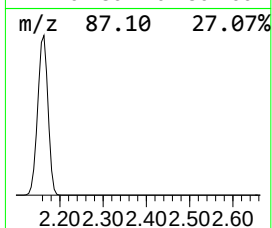
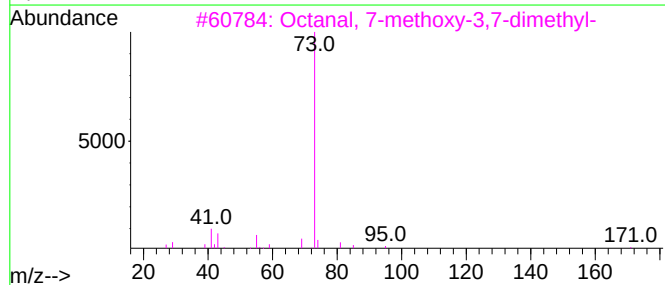
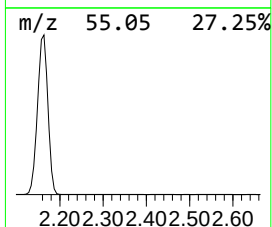
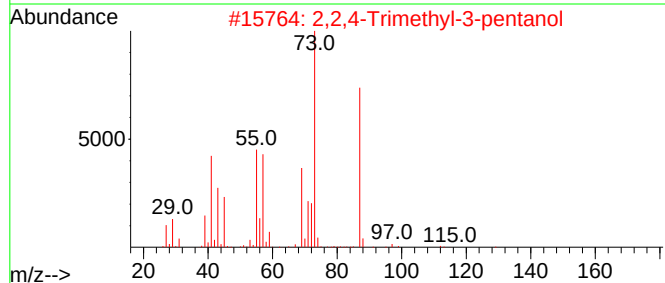
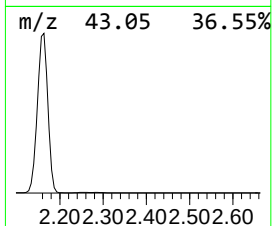
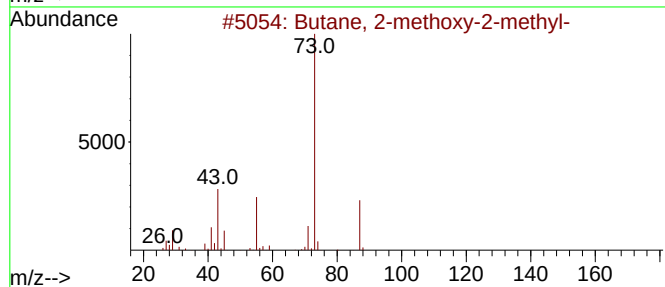
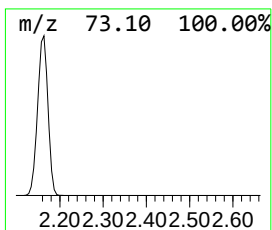
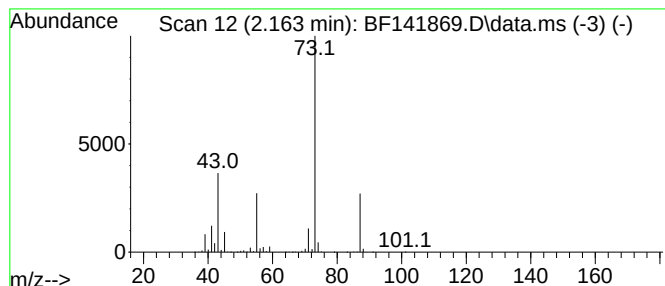
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	130.67 ng	5770700	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

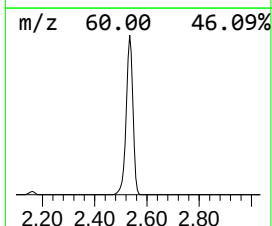
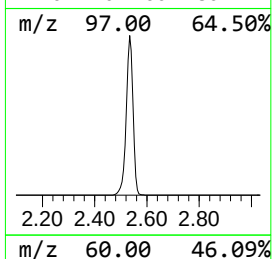
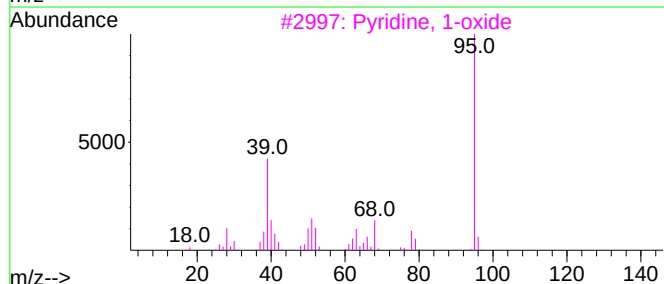
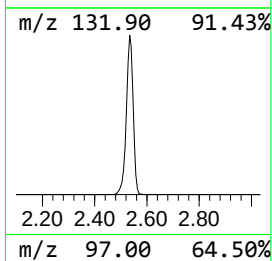
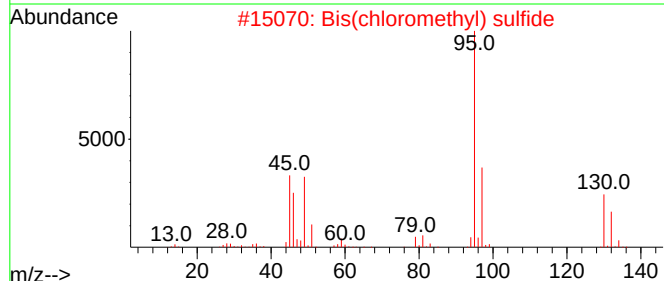
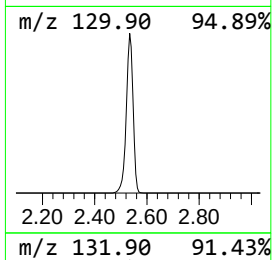
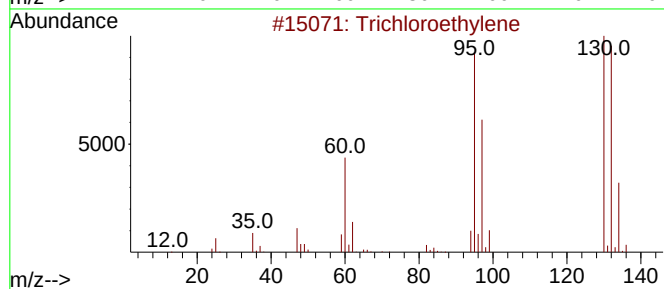
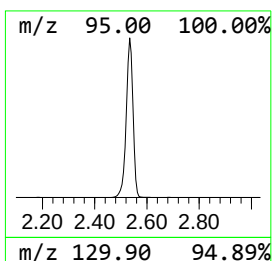
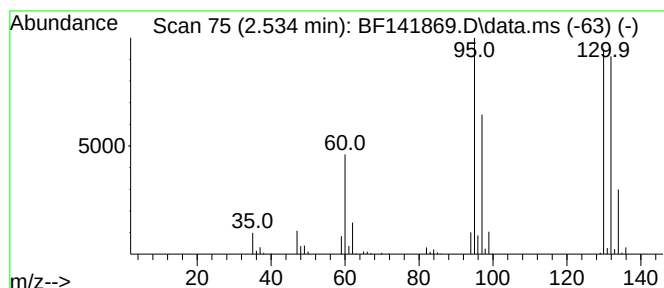
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Trichloroethylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.534	32.17 ng	1420660	1,4-Dichlorobenzene-d4	6.886

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trichloroethylene	130	C2HCl3	000079-01-6	99
2		Bis(chloromethyl) sulfide	130	C2H4Cl2S	003592-44-7	58
3		Pyridine, 1-oxide	95	C5H5NO	000694-59-7	10
4		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10
5		Isoquinoline, 3,4-dihydro-	131	C9H9N	003230-65-7	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

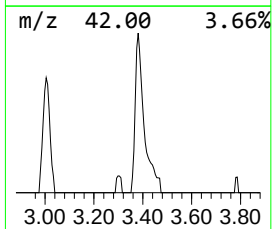
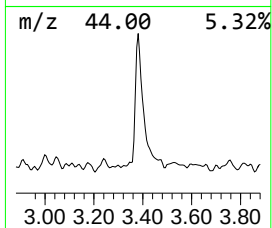
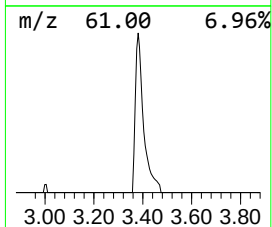
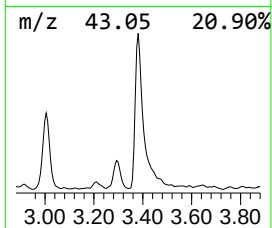
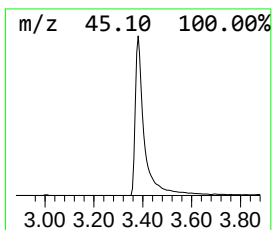
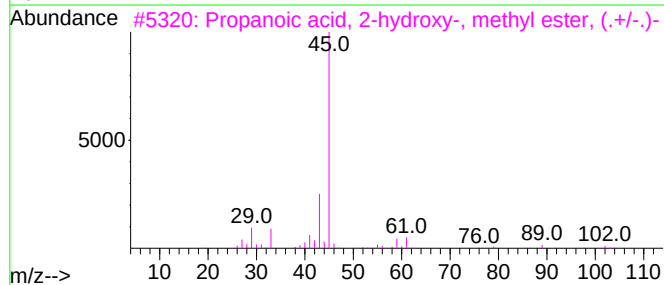
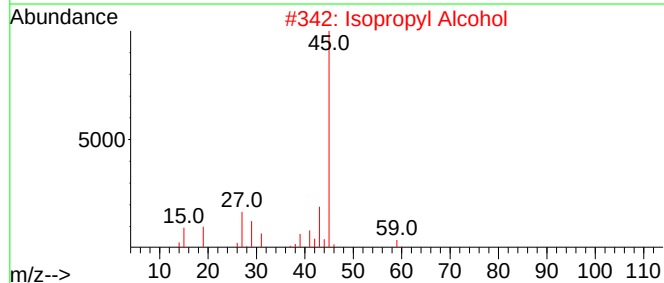
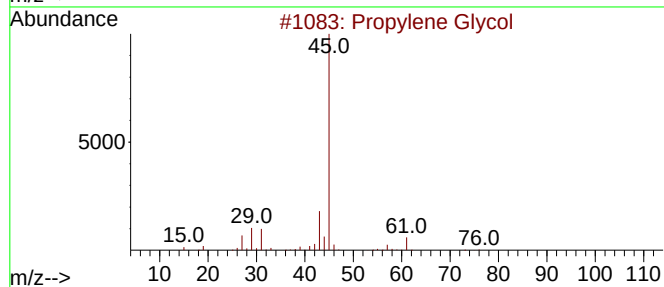
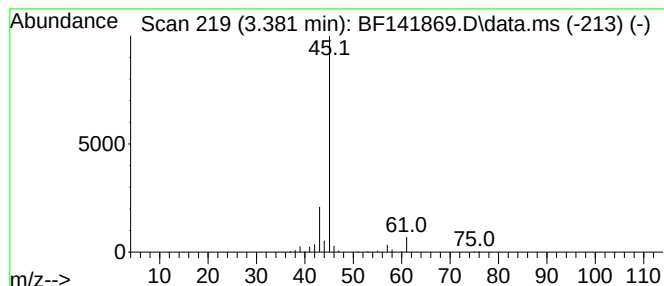
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Propylene Glycol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.381	3.77 ng	166655	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	78
2			Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
4			Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9
5			R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

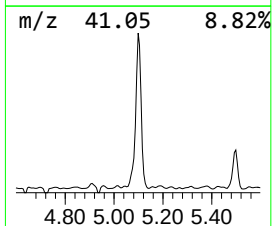
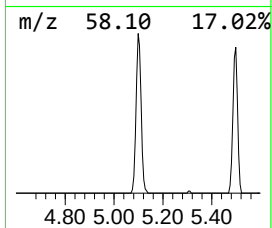
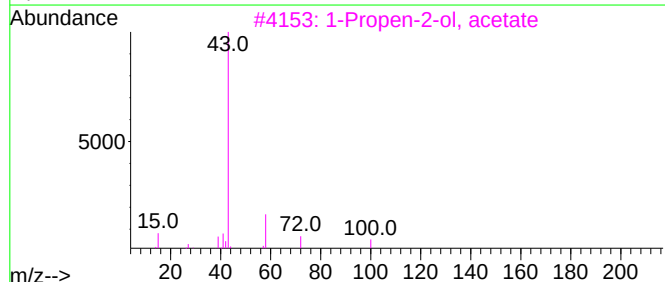
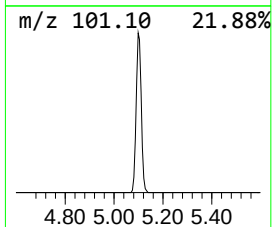
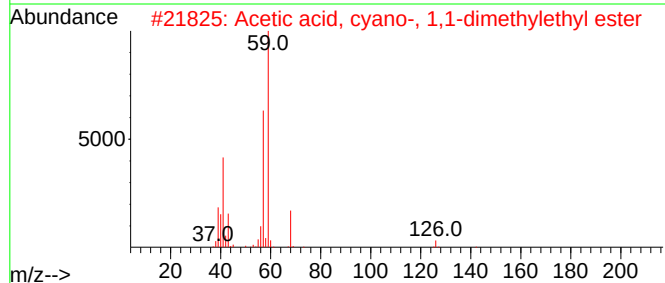
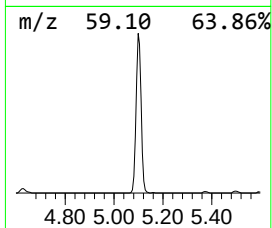
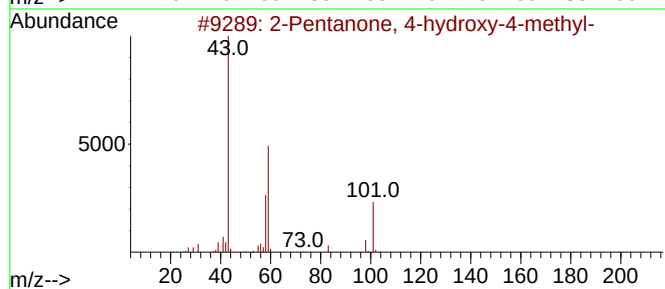
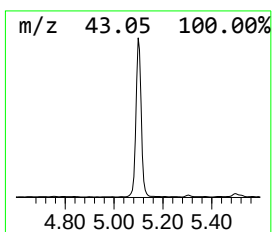
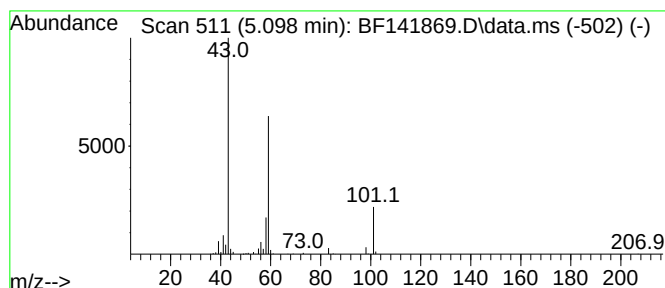
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	6.70 ng	295839	1,4-Dichlorobenzene-d4	6.886

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

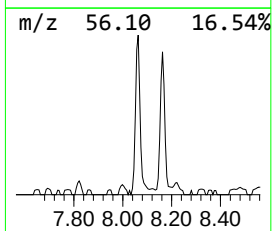
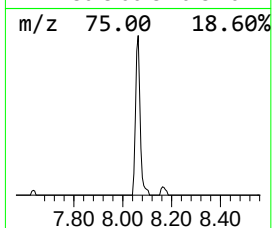
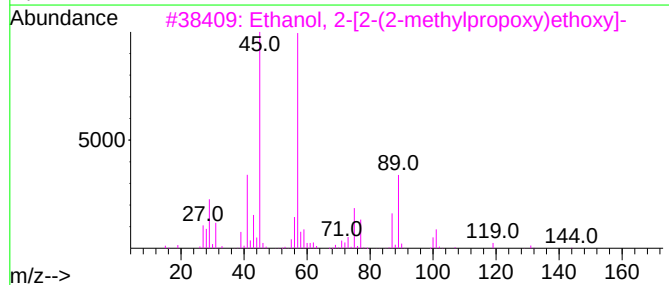
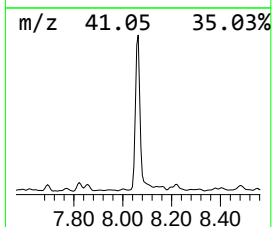
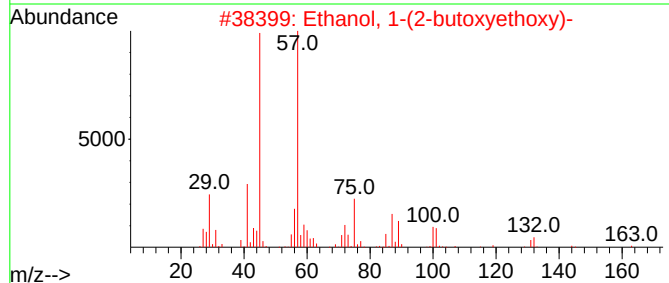
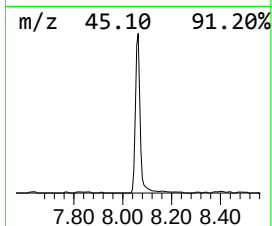
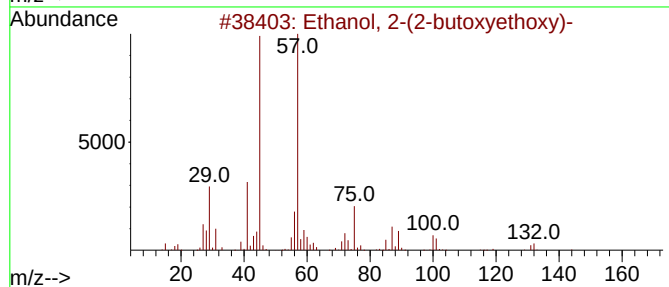
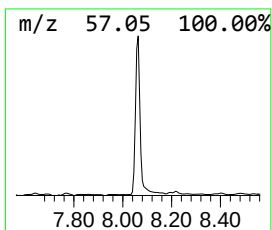
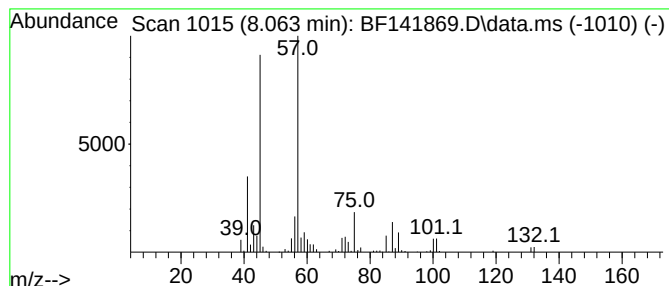
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.063	3.45 ng	199610	Naphthalene-d8	8.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	78
4			Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	53
5			Di-sec-Butyl ether	130	C8H18O	006863-58-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

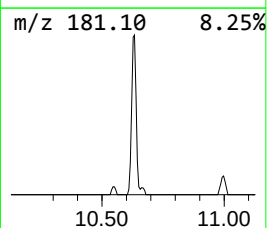
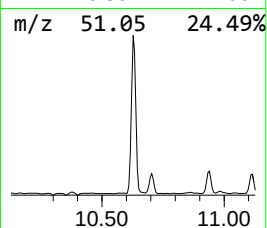
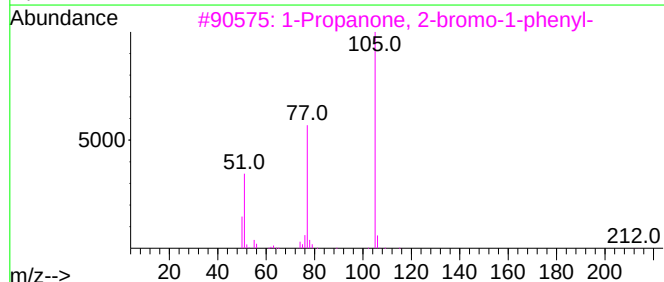
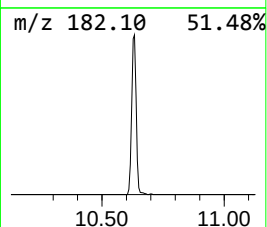
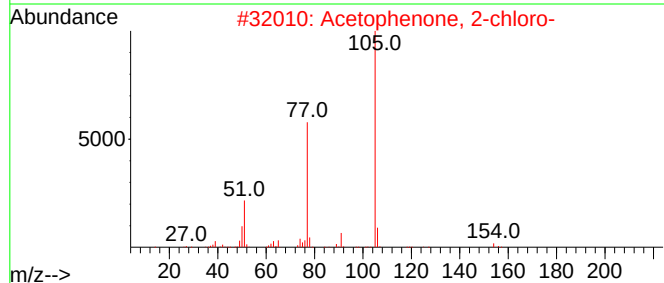
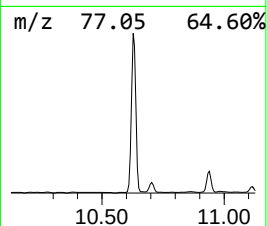
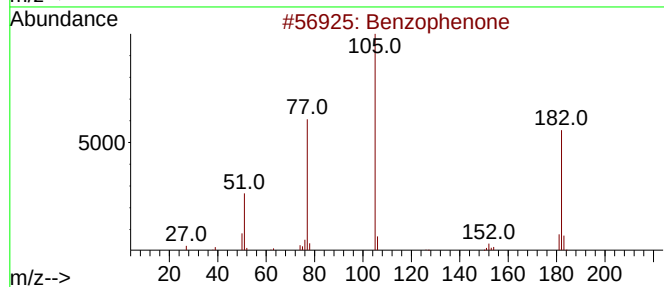
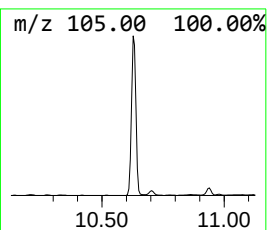
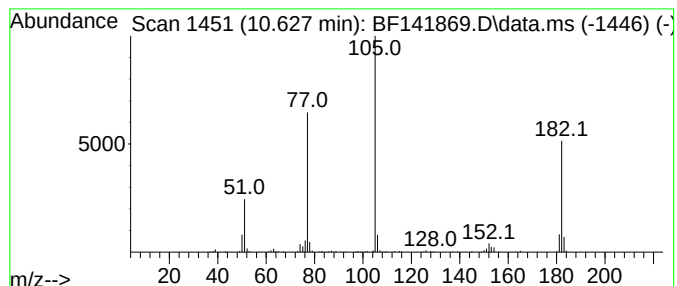
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.75 ng	313746	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

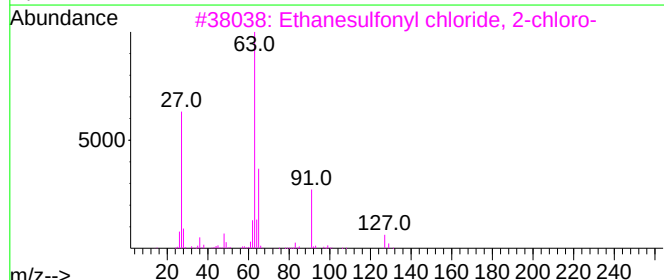
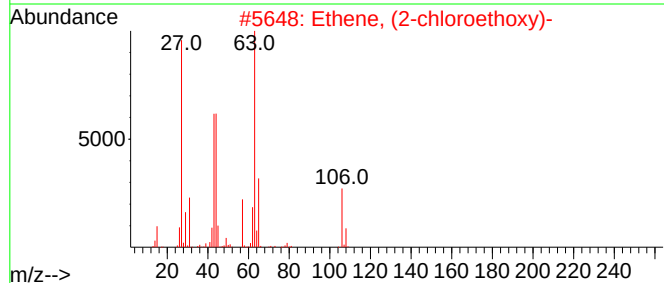
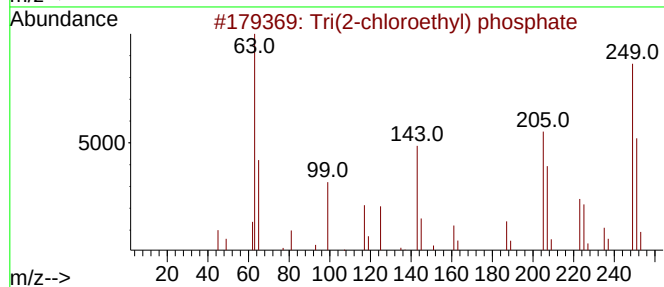
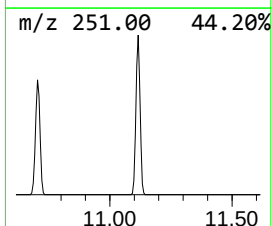
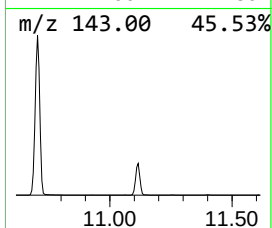
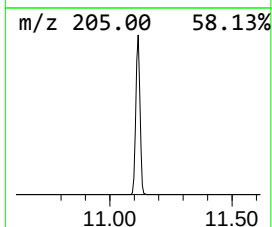
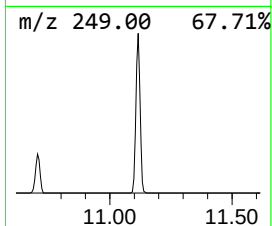
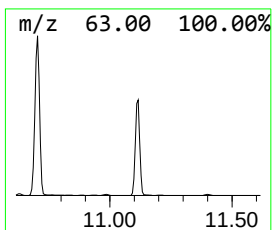
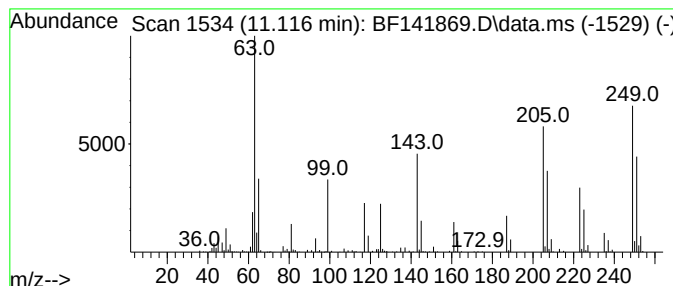
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Tri(2-chloroethyl) phosphate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.116	9.08 ng	601429	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	95
2	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	47
3	Ethanesulfonyl chloride, 2-chloro-	162	C2H4Cl2O2S	001622-32-8	47
4	1-Chloroethyl sulfone	190	C4H8Cl2O2S	010038-07-0	47
5	Ethanol, 2-chloro-, phosphite (3:1)	268	C6H12Cl3O3P	000140-08-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

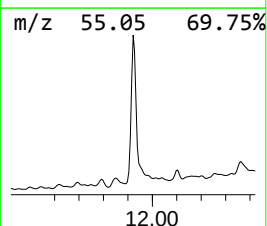
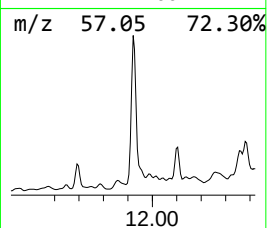
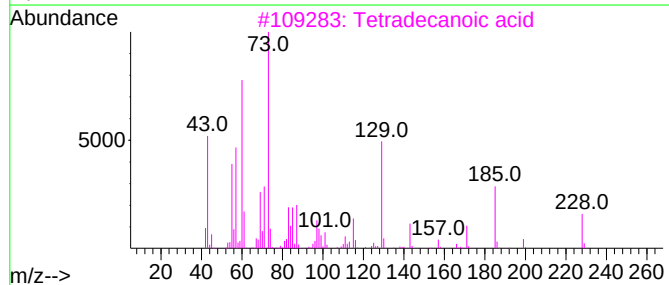
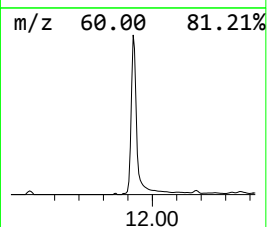
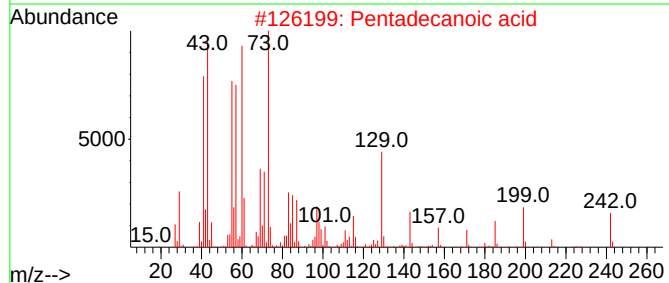
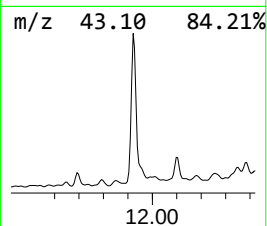
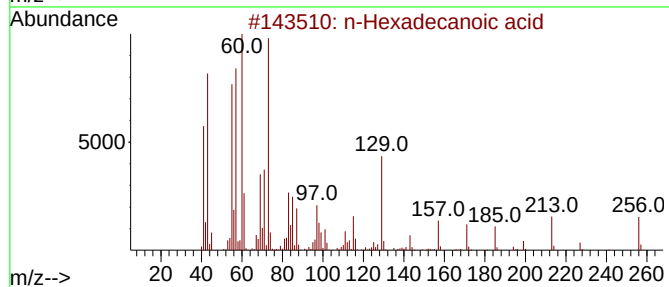
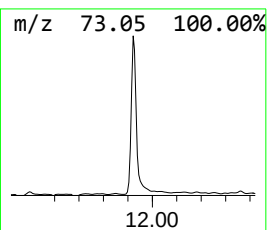
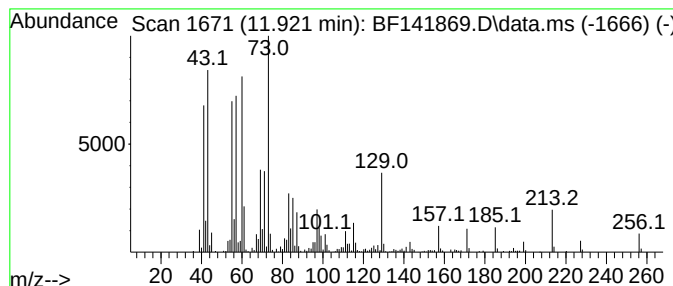
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	7.75 ng	513811	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4			Tridecanoic acid	214	C13H26O2	000638-53-9	89
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

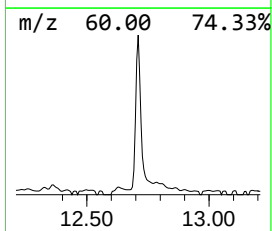
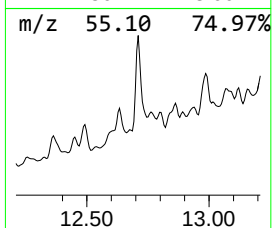
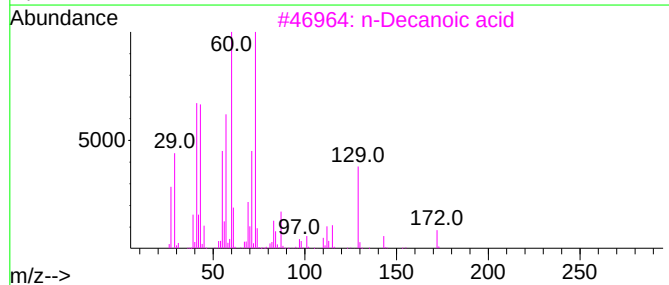
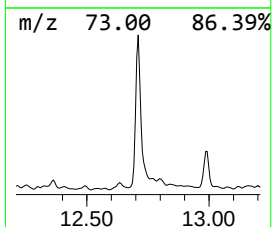
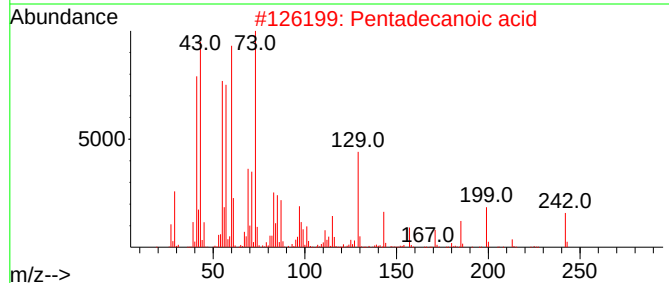
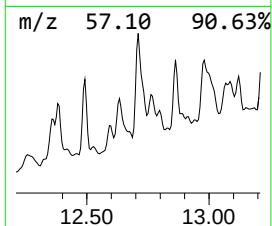
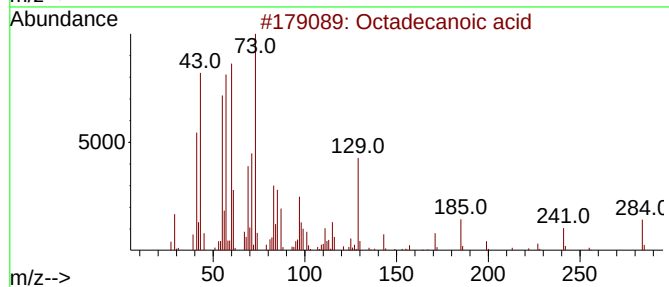
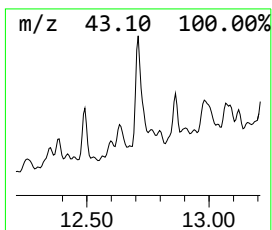
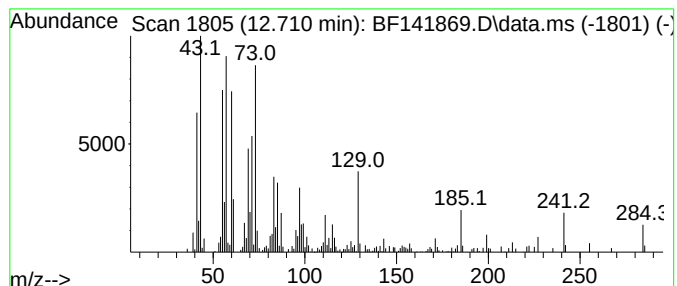
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	3.18 ng	210596	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	70
3		n-Decanoic acid	172	C10H20O2	000334-48-5	60
4		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	35
5		Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
IDW-AQ-IW-02-COMP-022825

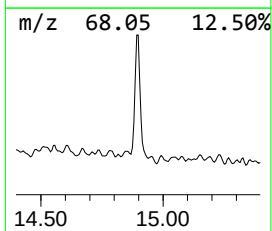
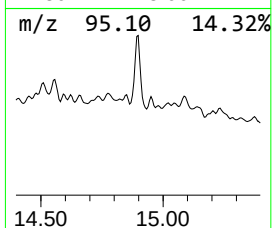
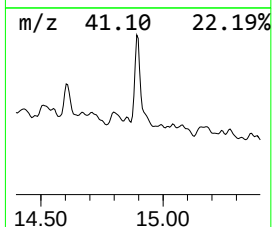
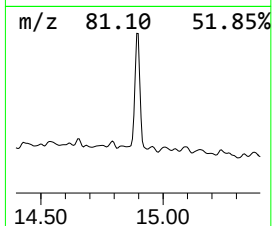
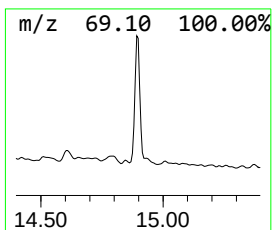
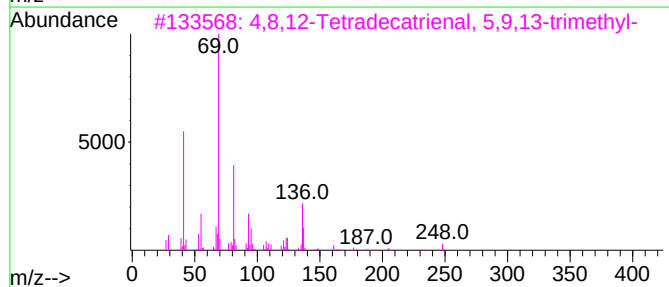
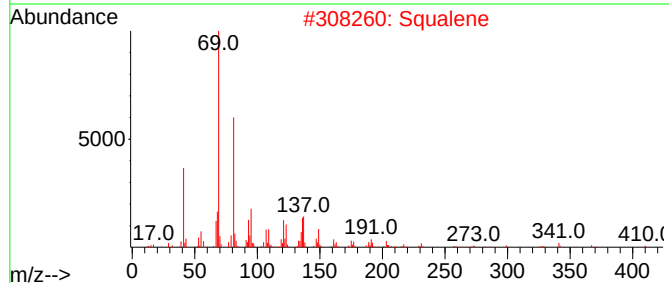
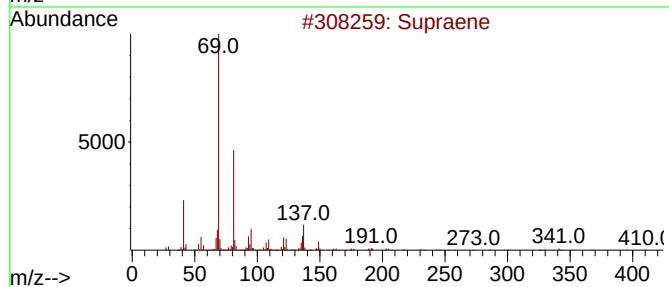
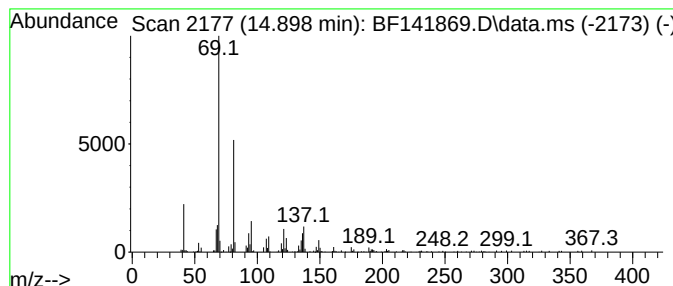
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Supraene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	2.30 ng	135144	Perylene-d12	15.509

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Supraene	410	C30H50	007683-64-9	91
2		Squalene	410	C30H50	000111-02-4	90
3		4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	80
4		4,8,12-Tetradecatrienenitrile, 5,...	245	C17H27N	005981-31-7	59
5		1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141869.D
Acq On : 06 Mar 2025 15:30
Operator : RC/JU
Sample : Q1478-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-02-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.163	130.7	ng	5770700	1	6.886	883243	20.0
Trichloroethylene	2.534	32.2	ng	1420660	1	6.886	883243	20.0
Propylene Glycol	3.381	3.8	ng	166655	1	6.886	883243	20.0
2-Pentanone, 4-...	5.098	6.7	ng	295839	1	6.886	883243	20.0
Ethanol, 2-(2-b...	8.063	3.5	ng	199610	2	8.163	1155830	20.0
Benzophenone	10.627	4.8	ng	313746	3	9.916	1321980	20.0
Tri(2-chloroeth...	11.116	9.1	ng	601429	4	11.404	1325420	20.0
n-Hexadecanoic ...	11.921	7.8	ng	513811	4	11.404	1325420	20.0
Octadecanoic acid	12.710	3.2	ng	210596	4	11.404	1325420	20.0
Supraene	14.898	2.3	ng	135144	6	15.509	1172850	20.0

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-AQ-IW-03-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141868.D	1	03/05/25 08:35	03/06/25 15:01	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
108-95-2	Phenol	0.97	U	0.97	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.20	ug/L
95-57-8	2-Chlorophenol	0.74	U	0.74	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.20	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.20	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
78-59-1	Isophorone	1.20	U	1.20	5.20	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.20	ug/L
105-67-9	2,4-Dimethylphenol	1.60	U	1.60	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.10	U	1.10	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.92	U	0.92	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
106-47-8	4-Chloroaniline	1.40	UQ	1.40	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.88	U	0.88	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	5.20	U	5.20	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
92-52-4	1,1-Biphenyl	0.95	U	0.95	5.20	ug/L
91-58-7	2-Chloronaphthalene	1.00	U	1.00	5.20	ug/L
88-74-4	2-Nitroaniline	1.50	U	1.50	5.20	ug/L
131-11-3	Dimethylphthalate	0.97	U	0.97	5.20	ug/L

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-AQ-IW-03-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141868.D	1	03/05/25 08:35	03/06/25 15:01	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.70	U	6.70	10.4	ug/L
100-02-7	4-Nitrophenol	2.10	U	2.10	10.4	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
84-66-2	Diethylphthalate	1.10	U	1.10	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1.00	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
100-01-6	4-Nitroaniline	2.10	U	2.10	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.20	U	3.20	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.93	U	0.93	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.99	U	0.99	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.20	U	2.20	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.60	U	2.60	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L

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-AQ-IW-03-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141868.D	1	03/05/25 08:35	03/06/25 15:01	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.82	U	0.82	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	77.9		15 (10) - 110 (139)	52%	SPK: 150
13127-88-3	Phenol-d6	47.7		15 (10) - 110 (134)	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	144	*	30 (49) - 130 (133)	144%	SPK: 100
321-60-8	2-Fluorobiphenyl	124		30 (52) - 130 (132)	124%	SPK: 100
118-79-6	2,4,6-Tribromophenol	220	*	15 (44) - 110 (137)	147%	SPK: 150
1718-51-0	Terphenyl-d14	112		30 (48) - 130 (125)	112%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.887			
1146-65-2	Naphthalene-d8	567000	8.163			
15067-26-2	Acenaphthene-d10	304000	9.916			
1517-22-2	Phenanthrene-d10	506000	11.404			
1719-03-5	Chrysene-d12	396000	14.039			
1520-96-3	Perylene-d12	369000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J		2.16	ug/L
000079-01-6	Trichloroethylene	26.3	J		2.53	ug/L
000066-25-1	Hexanal	12.2	J		4.55	ug/L
002363-88-4	2,4-Decadienal	11.4	J		8.90	ug/L
001931-63-1	Nonanoic acid, 9-oxo-, methyl este	37.2	J		9.50	ug/L
000115-96-8	Tri(2-chloroethyl) phosphate	19.3	J		11.1	ug/L
000112-39-0	Hexadecanoic acid, methyl ester	350	J		11.8	ug/L

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-AQ-IW-03-COMP-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141868.D	1	03/05/25 08:35	03/06/25 15:01	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
020198-49-6	2-Hexyne, 4-methyl-	15.9	J		12.0	ug/L
002462-85-3	9,12-Octadecadienoic acid, methyl	750	J		12.5	ug/L
000112-61-8	Methyl stearate	210	J		12.6	ug/L
	unknown13.163	9.60	J		13.2	ug/L
069120-02-1	cis-13-Eicosenoic acid, methyl est	16.8	J		13.2	ug/L
1000424-52-4	Methyl 18-methylnonadecanoate	34.9	J		13.3	ug/L
	unknown13.374	10.0	J		13.4	ug/L
121781-63-3	(6Z,9Z)-Pentadecadienal	31.7	J		13.5	ug/L
	unknown13.645	12.1	J		13.6	ug/L
	unknown13.674	10.6	J		13.7	ug/L
	unknown13.739	20.2	J		13.7	ug/L
	unknown13.839	9.10	J		13.8	ug/L
000929-77-1	Docosanoic acid, methyl ester	15.8	J		14.0	ug/L

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\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

Quant Time: Mar 06 15:57:15 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 01:48:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	147709	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	566941	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	303926	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	506428	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	396116	20.000	ng	-0.01
86) Perylene-d12	15.510	264	368667	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	720582	77.907	ng	0.00
7) Phenol-d6	6.498	99	574744	47.741	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1281011	144.428	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	629004	220.447	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2353505	124.166	ng	0.00
79) Terphenyl-d14	12.998	244	2735004	111.710	ng	0.00

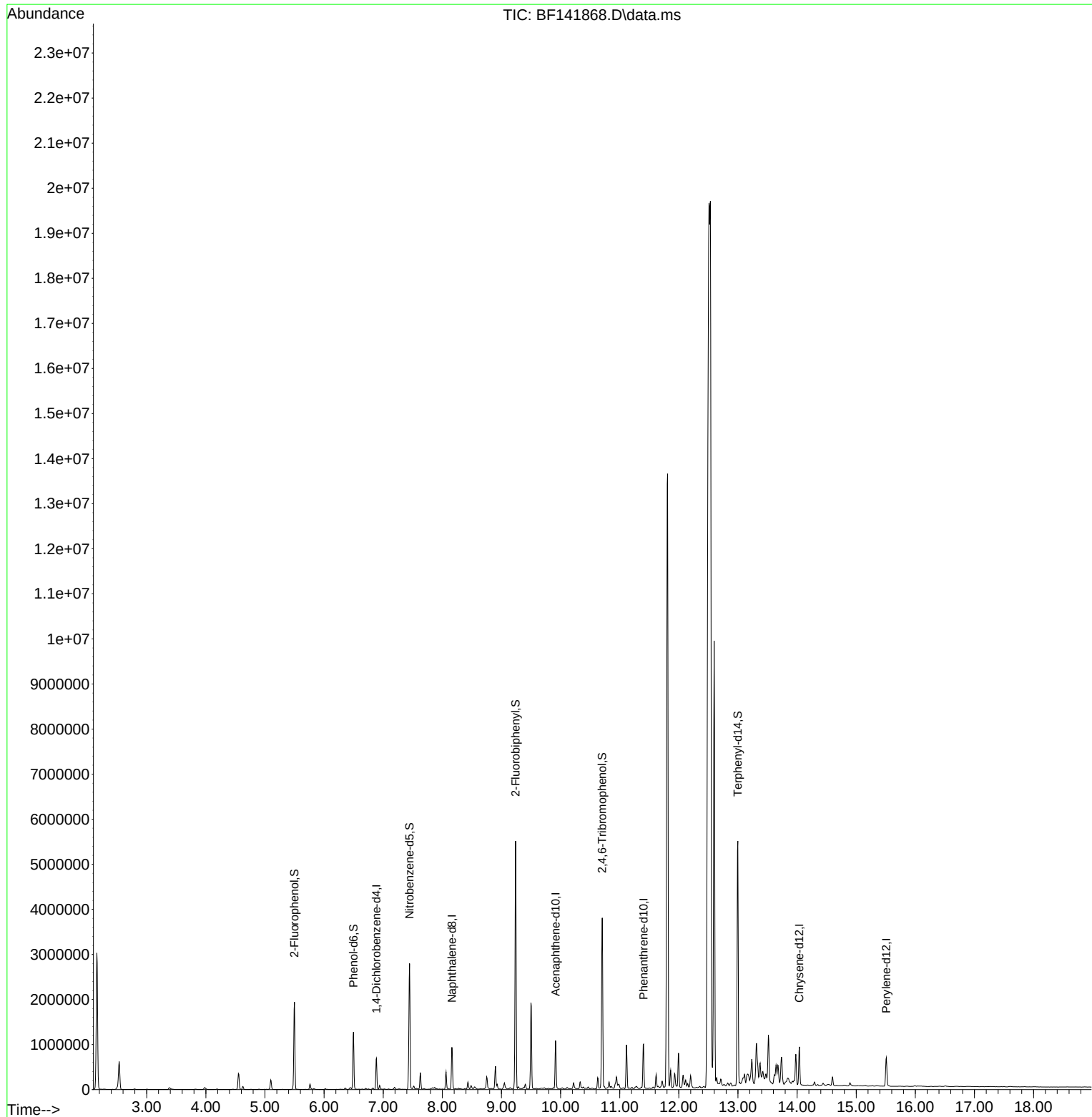
Target Compounds	Qvalue

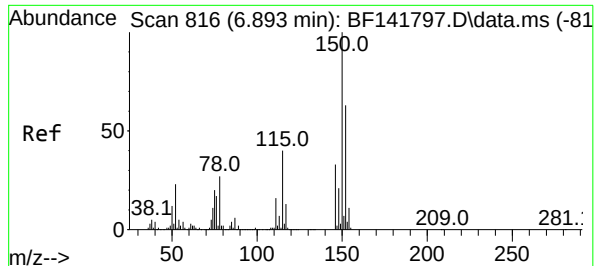
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

Quant Time: Mar 06 15:57:15 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 01:48:16 2025
Response via : Initial Calibration

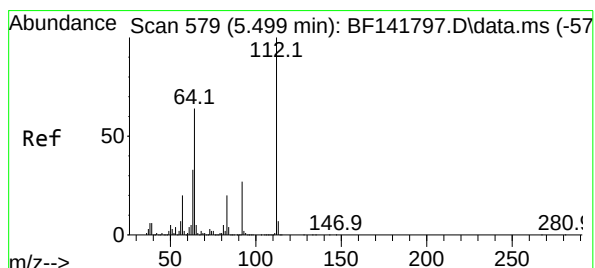
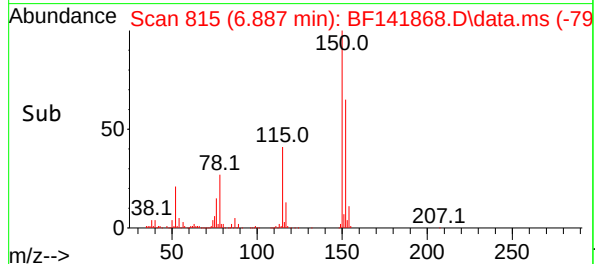
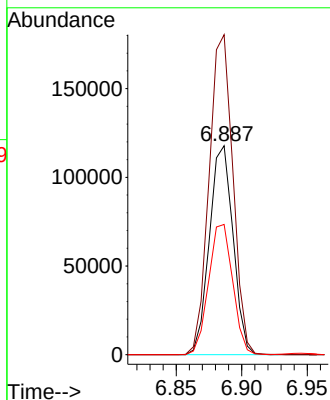
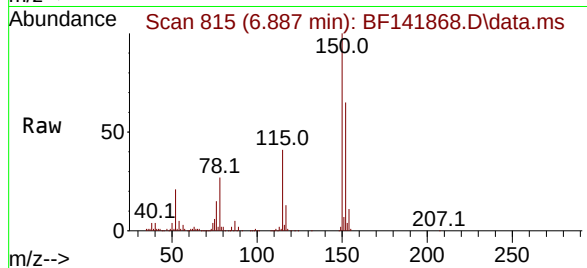




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

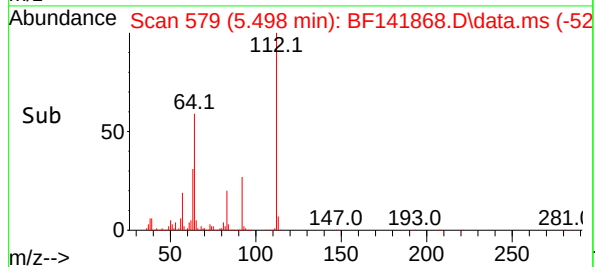
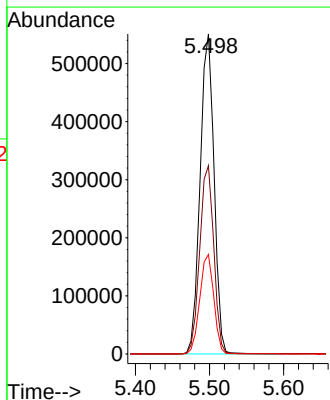
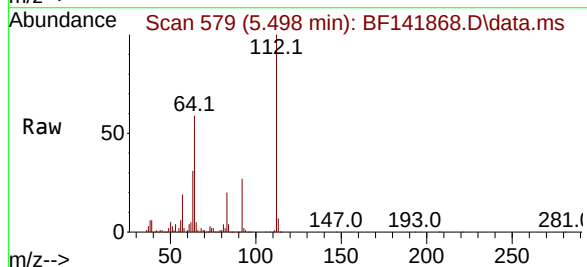
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

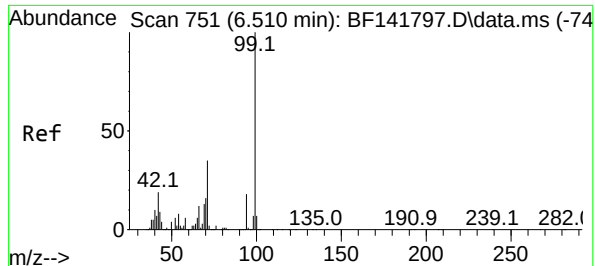
Tgt Ion:152 Resp: 147709
Ion Ratio Lower Upper
152 100
150 153.1 127.5 191.3
115 62.3 51.4 77.2



#5
2-Fluorophenol
Concen: 77.907 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:112 Resp: 720582
Ion Ratio Lower Upper
112 100
64 58.9 51.3 76.9
63 31.1 26.2 39.4

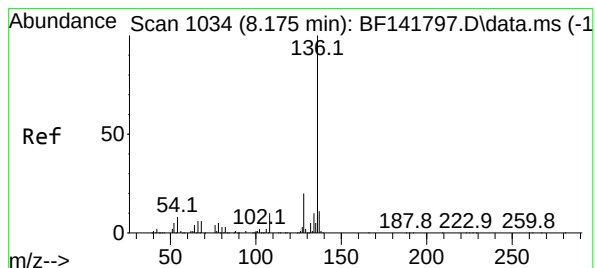
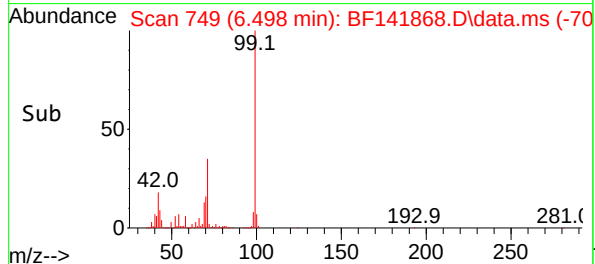
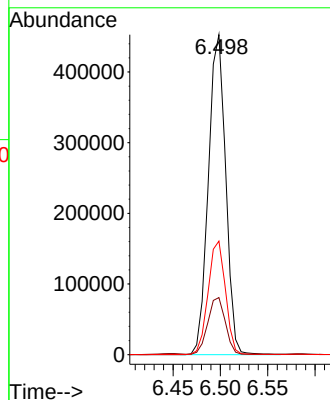
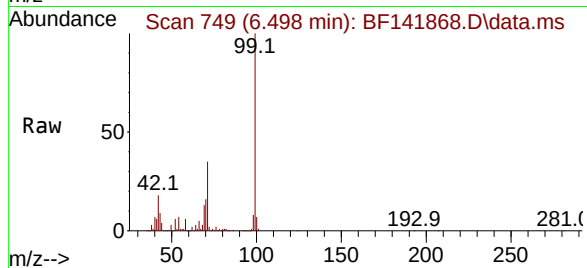




#7
Phenol-d6
Concen: 47.741 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

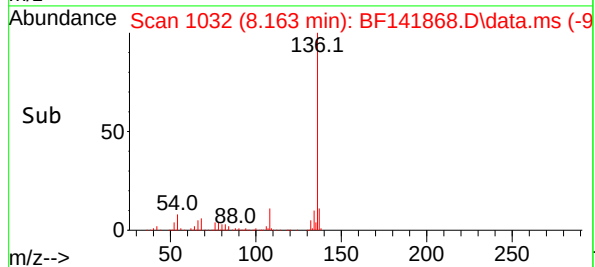
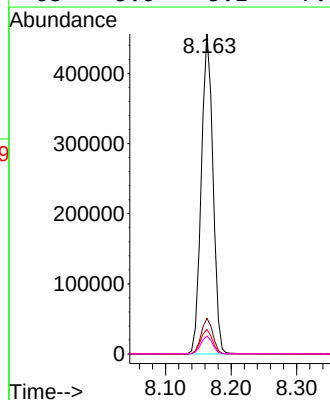
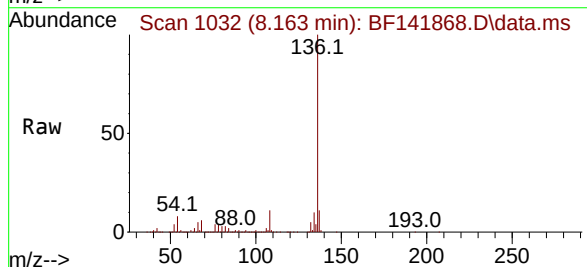
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

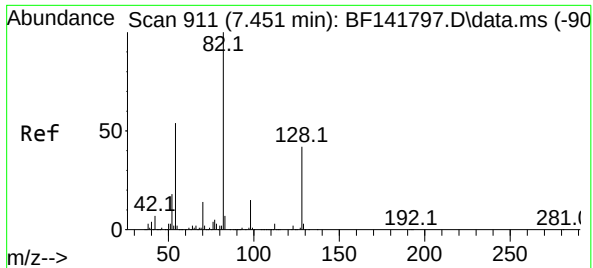
Tgt Ion: 99 Resp: 574744
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 35.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion: 136 Resp: 566941
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.7 6.9 10.3
68 5.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 144.428 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

Instrument :

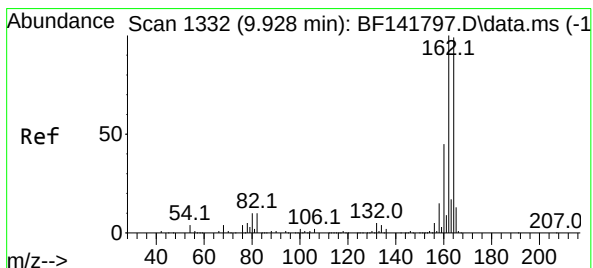
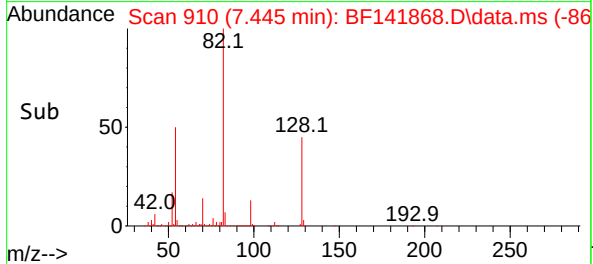
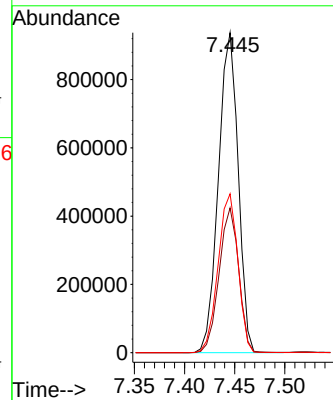
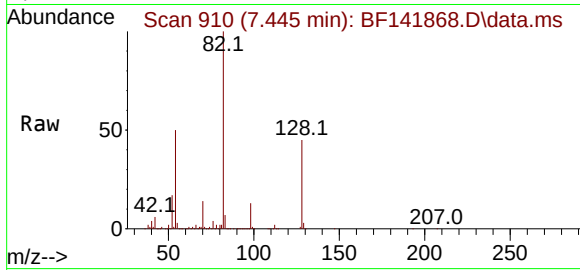
BNA_F

ClientSampleId :

IDW-AQ-IW-03-COMP-022825

Tgt Ion: 82 Resp: 1281011

Ion	Ratio	Lower	Upper
82	100		
128	45.3	33.5	50.3
54	49.7	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

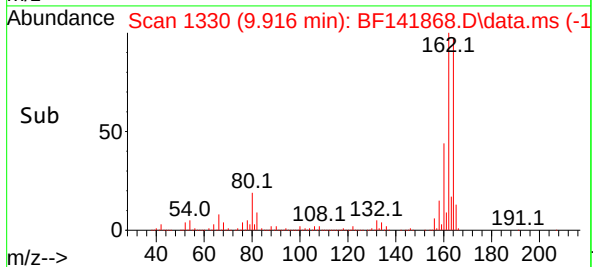
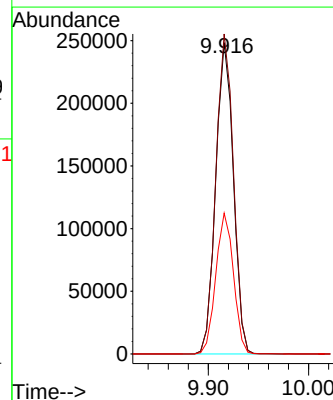
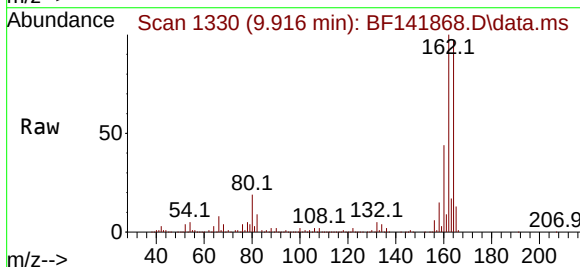
Delta R.T. -0.012 min

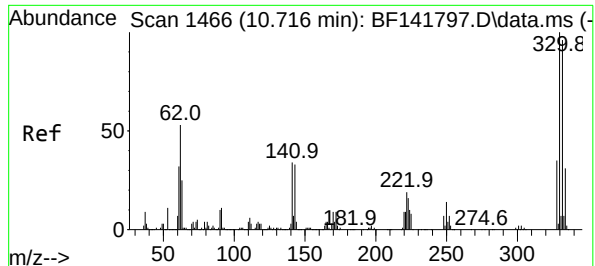
Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

Tgt Ion: 164 Resp: 303926

Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.6	120.8
160	45.2	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 220.447 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-03-COMP-022825

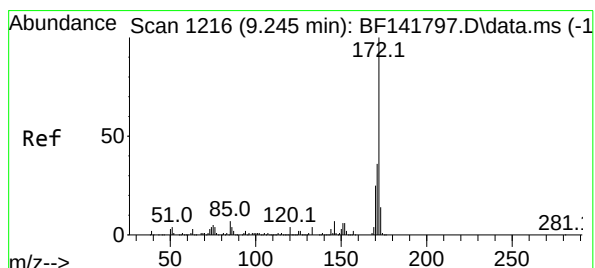
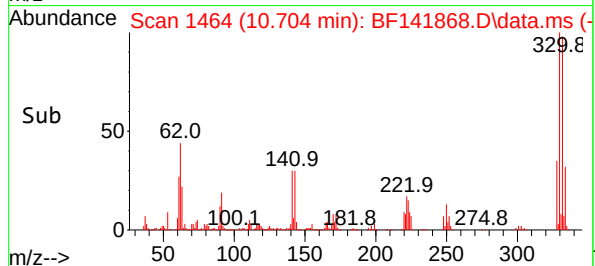
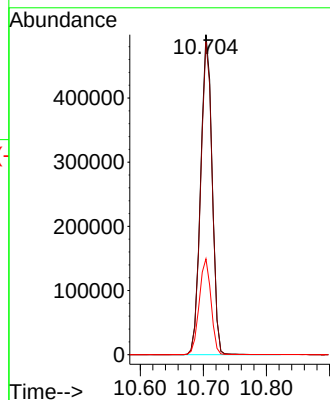
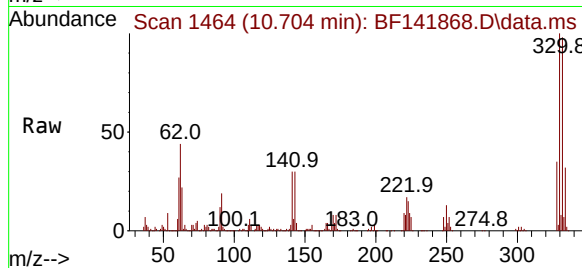
Tgt Ion:330 Resp: 629004

Ion Ratio Lower Upper

330 100

332 97.9 76.6 115.0

141 30.8 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 124.166 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141868.D

Acq: 06 Mar 2025 15:01

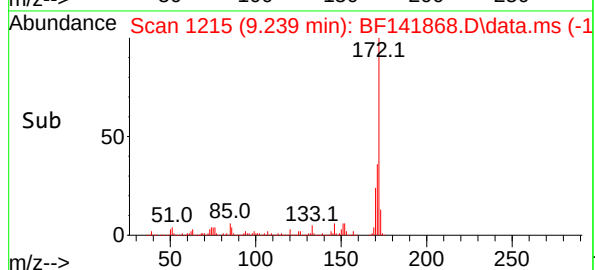
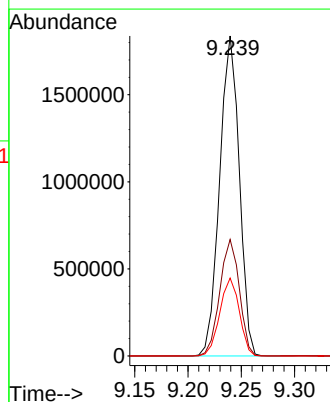
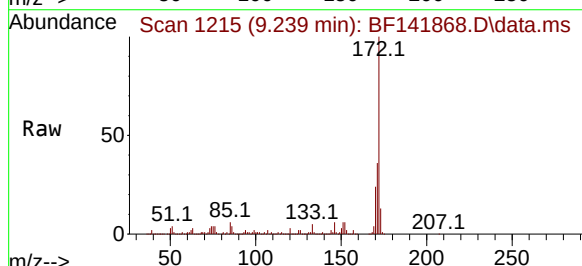
Tgt Ion:172 Resp: 2353505

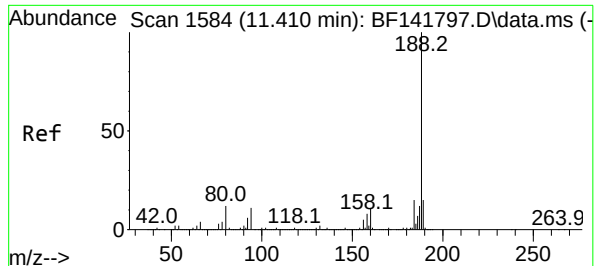
Ion Ratio Lower Upper

172 100

171 36.4 29.2 43.8

170 24.4 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: BF141868.D

Acq: 06 Mar 2025 15:01

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-IW-03-COMP-022825

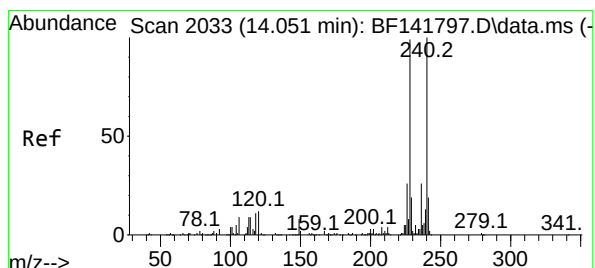
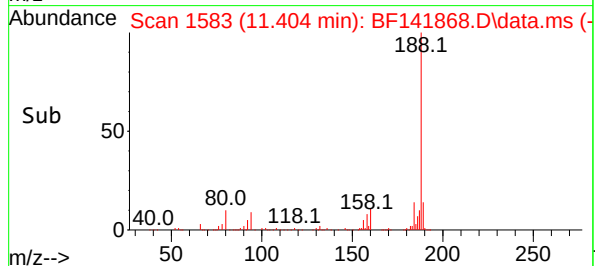
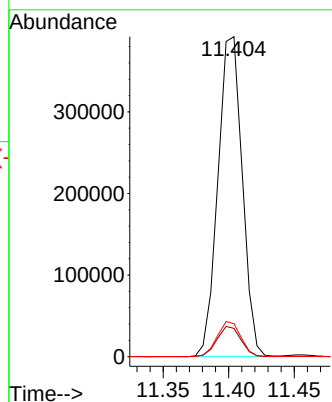
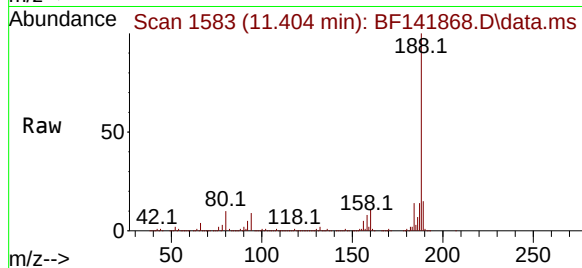
Tgt Ion:188 Resp: 506428

Ion Ratio Lower Upper

188 100

94 8.9 8.9 13.3#

80 10.3 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: BF141868.D

Acq: 06 Mar 2025 15:01

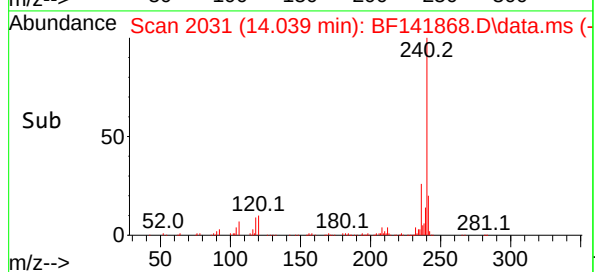
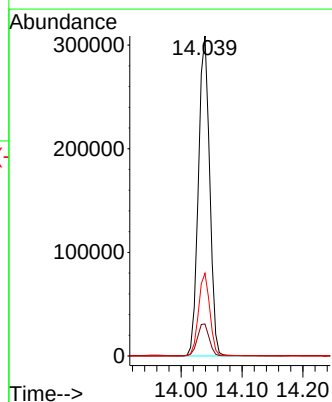
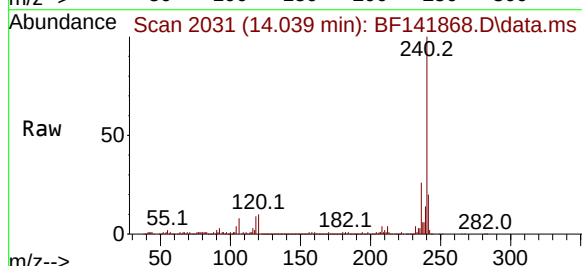
Tgt Ion:240 Resp: 396116

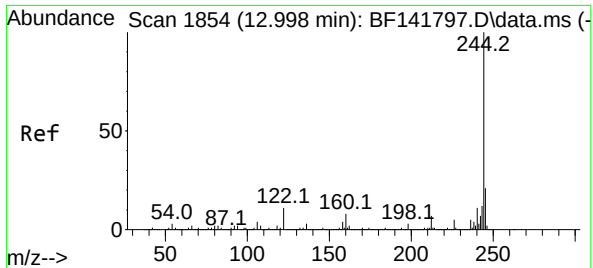
Ion Ratio Lower Upper

240 100

120 10.0 9.7 14.5

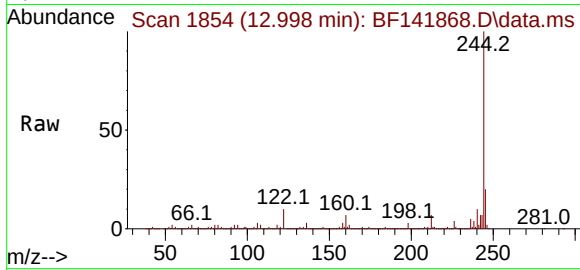
236 25.9 21.0 31.4



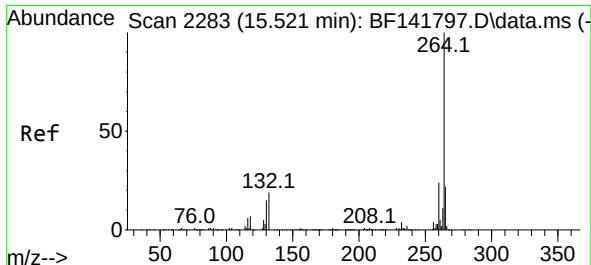
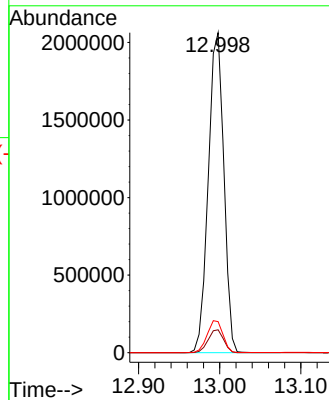
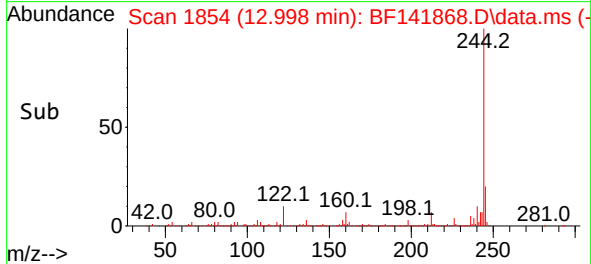


#79
Terphenyl-d14
Concen: 111.710 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

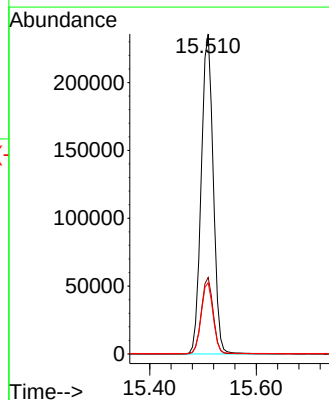
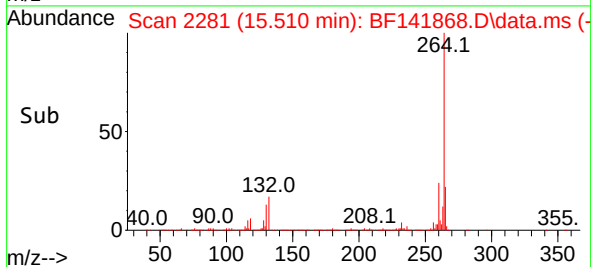
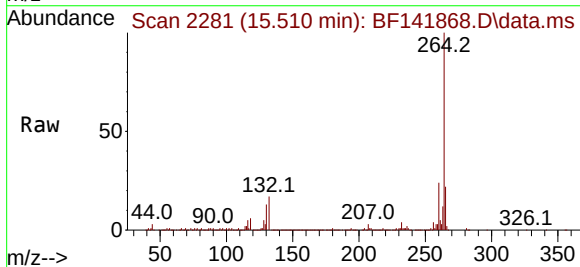


Tgt Ion:244 Resp: 2735004
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.7 9.0 13.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141868.D
Acq: 06 Mar 2025 15:01

Tgt Ion:264 Resp: 368667
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.3 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141868.D
 Acq On : 06 Mar 2025 15:01
 Operator : RC/JU
 Sample : Q1478-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-IW-03-COMP-022825

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141868.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	4	11	27	rVB	3022632	4889276	10.50%	3.536%
2	2.534	61	75	91	rVB	619718	1131415	2.43%	0.818%
3	4.551	410	418	426	rBV	354543	524772	1.13%	0.380%
4	5.498	568	579	584	rBV	1938602	2569729	5.52%	1.858%
5	6.498	744	749	760	rVB	1271938	1631381	3.50%	1.180%
6	6.887	810	815	820	rBV	692812	896277	1.93%	0.648%
7	7.445	903	910	915	rBV	2792445	3842220	8.25%	2.779%
8	8.063	1010	1015	1025	rBV	382554	502812	1.08%	0.364%
9	8.163	1027	1032	1039	rVB	925429	1159805	2.49%	0.839%
10	8.898	1151	1157	1160	rBV	503255	635088	1.36%	0.459%
11	9.239	1209	1215	1220	rBV	5499243	7036824	15.11%	5.089%
12	9.498	1254	1259	1268	rBV	1909997	2429064	5.22%	1.757%
13	9.916	1325	1330	1342	rVB	1070436	1360416	2.92%	0.984%
14	10.704	1455	1464	1469	rBV	3777666	4832207	10.38%	3.495%
15	10.945	1497	1505	1509	rBV3	254293	491217	1.06%	0.355%
16	11.116	1529	1534	1539	rBV	974235	1193286	2.56%	0.863%
17	11.404	1578	1583	1590	rVB	981055	1287473	2.77%	0.931%
18	11.810	1644	1652	1657	rBV	13603405	21715609	46.64%	15.704%
19	11.863	1657	1661	1666	rVB	387568	482686	1.04%	0.349%
20	11.927	1666	1672	1679	rBV	319628	520547	1.12%	0.376%
21	11.992	1679	1683	1690	rVB	756881	982446	2.11%	0.710%
22	12.510	1760	1771	1773	rBV2	19622358	46559181	100.00%	33.671%
23	12.598	1781	1786	1791	rVB	9759403	12911206	27.73%	9.337%
24	12.998	1848	1854	1858	rBV	5424168	7268462	15.61%	5.256%
25	13.163	1876	1882	1888	rBV5	190781	521517	1.12%	0.377%
26	13.233	1888	1894	1901	rVB	544338	912918	1.96%	0.660%
27	13.316	1901	1908	1914	rBV2	889888	1892828	4.07%	1.369%
28	13.374	1914	1918	1922	rVV2	366286	543305	1.17%	0.393%
29	13.516	1937	1942	1954	rVB	1083793	1718771	3.69%	1.243%
30	13.645	1961	1964	1967	rVV2	413615	656679	1.41%	0.475%
31	13.674	1967	1969	1974	rVV	416862	574787	1.23%	0.416%
32	13.739	1974	1980	1987	rVB2	600828	1093391	2.35%	0.791%
33	13.839	1987	1997	2007	rBV5	138736	492010	1.06%	0.356%
34	13.980	2017	2021	2025	rVB	672542	855497	1.84%	0.619%
35	14.039	2026	2031	2039	rVB	847789	1130392	2.43%	0.817%
36	15.510	2275	2281	2295	rVB	637477	1031713	2.22%	0.746%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

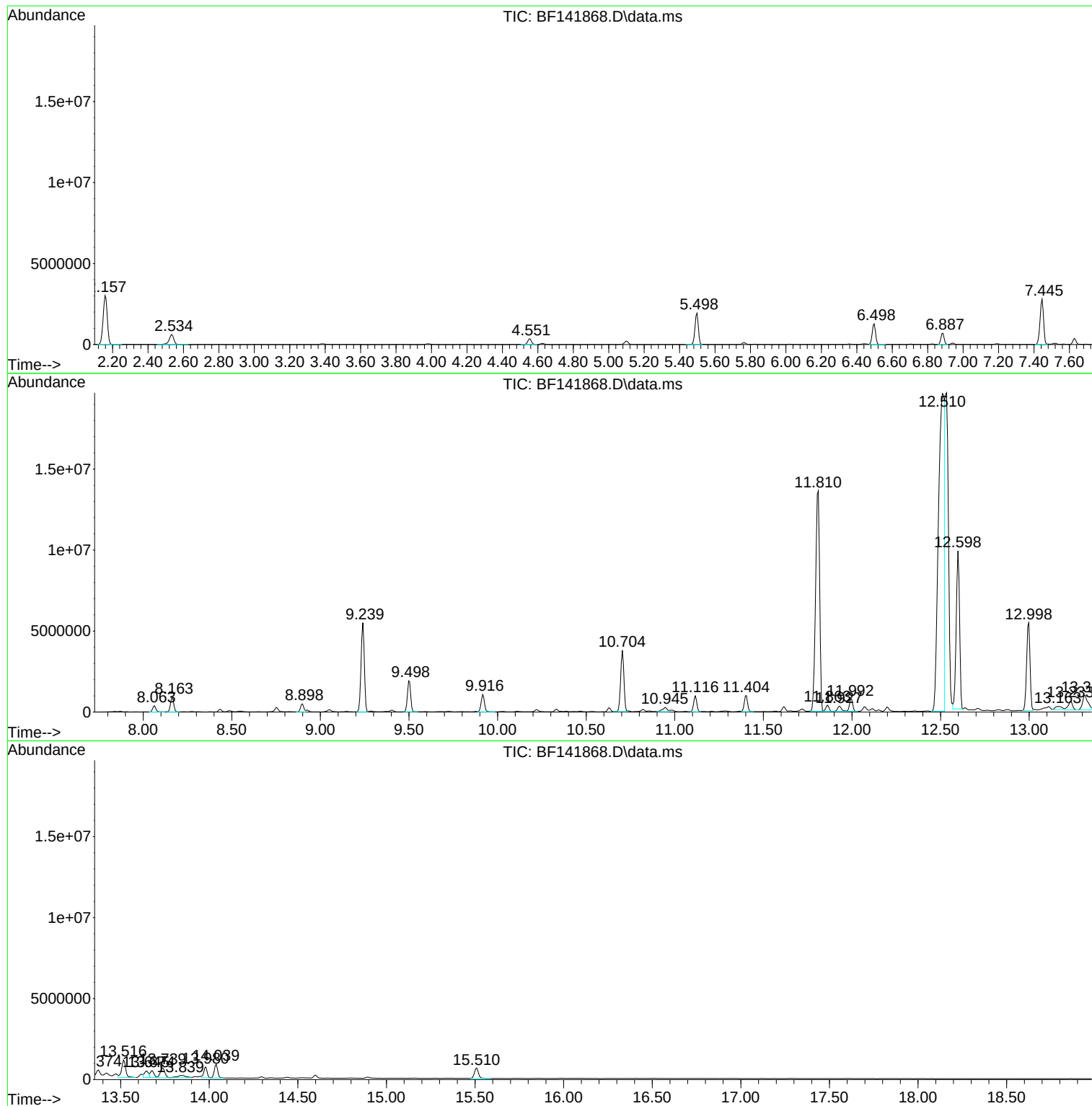
Sum of corrected areas: 138277207

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

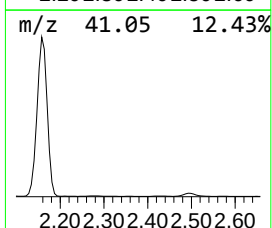
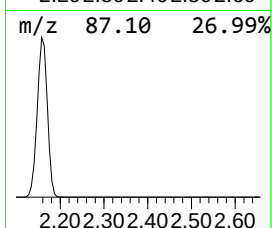
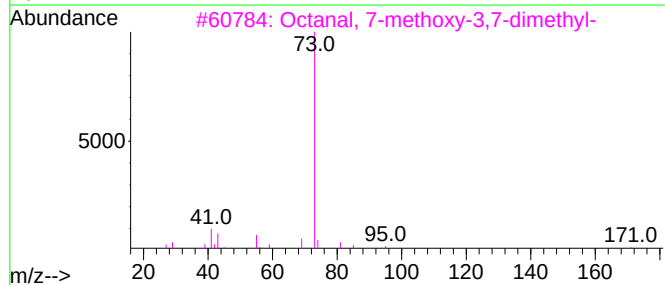
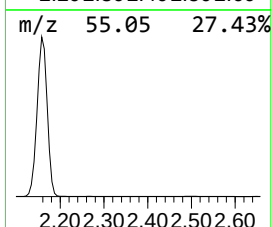
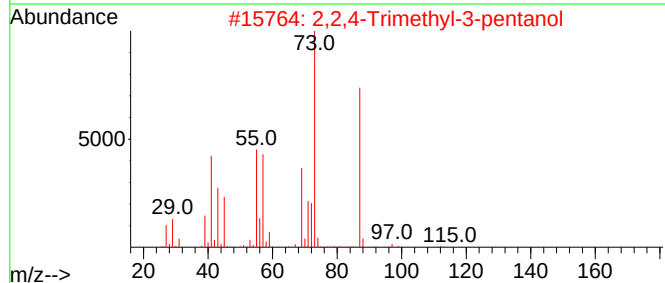
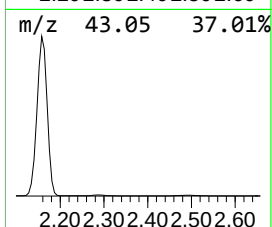
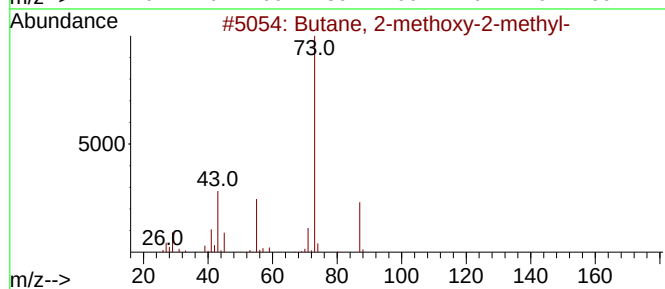
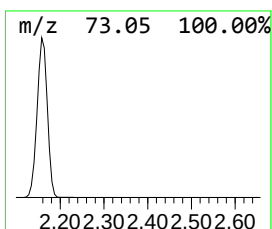
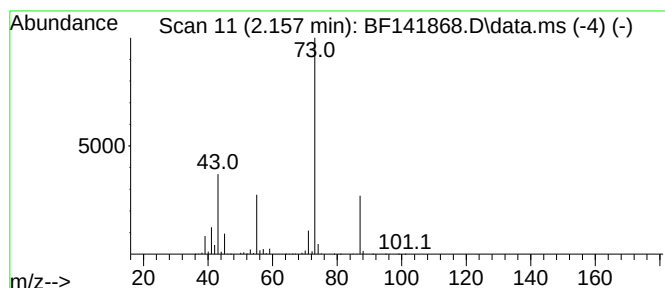
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	109.10 ng	4889280	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

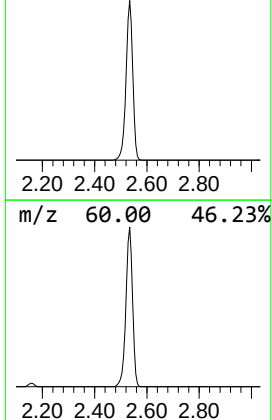
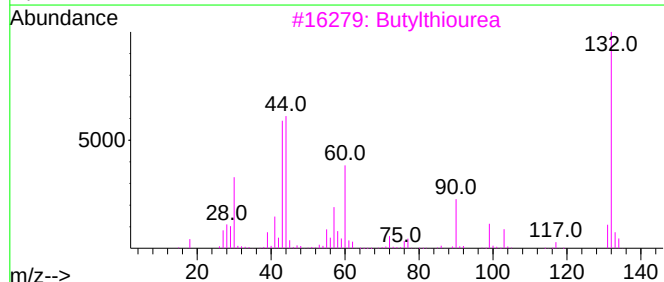
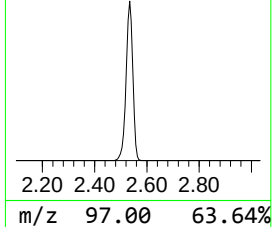
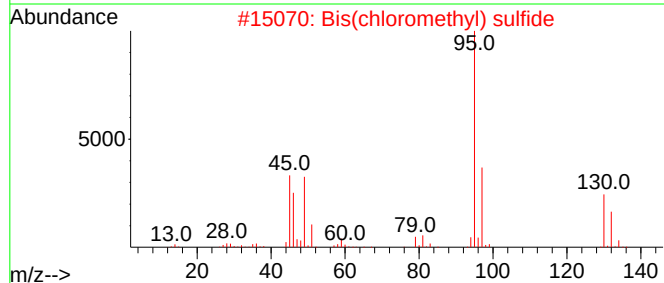
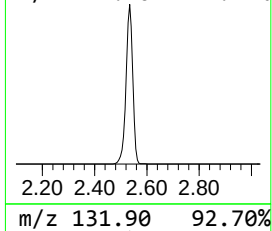
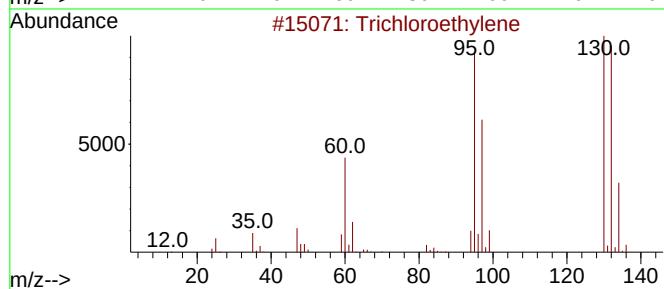
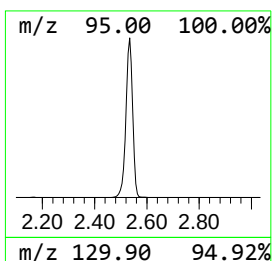
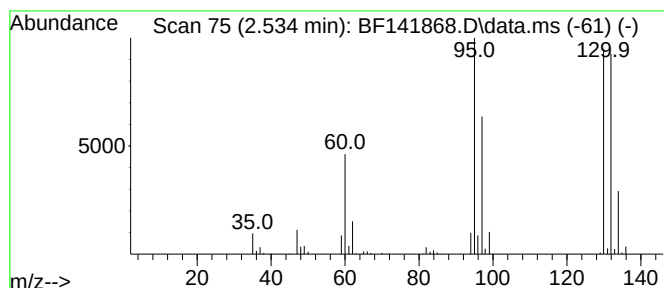
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Trichloroethylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.534	25.25 ng	1131420	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroethylene	130	C2HCl3	000079-01-6	99
2			Bis(chloromethyl) sulfide	130	C2H4Cl2S	003592-44-7	58
3			Butylthiourea	132	C5H12N2S	001516-32-1	10
4			Pyridine, 1-oxide	95	C5H5NO	000694-59-7	10
5			1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

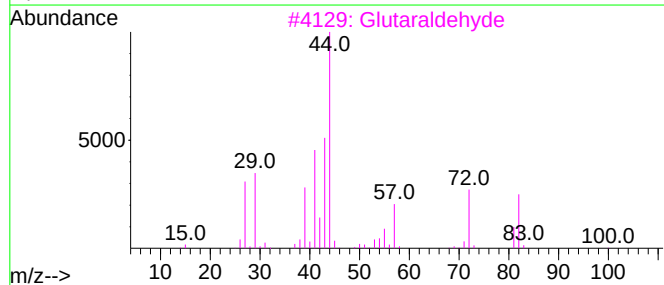
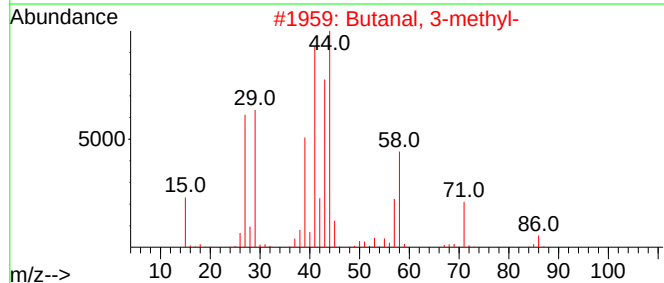
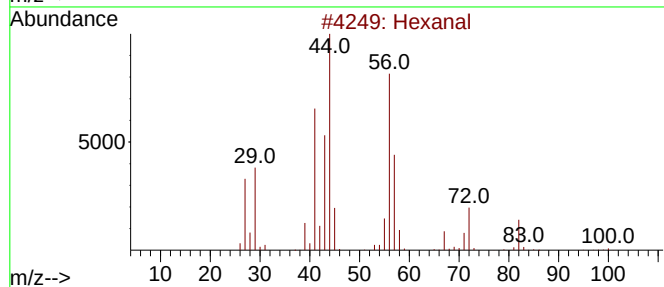
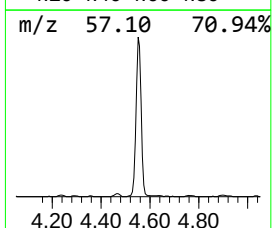
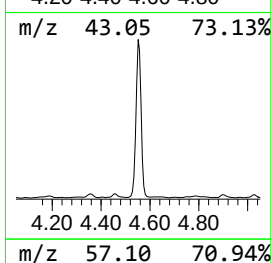
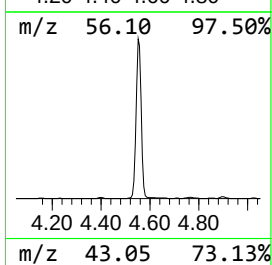
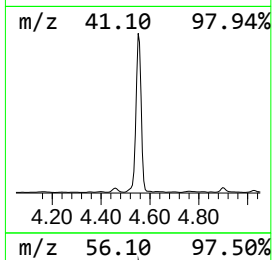
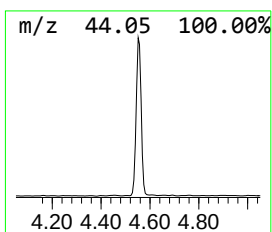
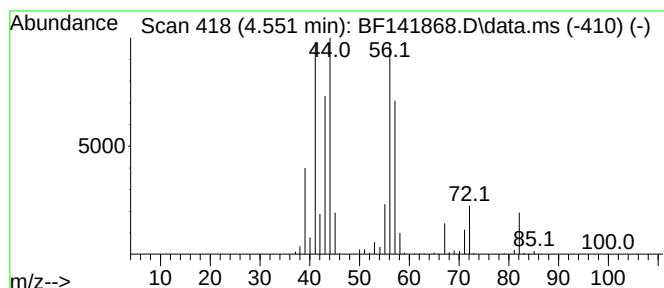
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexanal Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.551	11.71 ng	524772	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanal	100	C6H12O	000066-25-1	80
2			Butanal, 3-methyl-	86	C5H10O	000590-86-3	25
3			Glutaraldehyde	100	C5H8O2	000111-30-8	14
4			Cyclobutane	56	C4H8	000287-23-0	14
5			Butanal	72	C4H8O	000123-72-8	12



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Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

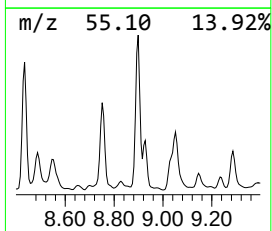
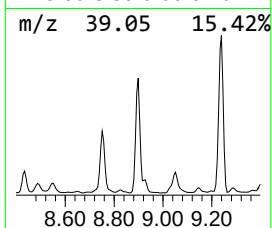
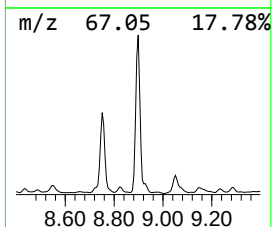
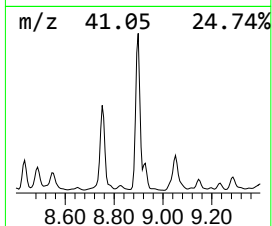
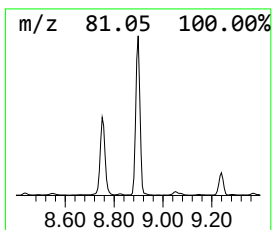
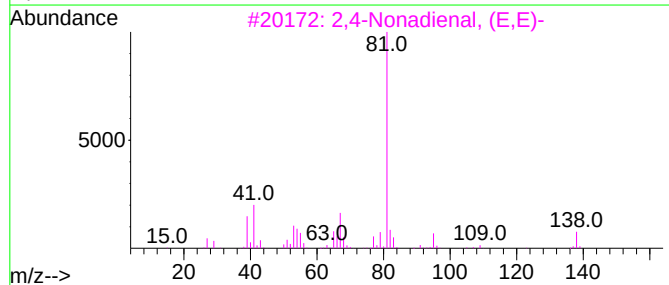
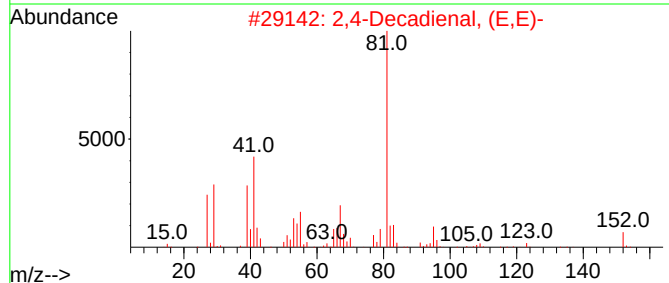
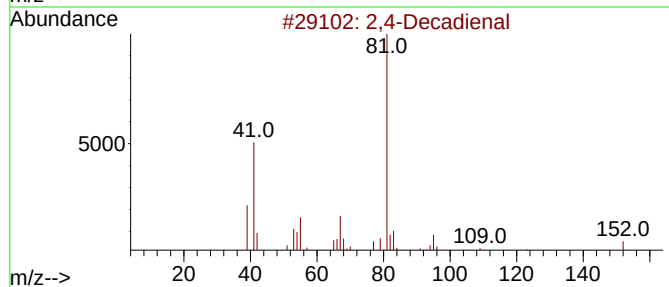
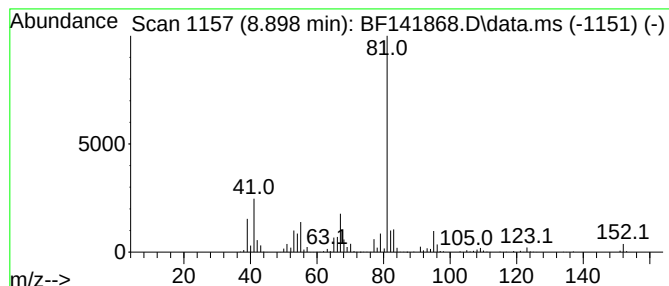
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2,4-Decadienal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.898	10.95 ng	635088	Naphthalene-d8	8.163

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,4-Decadienal	152	C10H16O	002363-88-4	91
2		2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	91
3		2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	78
4		2,4-Nonadienal	138	C9H14O	006750-03-4	78
5		Furan, 2-hexyl-	152	C10H16O	003777-70-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
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Instrument :
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ClientSampleId :
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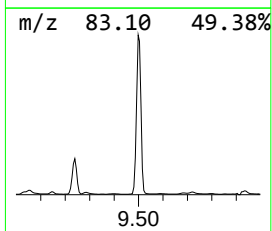
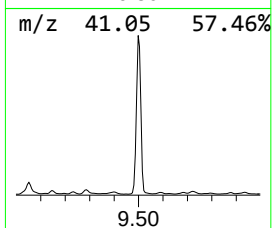
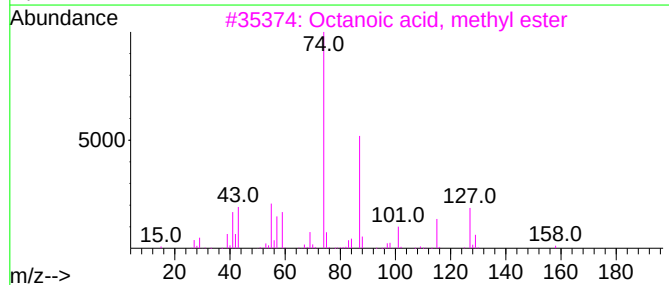
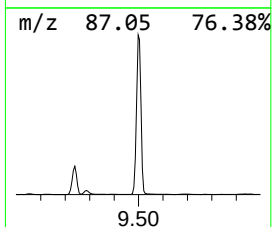
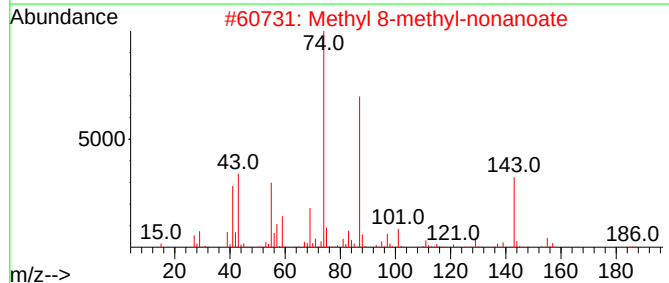
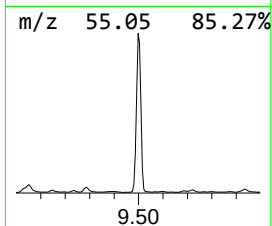
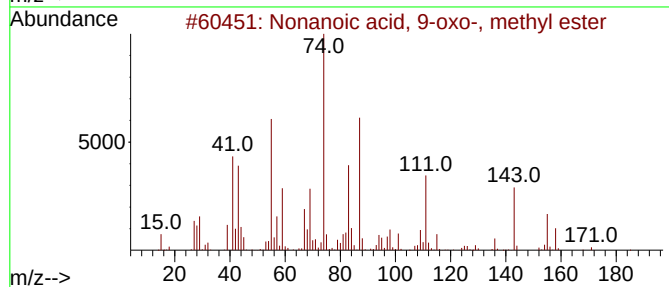
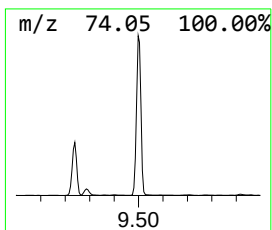
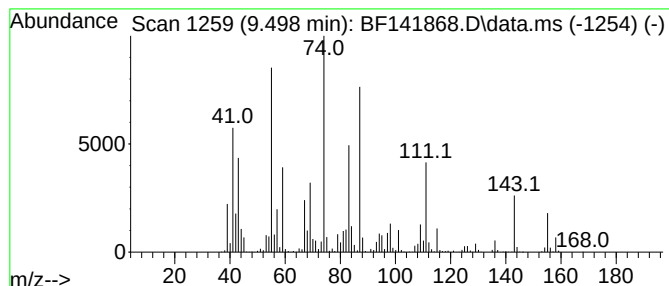
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Nonanoic acid, 9-oxo-, meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.498	35.71 ng	2429060	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanoic acid, 9-oxo-, methyl ester	186	C10H18O3	001931-63-1	91
2			Methyl 8-methyl-nonanoate	186	C11H22O2	1000452-00-9	47
3			Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	43
4			Pentanoic acid, 4-methyl-, methy...	130	C7H14O2	002412-80-8	43
5			7-Methyloctanoic acid, methyl ester	172	C10H20O2	005129-53-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
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Instrument :
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ClientSampleId :
IDW-AQ-IW-03-COMP-022825

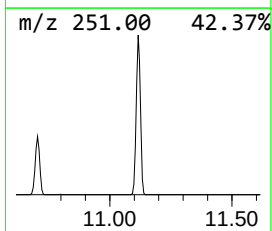
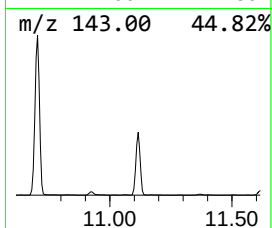
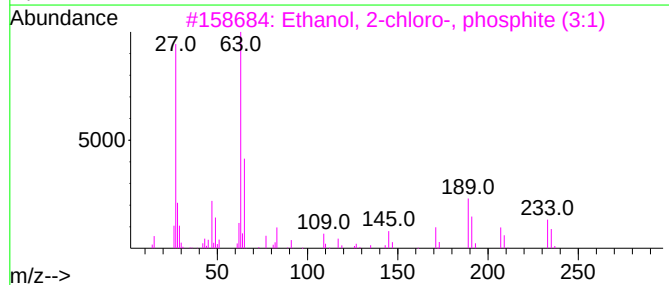
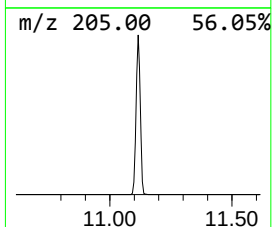
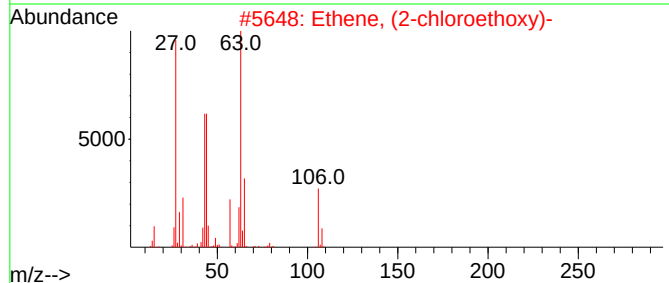
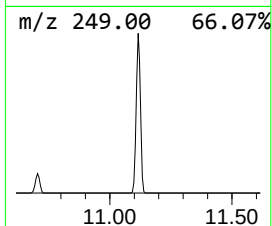
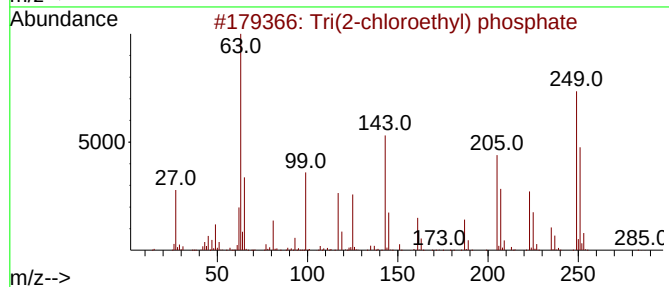
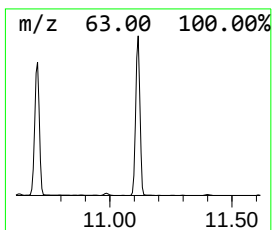
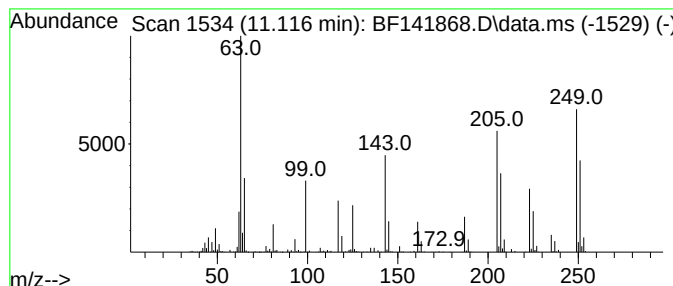
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tri(2-chloroethyl) phosphate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	18.54 ng	1193290	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	95
2			Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	47
3			Ethanol, 2-chloro-, phosphite (3:1)	268	C6H12Cl3O3P	000140-08-9	38
4			Oxalyl chloride	126	C2Cl2O2	000079-37-8	38
5			Trichloroacetic acid, 2-chloroet...	224	C4H4Cl4O2	1000330-88-7	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
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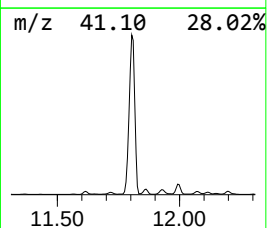
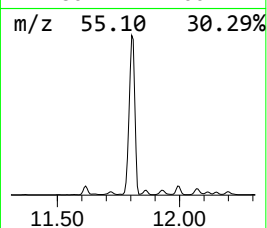
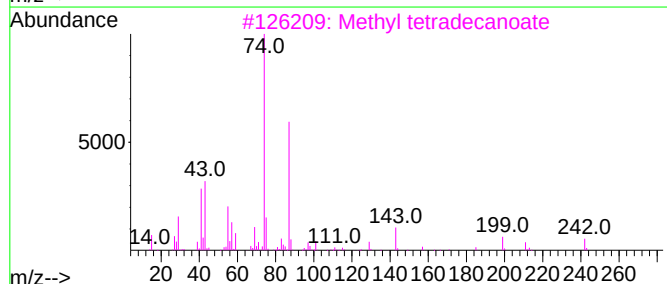
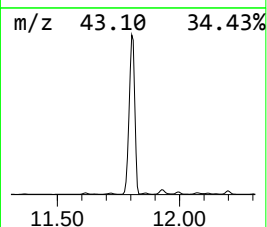
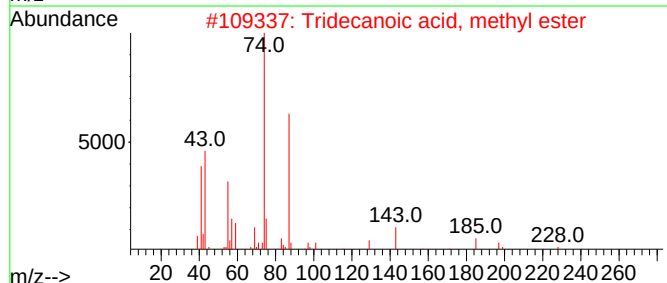
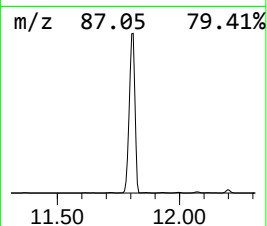
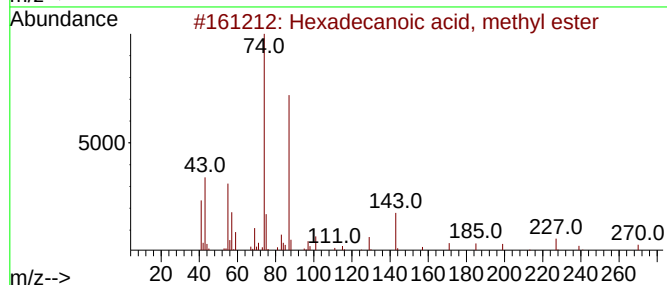
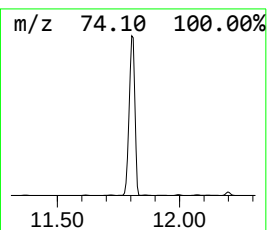
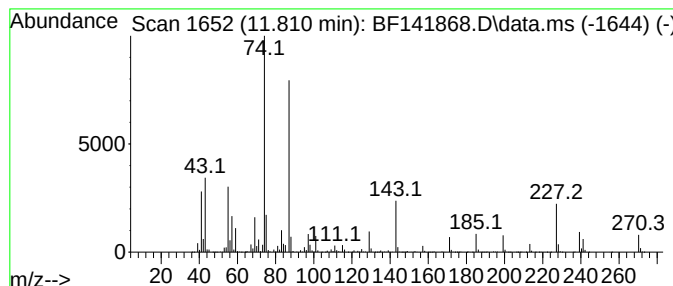
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.810	337.34 ng	21715600	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester		270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester		228	C14H28O2	001731-88-0	95
3	Methyl tetradecanoate		242	C15H30O2	000124-10-7	90
4	Methyl 9-methyltetradecanoate		256	C16H32O2	213617-69-7	81
5	Hexadecanoic acid, 2-methyl-		270	C17H34O2	027147-71-3	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
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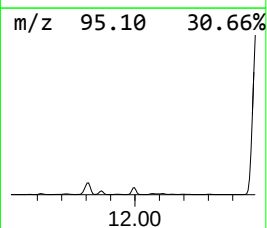
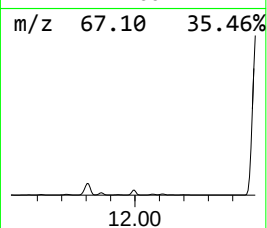
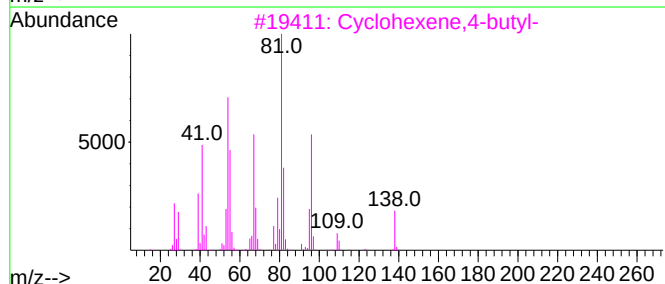
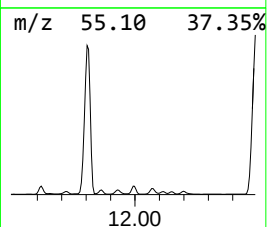
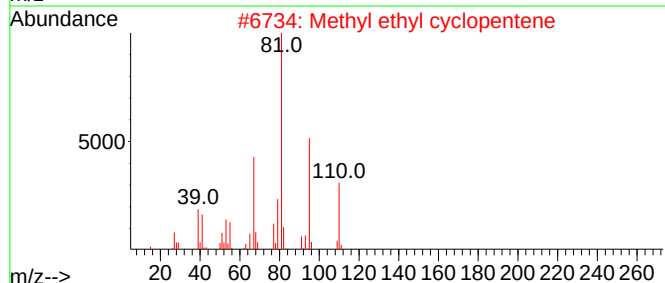
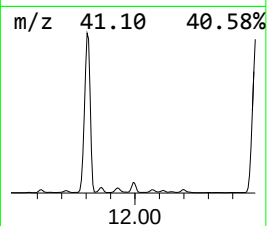
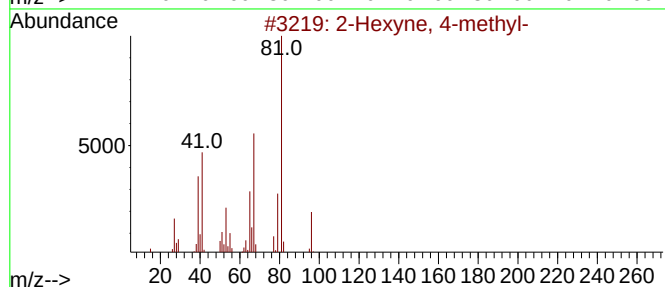
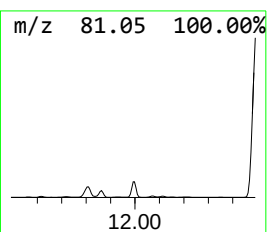
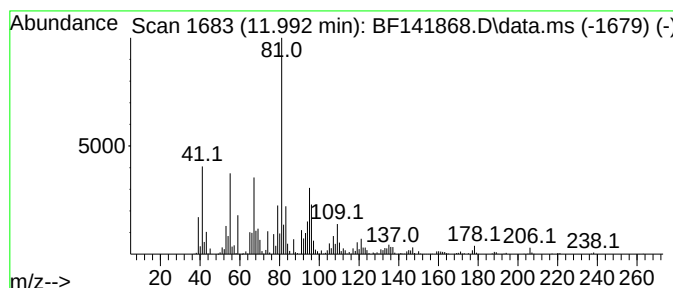
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 2-Hexyne, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.992	15.26 ng	982446	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	53
2	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	52
3	Cyclohexene,4-butyl-	138	C10H18	021524-26-5	50
4	Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	50
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
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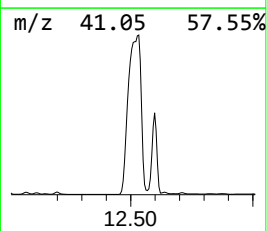
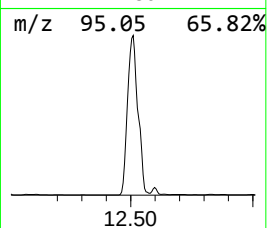
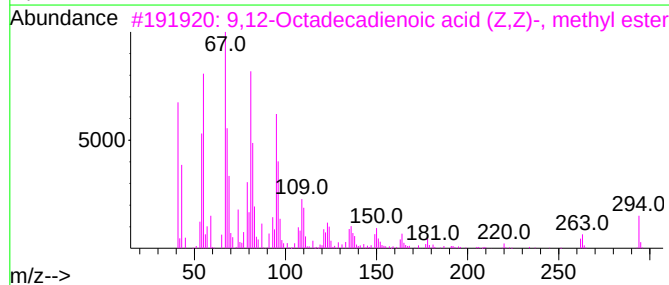
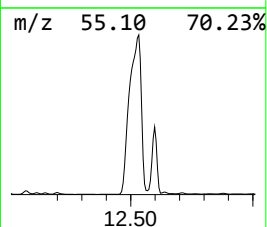
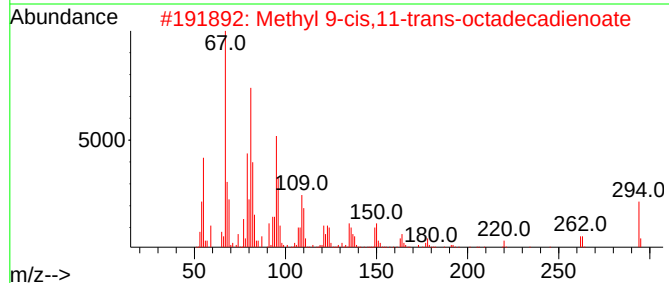
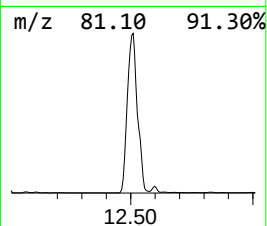
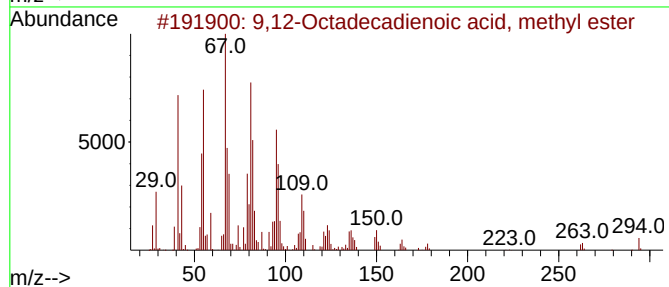
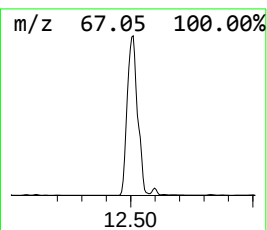
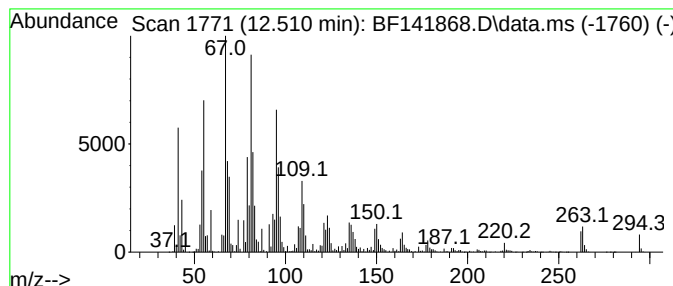
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	723.26 ng	46559200	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2			Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	99
3			9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4			8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
5			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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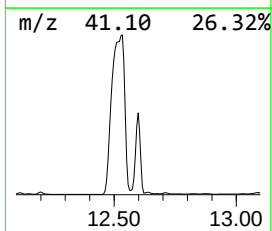
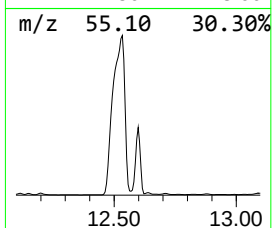
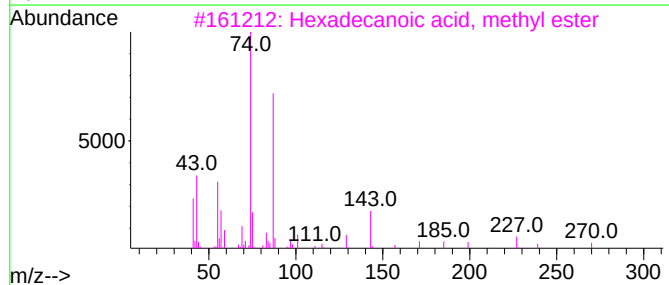
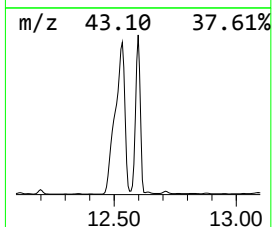
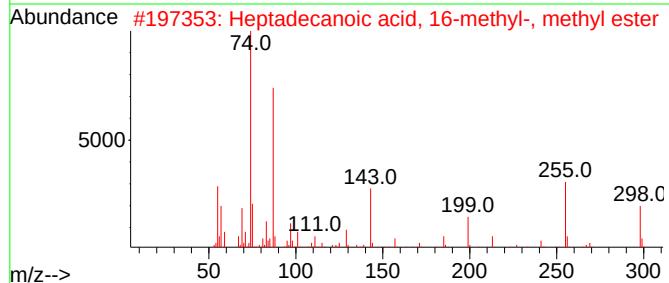
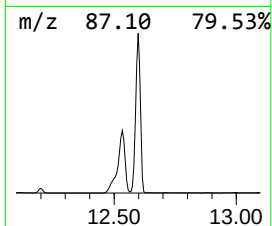
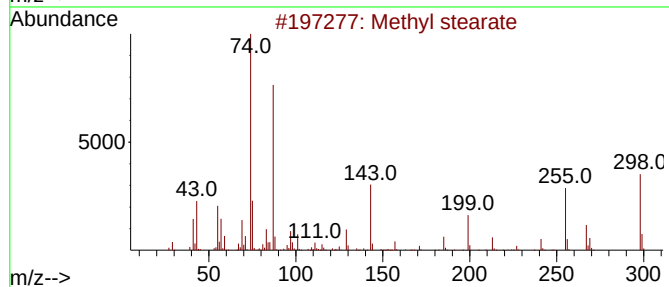
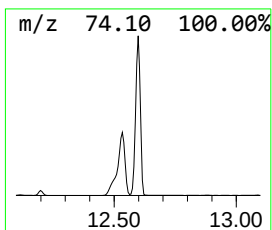
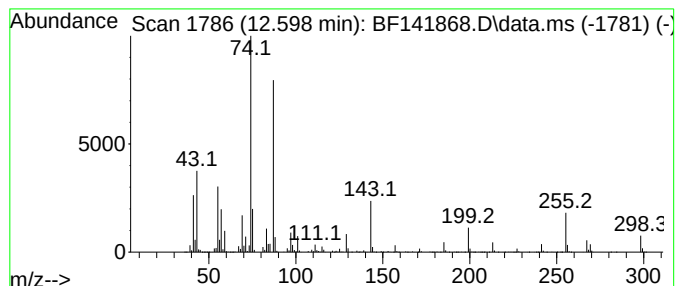
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Methyl stearate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.598	200.57 ng	12911200	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methyl stearate	298	C19H38O2	000112-61-8	98
2			Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
3			Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
4			Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
5			Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

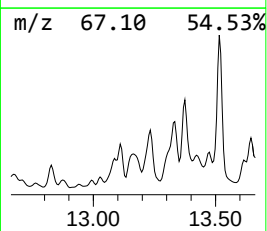
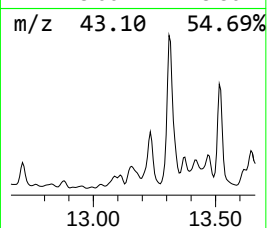
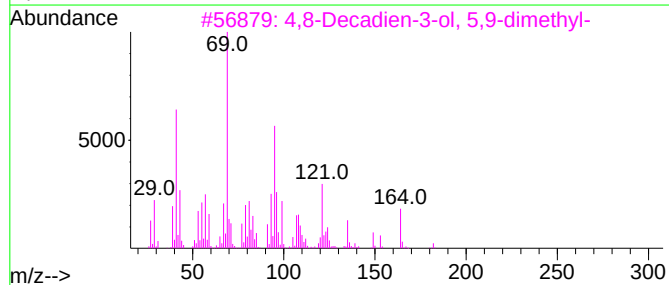
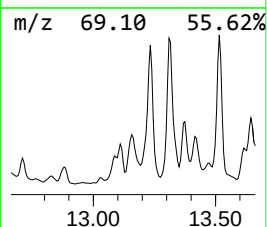
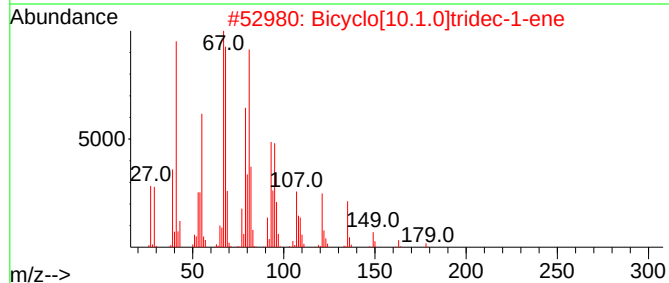
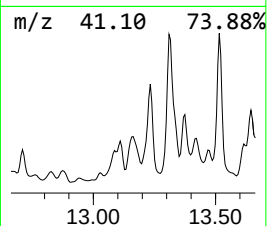
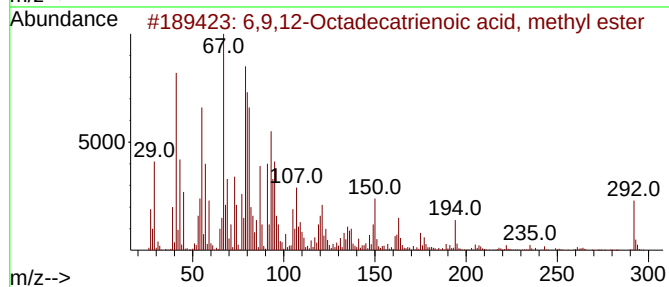
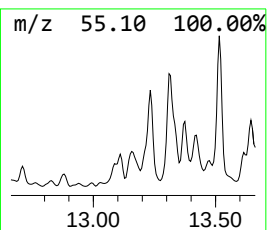
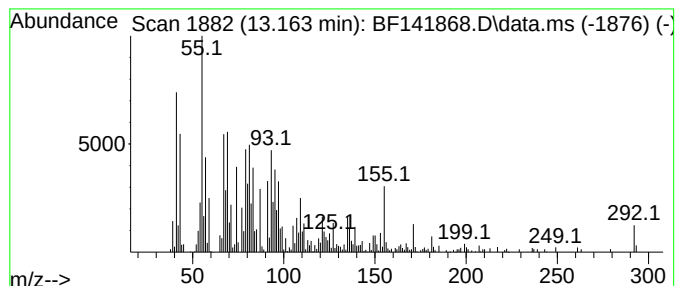
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown13.163 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.163	9.23 ng	521517	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6,9,12-Octadecatrienoic acid, me...	292	C19H32O2	002676-41-7	49
2			Bicyclo[10.1.0]tridec-1-ene	178	C13H22	054766-91-5	35
3			4,8-Decadien-3-ol, 5,9-dimethyl-	182	C12H22O	067845-54-9	35
4			1,5-Cyclodecadiene, (E,Z)-	136	C10H16	001124-78-3	35
5			(1R,2S,4R)-2,7,7-Trimethylbicycl...	154	C10H18O	003247-40-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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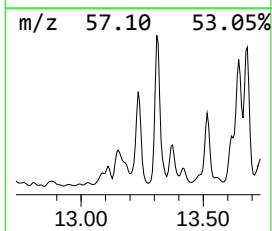
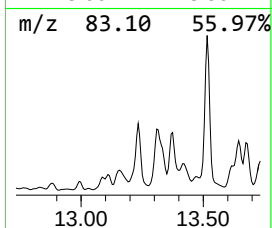
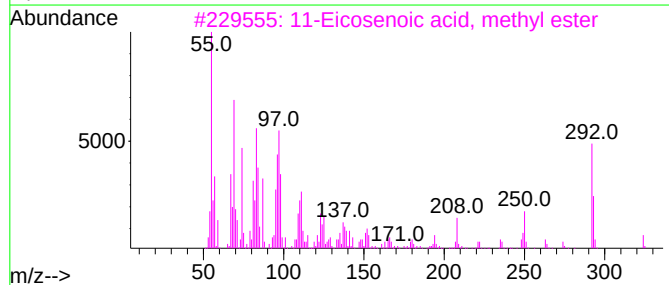
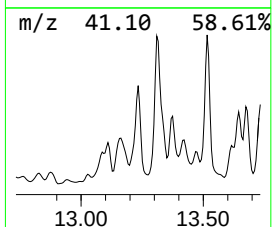
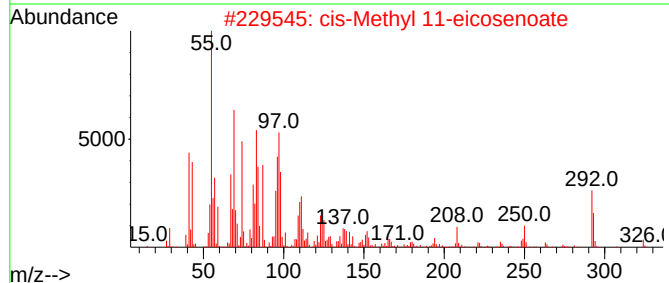
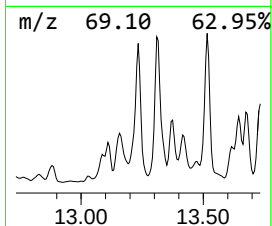
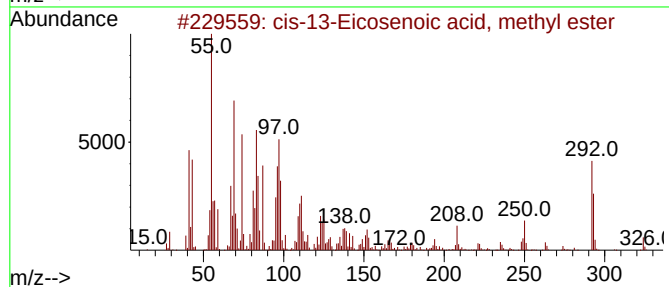
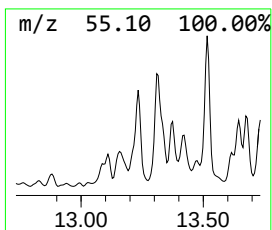
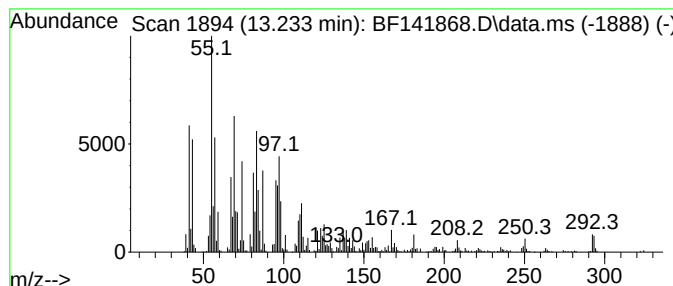
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 cis-13-Eicosenoic acid, met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.233	16.15 ng	912918	Chrysene-d12	14.039	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-13-Eicosenoic acid, methyl e...	324	C21H40O2	069120-02-1	99
2	cis-Methyl 11-eicosenoate	324	C21H40O2	002390-09-2	99
3	11-Eicosenoic acid, methyl ester	324	C21H40O2	003946-08-5	99
4	cis-10-Heptadecenoic acid, methy...	282	C18H34O2	1000333-62-1	93
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

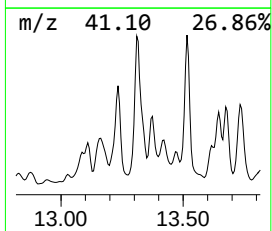
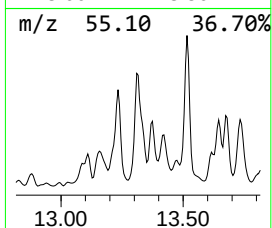
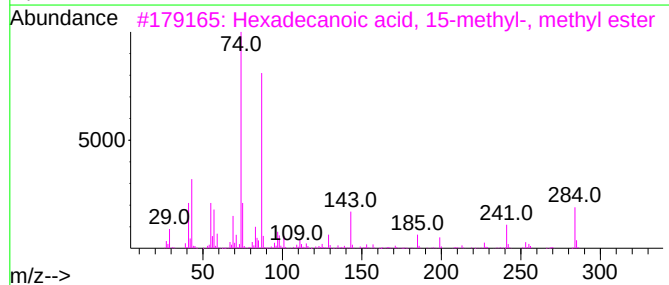
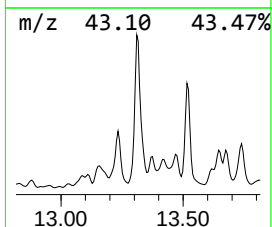
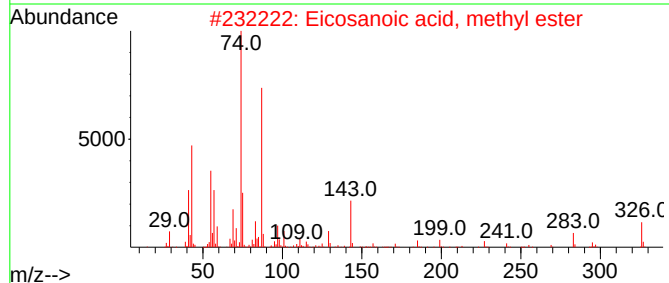
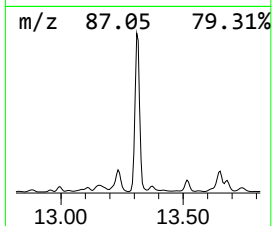
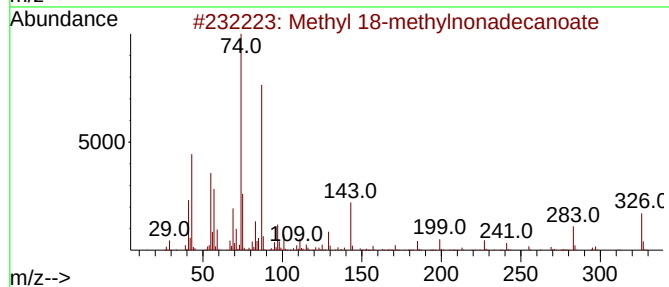
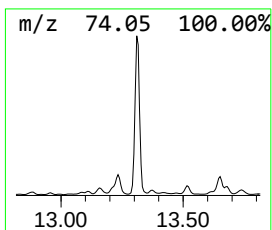
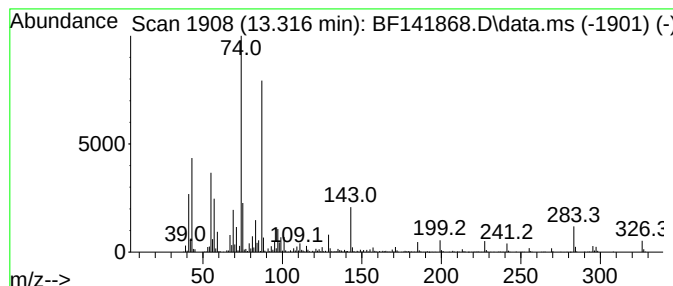
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Methyl 18-methylnonadecanoate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.316	33.49 ng	1892830	Chrysene-d12	14.039	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 18-methylnonadecanoate	326	C21H42O2	1000424-52-4	97
2	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	97
3	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	96
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	94
5	Methyl stearate	298	C19H38O2	000112-61-8	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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IDW-AQ-IW-03-COMP-022825

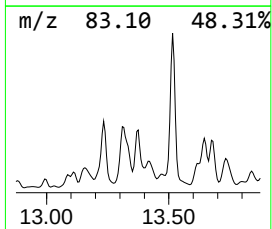
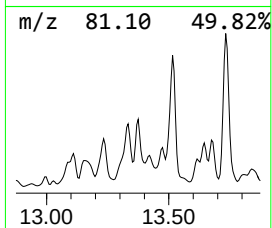
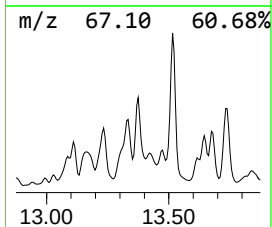
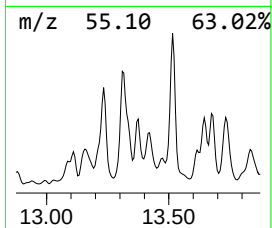
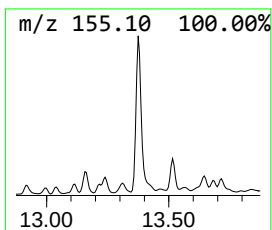
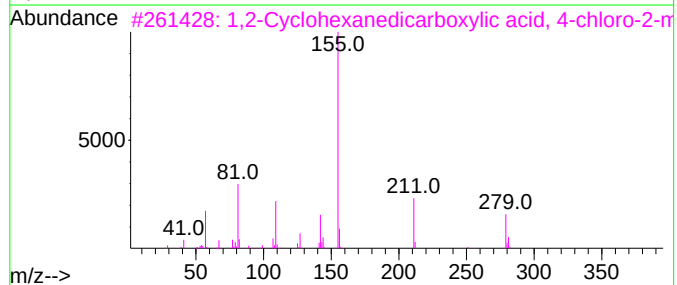
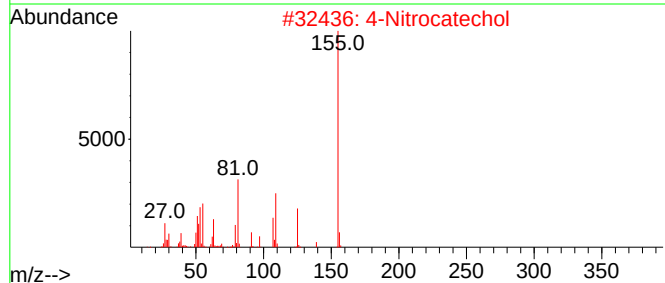
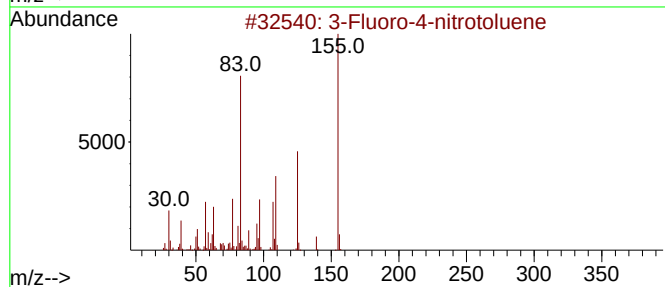
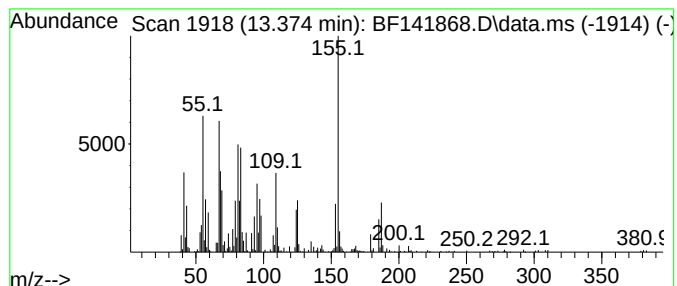
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown13.374 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.374	9.61 ng	543305	Chrysene-d12	14.039

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Fluoro-4-nitrotoluene	155	C7H6FN02	000446-34-4	50
2		4-Nitrocatechol	155	C6H5N04	003316-09-4	38
3		1,2-Cyclohexanedicarboxylic acid...	352	C19H25Cl04	1000339-79-1	27
4		2-Acetylthiophene-O-methyloxime	155	C7H9N0S	1000342-45-6	27
5		1,2-Cyclohexanedicarboxylic acid...	372	C18H22Cl204	1000339-84-2	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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Acq On : 06 Mar 2025 15:01
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Sample : Q1478-07
Misc :
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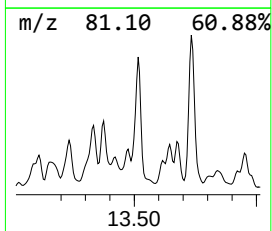
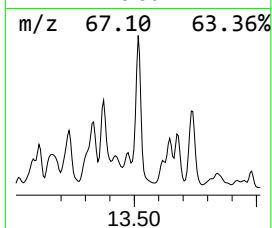
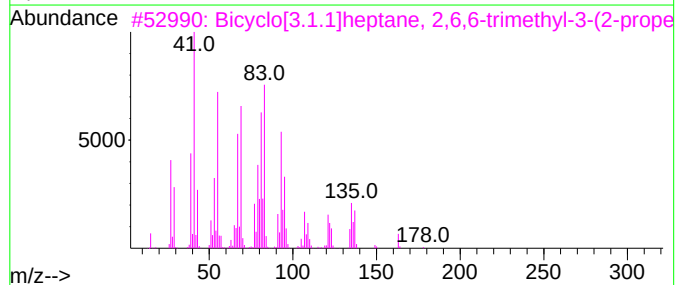
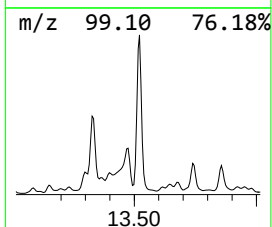
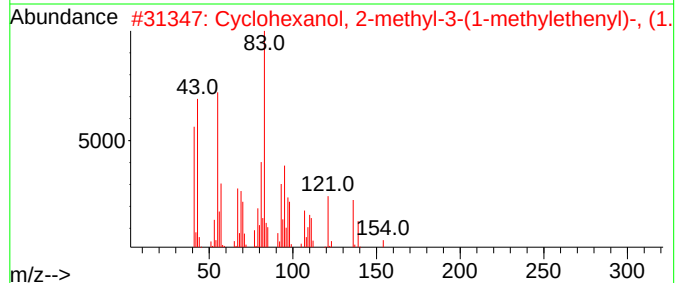
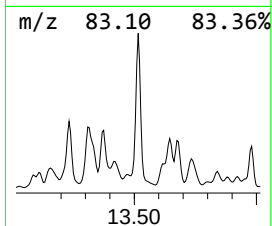
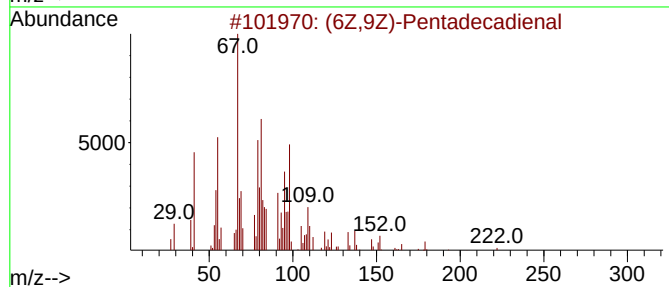
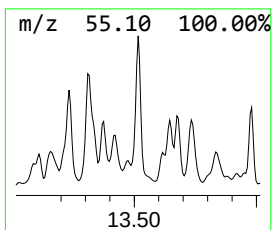
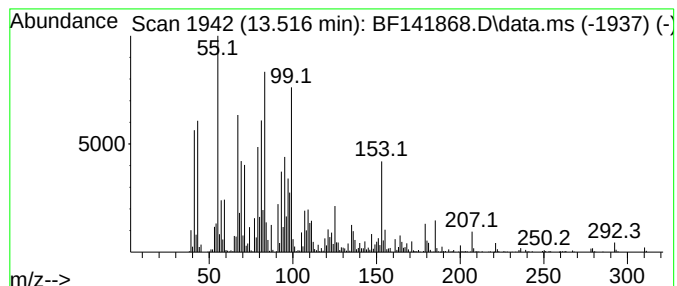
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (6Z,9Z)-Pentadecadienal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.516	30.41 ng	1718770	Chrysene-d12	14.039	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(6Z,9Z)-Pentadecadienal	222	C15H26O	121781-63-3	90
2	Cyclohexanol, 2-methyl-3-(1-meth...	154	C10H18O	054244-81-4	41
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	178	C13H22	050746-55-9	25
4	Tiadinil	267	C11H10ClN3OS	223580-51-6	25
5	Cyclohexaneethanol, .beta.-methy...	140	C9H16O	007697-55-4	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
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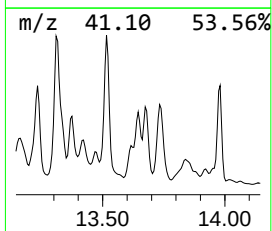
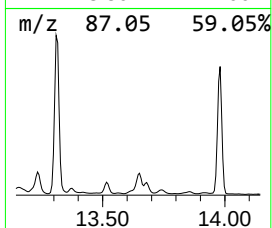
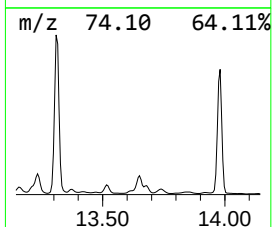
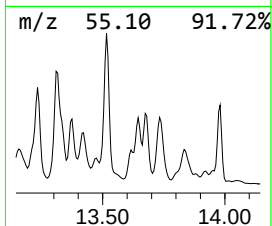
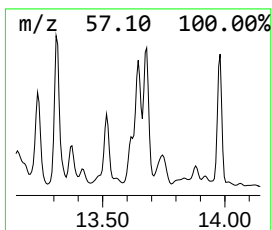
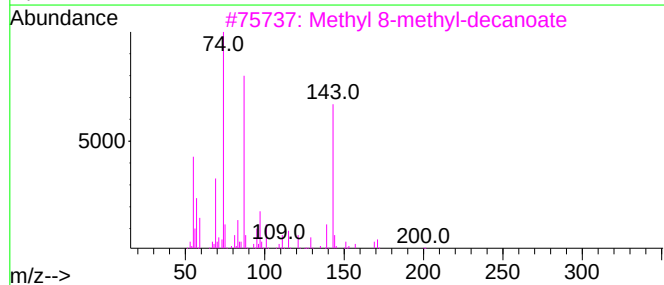
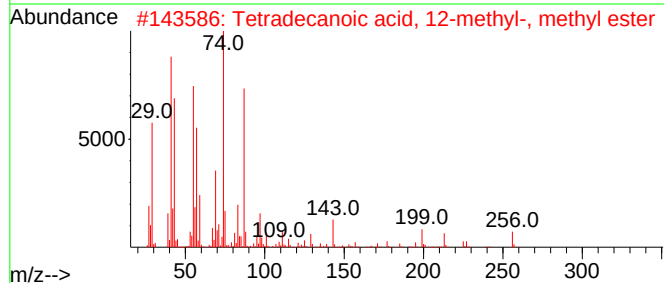
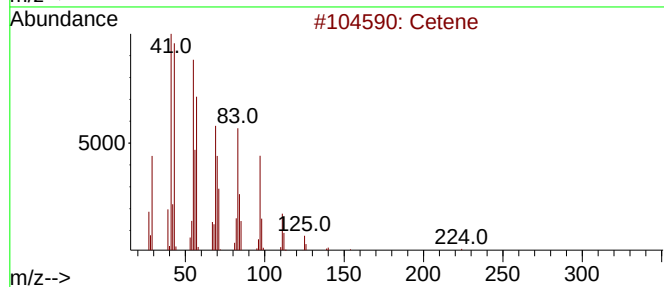
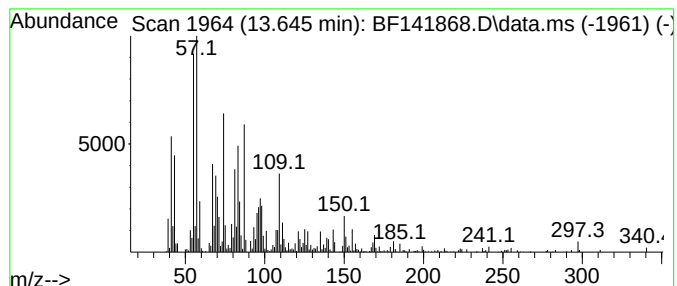
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown13.645 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.645	11.62 ng	656679	Chrysene-d12	14.039

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cetene	224	C16H32	000629-73-2	45
2		Tetradecanoic acid, 12-methyl-, ...	256	C16H32O2	005129-66-8	35
3		Methyl 8-methyl-decanoate	200	C12H24O2	1010336-49-1	25
4		Cyclododecane	168	C12H24	000294-62-2	25
5		Tetradecanoic acid, 5,9,13-trime...	284	C18H36O2	056196-55-5	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

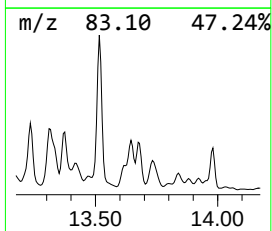
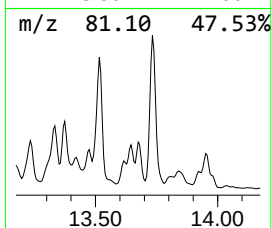
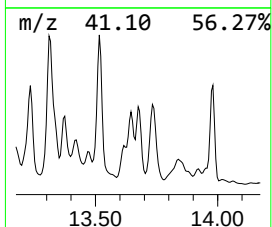
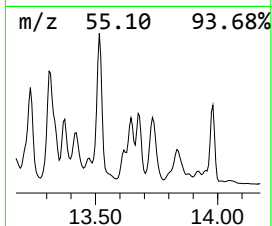
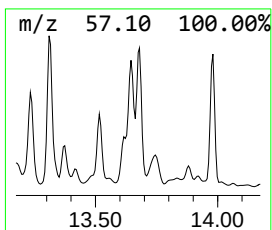
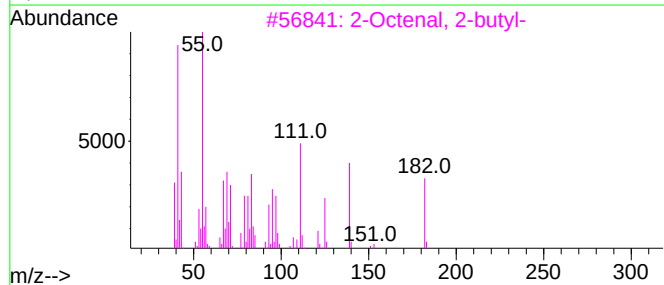
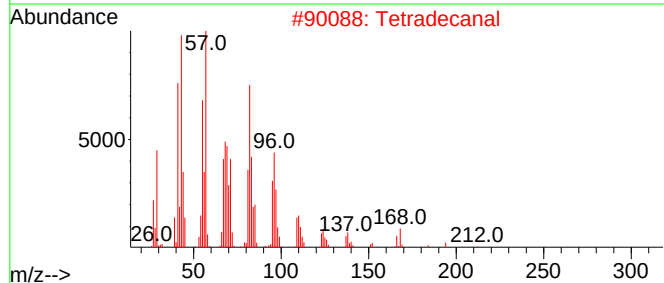
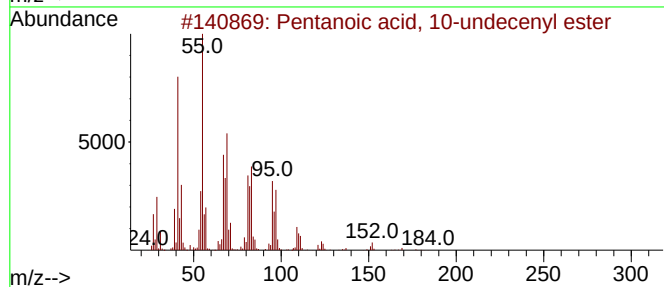
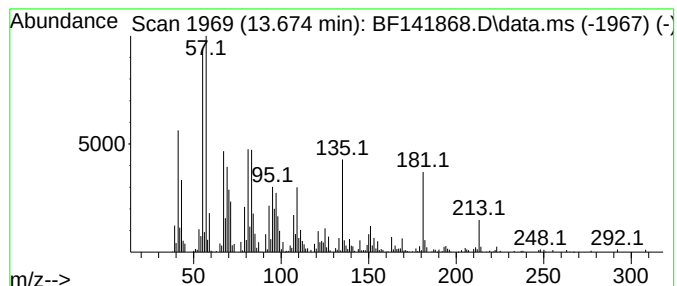
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown13.674 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	10.17 ng	574787	Chrysene-d12	14.039

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentanoic acid, 10-undecenyl ester	254	C16H30O2	1000159-93-4	49
2		Tetradecanal	212	C14H28O	000124-25-4	46
3		2-Octenal, 2-butyl-	182	C12H22O	013019-16-4	38
4		Bicyclo[3.3.1]nonan-9-ol, 9-methyl-	154	C10H18O	033832-25-6	38
5		7-Tetradecenal, (Z)-	210	C14H26O	065128-96-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

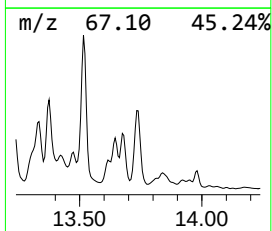
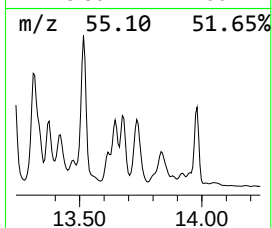
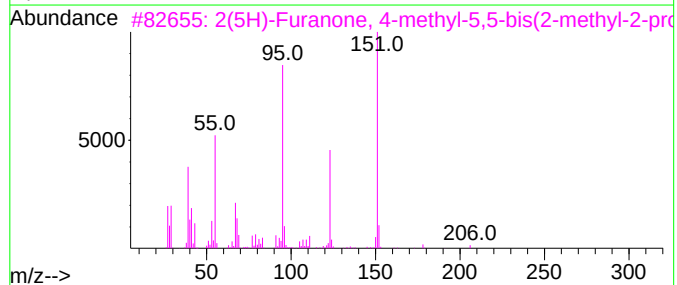
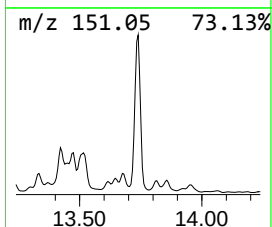
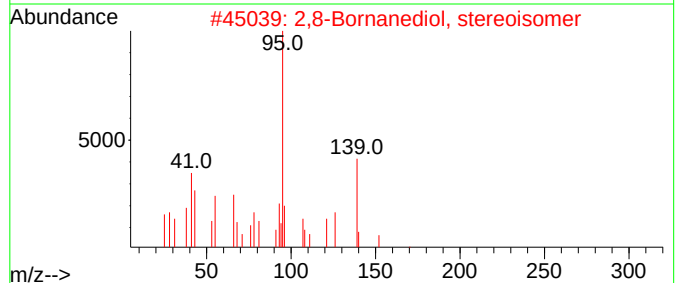
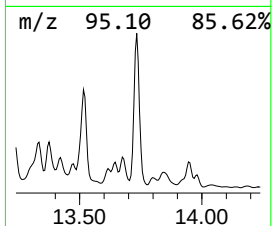
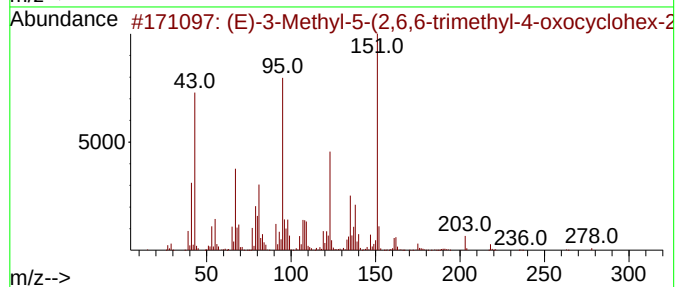
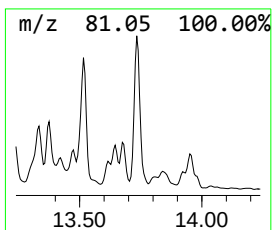
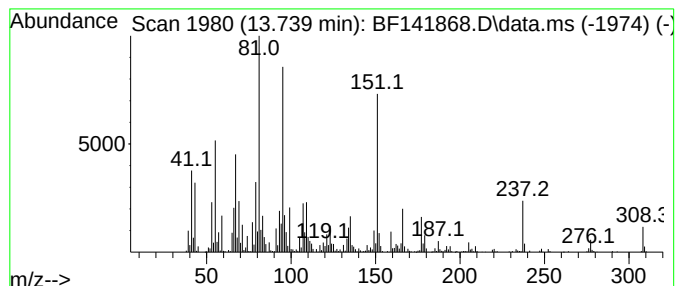
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown13.739 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	19.35 ng	1093390	Chrysene-d12	14.039

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		(E)-3-Methyl-5-(2,6,6-trimethyl-...	278	C17H26O3	1000495-80-8	35
2		2,8-Bornanediol, stereoisomer	170	C10H18O2	013429-50-0	30
3		2(5H)-Furanone, 4-methyl-5,5-bis...	206	C13H18O2	099202-98-9	25
4		Fumaric acid, 2-pentyl but-3-yn-...	238	C13H18O4	1000405-55-8	15
5		Methyl 2-octylcyclopropene-1-oct...	308	C20H36O2	003220-60-8	15



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

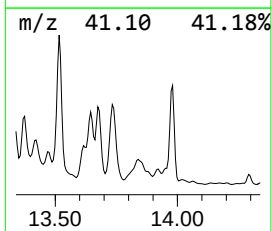
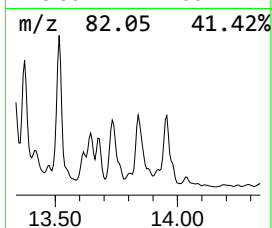
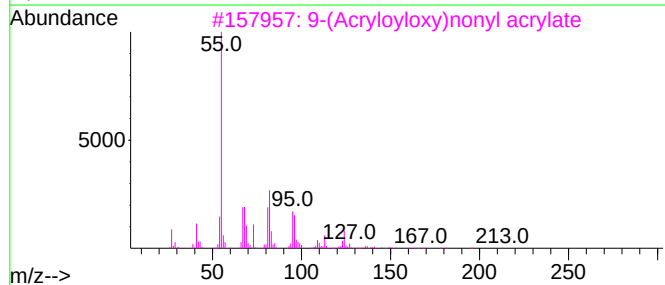
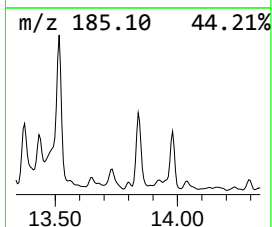
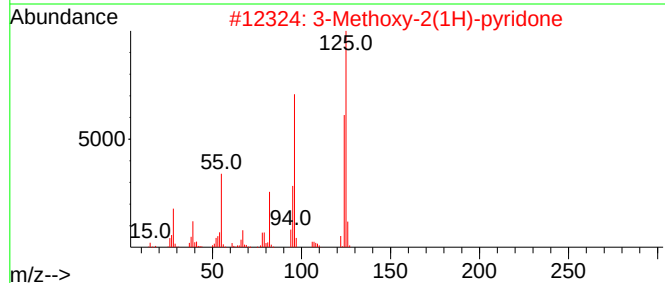
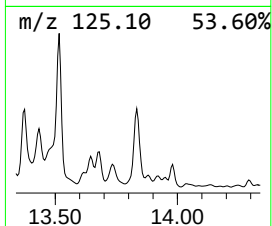
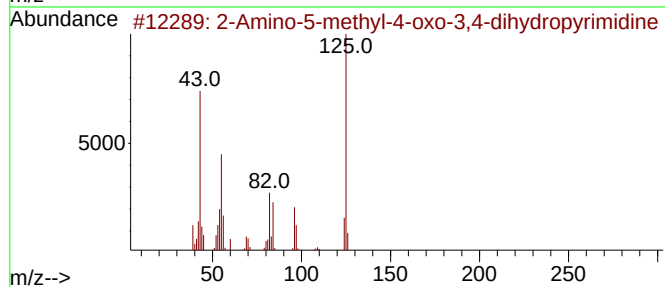
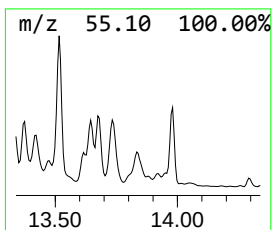
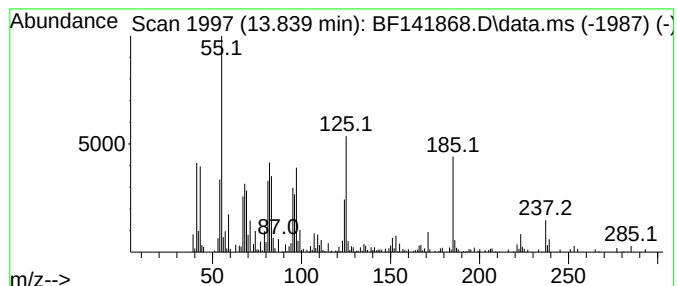
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown13.839 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	8.71 ng	492010	Chrysene-d12	14.039

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Amino-5-methyl-4-oxo-3,4-dihyd...	125	C5H7N3O	015981-91-6	35
2		3-Methoxy-2(1H)-pyridone	125	C6H7NO2	020928-63-6	30
3		9-(Acryloyloxy)nonyl acrylate	268	C15H24O4	107481-28-7	27
4		Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	25
5		1,15-Pentadecanediol	244	C15H32O2	014722-40-8	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

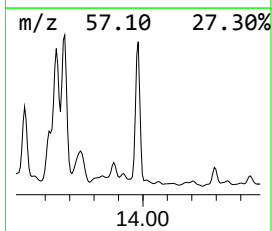
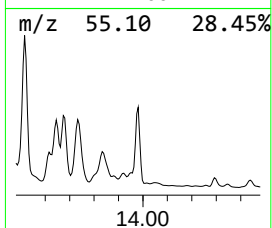
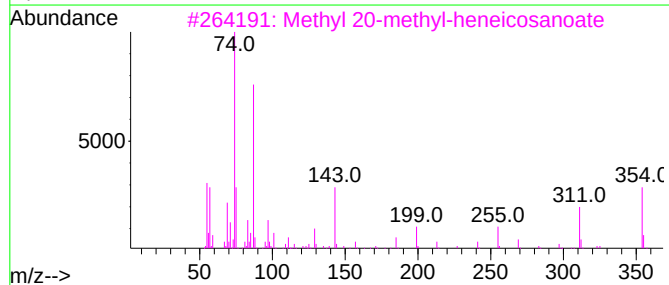
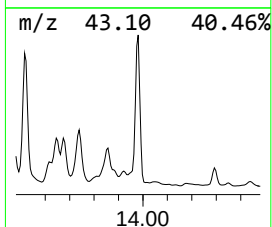
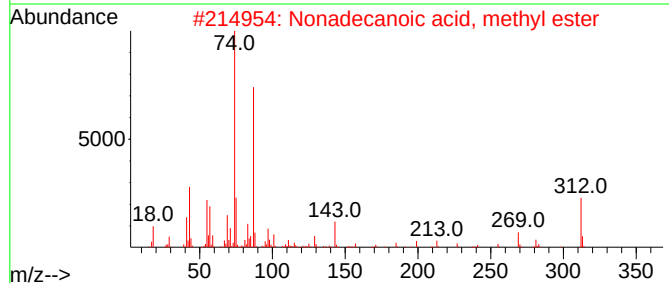
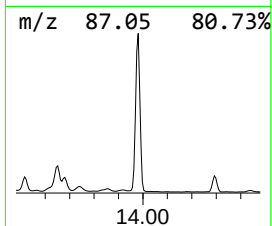
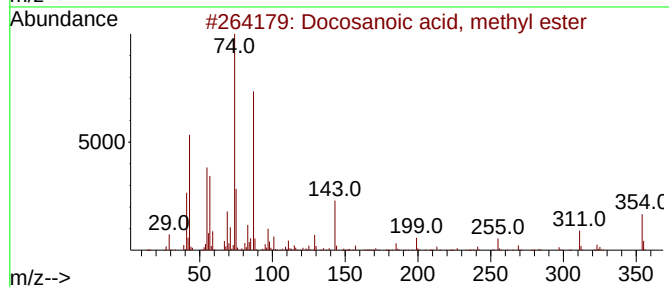
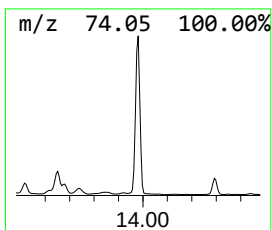
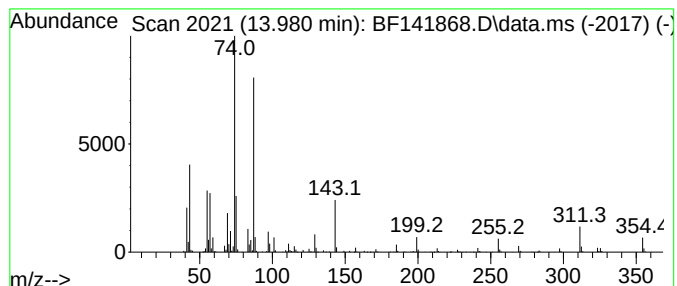
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Docosanoic acid, methyl ester Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.980	15.14 ng	855497	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Docosanoic acid, methyl ester	354	C23H46O2	000929-77-1	99
2			Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	95
3			Methyl 20-methyl-heneicosanoate	354	C23H46O2	1000336-47-4	91
4			Methyl stearate	298	C19H38O2	000112-61-8	87
5			Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141868.D
Acq On : 06 Mar 2025 15:01
Operator : RC/JU
Sample : Q1478-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-IW-03-COMP-022825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.157	109.1	ng	4889280	1	6.887	896277	20.0
Trichloroethylene	2.534	25.3	ng	1131420	1	6.887	896277	20.0
Hexanal	4.551	11.7	ng	524772	1	6.887	896277	20.0
2,4-Decadienal	8.898	10.9	ng	635088	2	8.163	1159810	20.0
Nonanoic acid, ...	9.498	35.7	ng	2429060	3	9.916	1360420	20.0
Tri(2-chloroeth...	11.116	18.5	ng	1193290	4	11.404	1287470	20.0
Hexadecanoic ac...	11.810	337.3	ng	21715600	4	11.404	1287470	20.0
2-Hexyne, 4-met...	11.992	15.3	ng	982446	4	11.404	1287470	20.0
9,12-Octadecadi...	12.510	723.3	ng	46559200	4	11.404	1287470	20.0
Methyl stearate	12.598	200.6	ng	12911200	4	11.404	1287470	20.0
unknown13.163	13.163	9.2	ng	521517	5	14.039	1130390	20.0
cis-13-Eicoseno...	13.233	16.1	ng	912918	5	14.039	1130390	20.0
Methyl 18-methy...	13.316	33.5	ng	1892830	5	14.039	1130390	20.0
unknown13.374	13.374	9.6	ng	543305	5	14.039	1130390	20.0
(6Z,9Z)-Pentade...	13.516	30.4	ng	1718770	5	14.039	1130390	20.0
unknown13.645	13.645	11.6	ng	656679	5	14.039	1130390	20.0
unknown13.674	13.674	10.2	ng	574787	5	14.039	1130390	20.0
unknown13.739	13.739	19.4	ng	1093390	5	14.039	1130390	20.0
unknown13.839	13.839	8.7	ng	492010	5	14.039	1130390	20.0
Docosanoic acid...	13.980	15.1	ng	855497	5	14.039	1130390	20.0



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	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

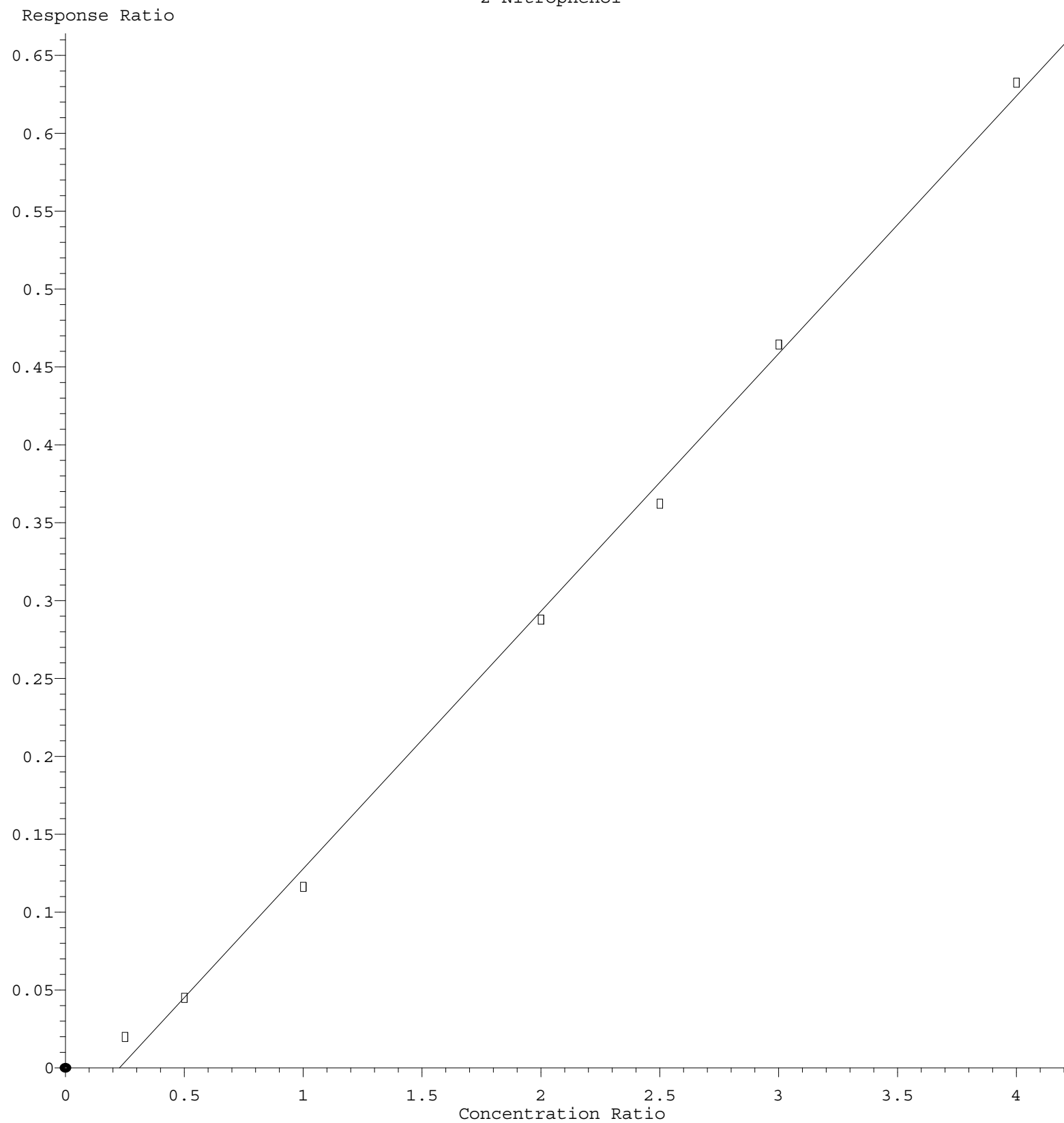
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03	
41) P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87	
42) S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80	
43) C	2,4,6-Trichlor...	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

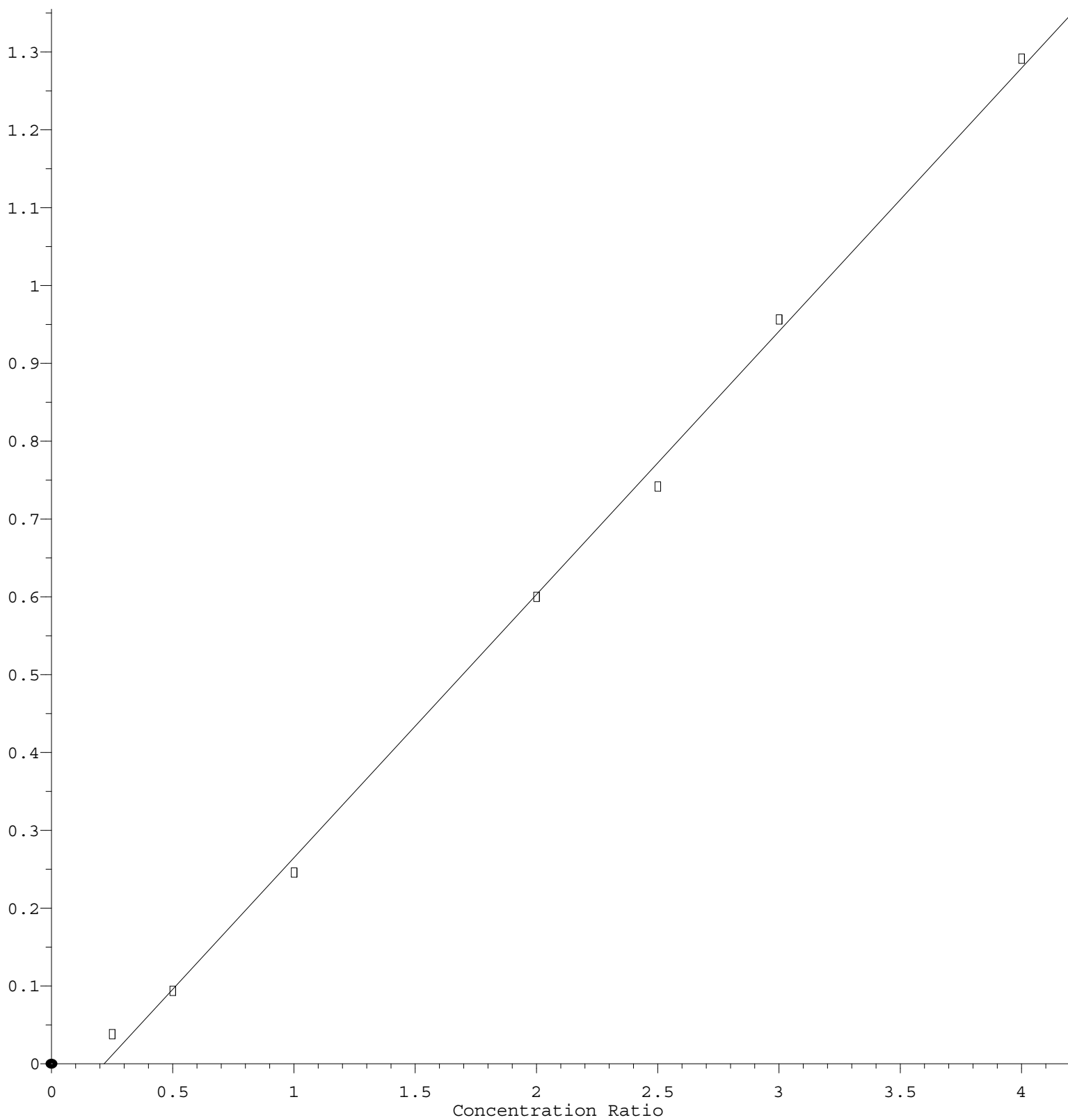
2-Nitrophenol



Response = $1.654 \times 10^{-1} \times \text{Amt} - 3.762 \times 10^{-2}$
 Coef of Det (r^2) = 0.997727 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

2-Nitroaniline

Response Ratio



$$\text{Response} = 3.381\text{e-}001 * \text{Amt} - 7.336\text{e-}002$$

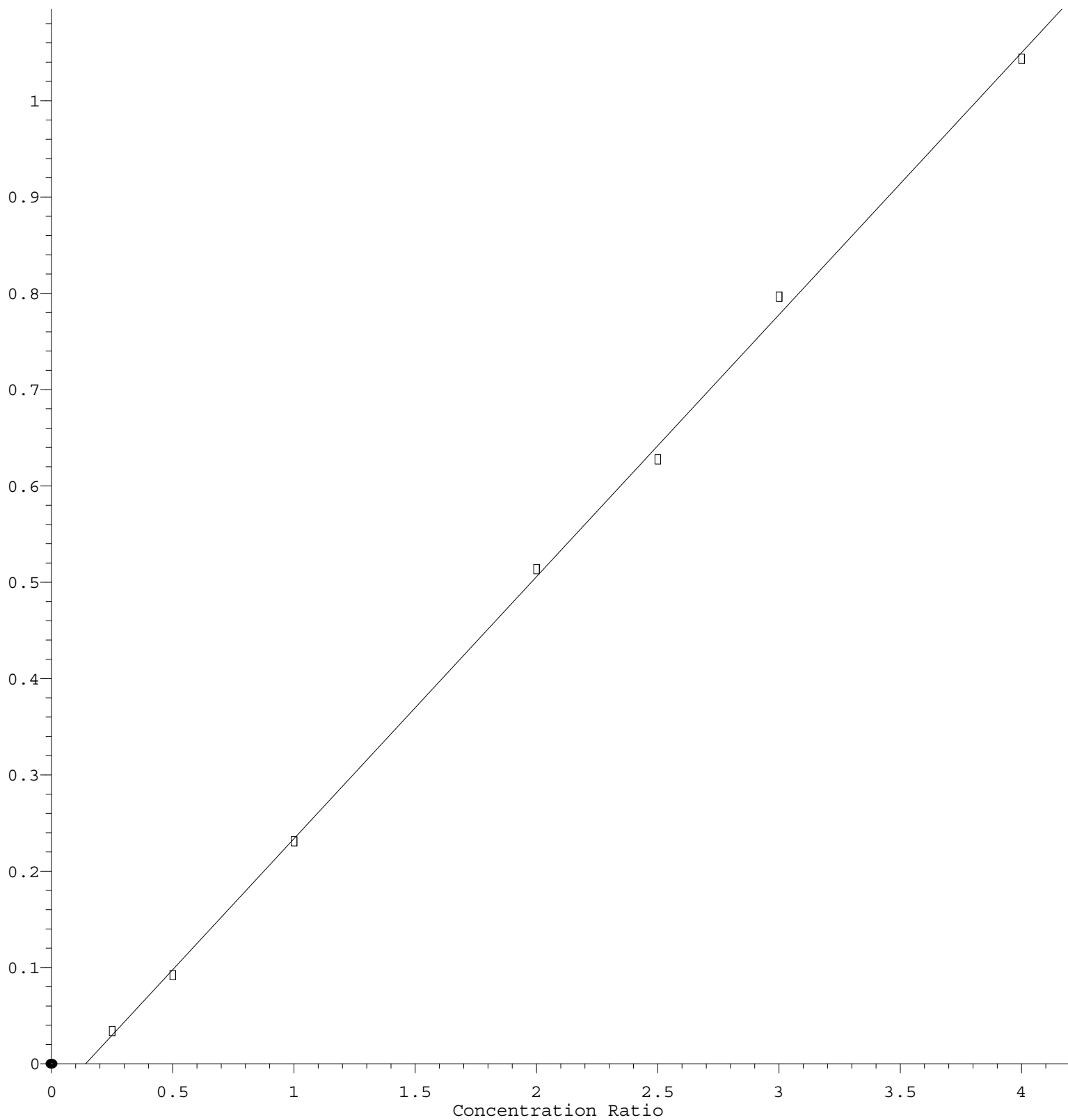
Coef of Det (r^2) = 0.998178 Curve Fit: Linear

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

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

2,6-Dinitrotoluene

Response Ratio



$$\text{Response} = 2.723\text{e-}001 * \text{Amt} - 3.850\text{e-}002$$

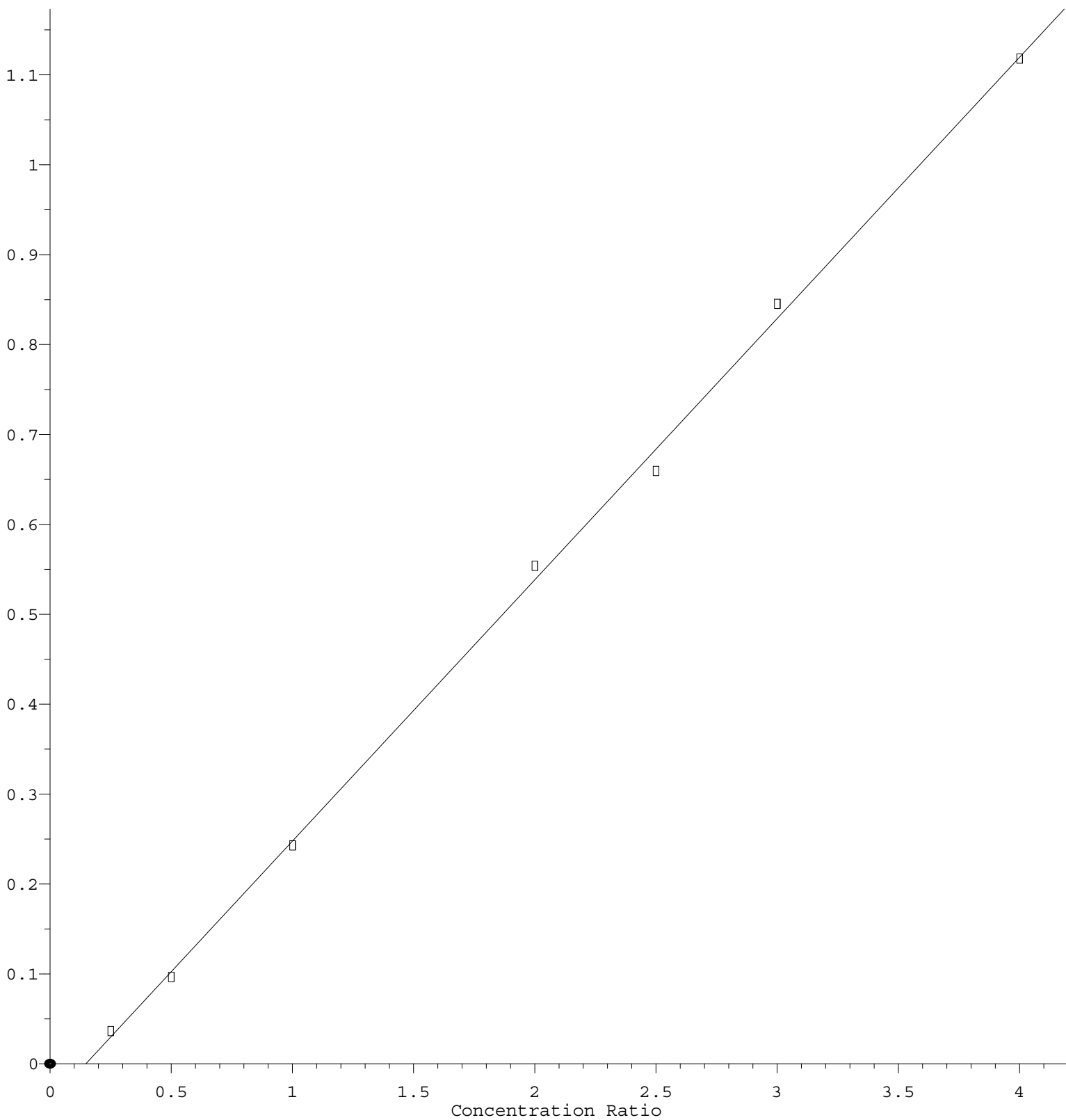
Coef of Det (r^2) = 0.999171 Curve Fit: Linear

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

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

3-Nitroaniline

Response Ratio



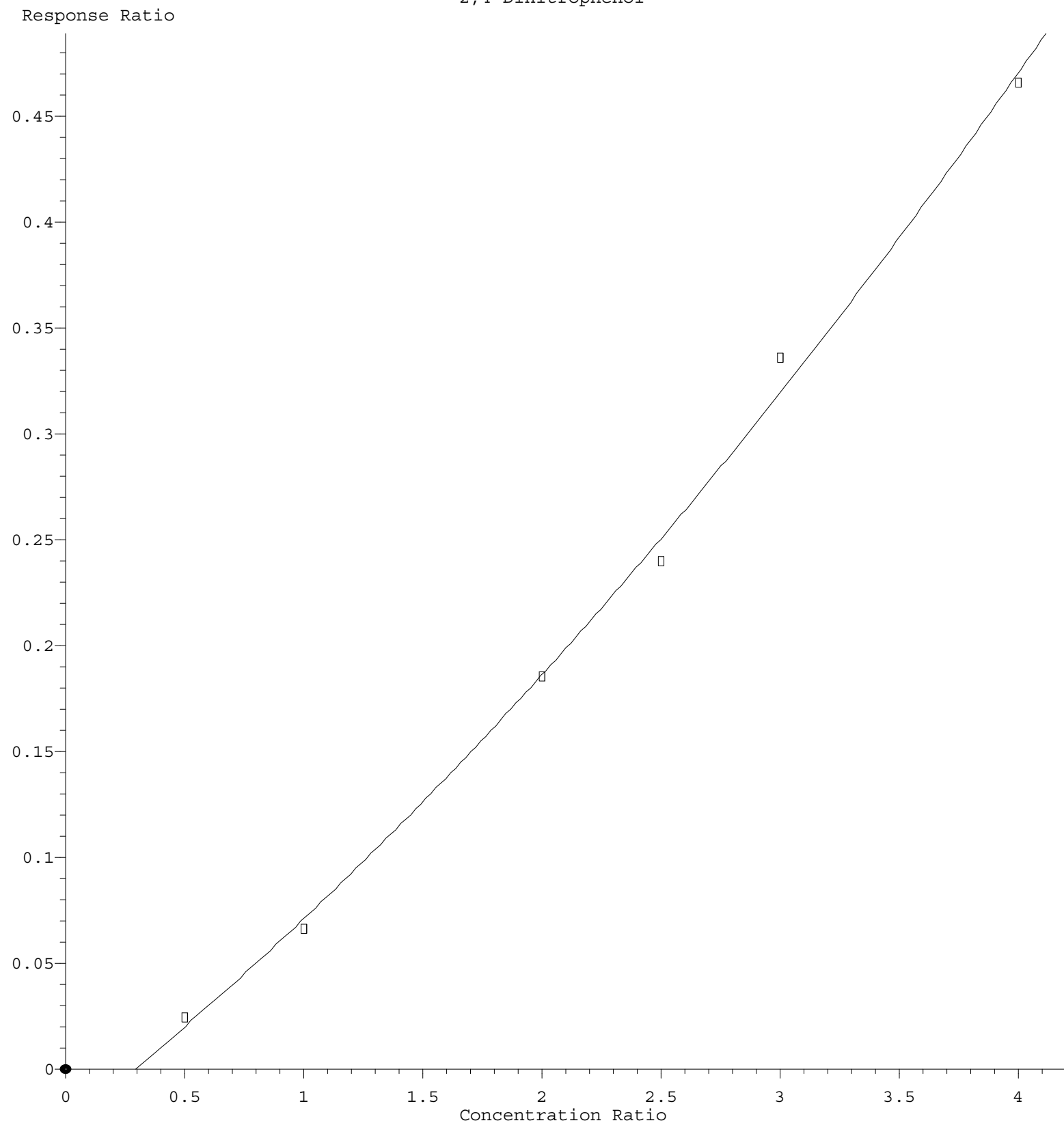
$$\text{Response} = 2.909\text{e-}001 * \text{Amt} - 4.315\text{e-}002$$

Coef of Det (r^2) = 0.998769 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

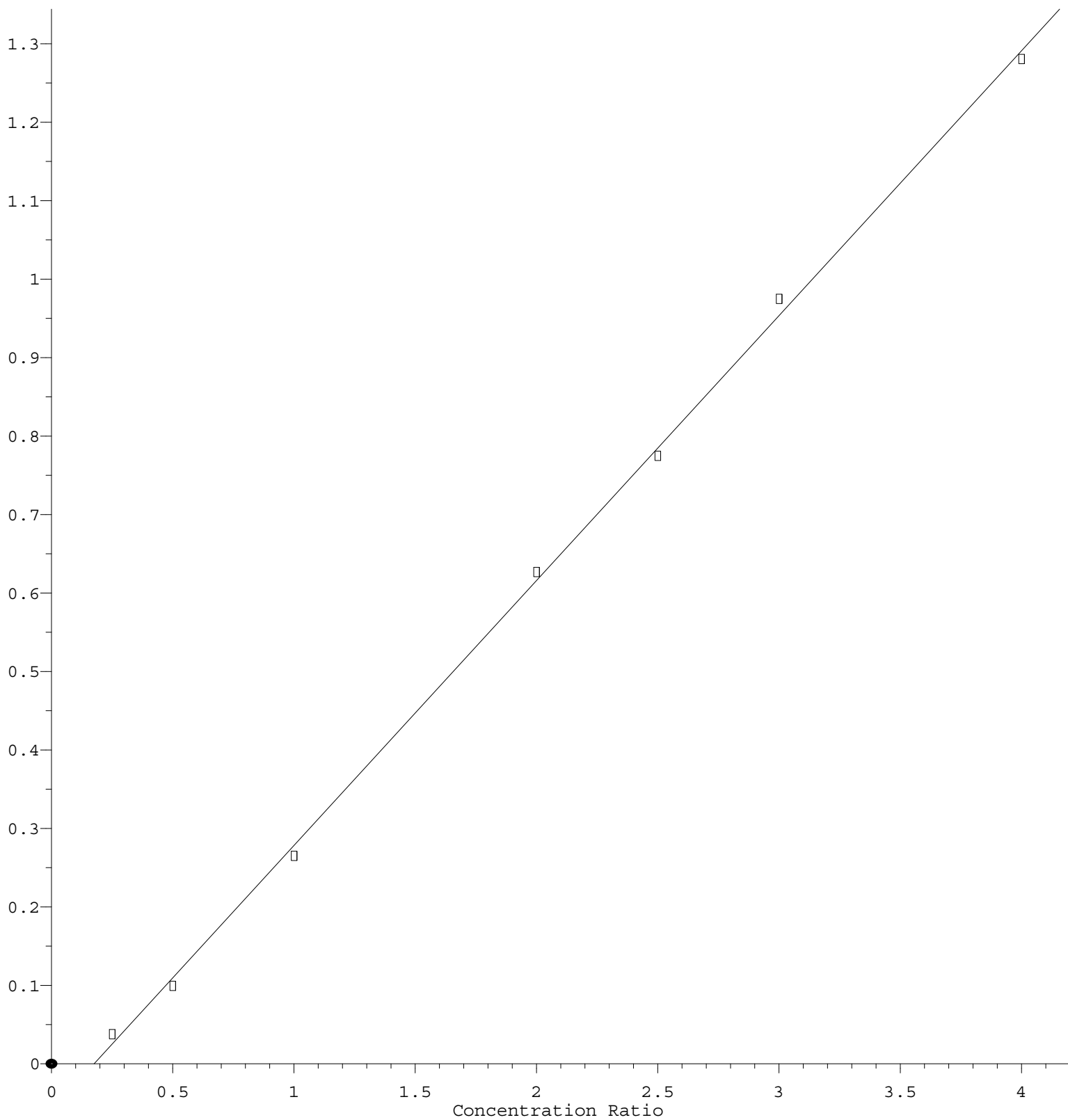
2,4-Dinitrophenol



$R = 8.979e-003 A^2 + 8.829e-002 A - 2.630e-002$
 Coef of Det (r^2) = 0.996714 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
 Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

2,4-Dinitrotoluene

Response Ratio



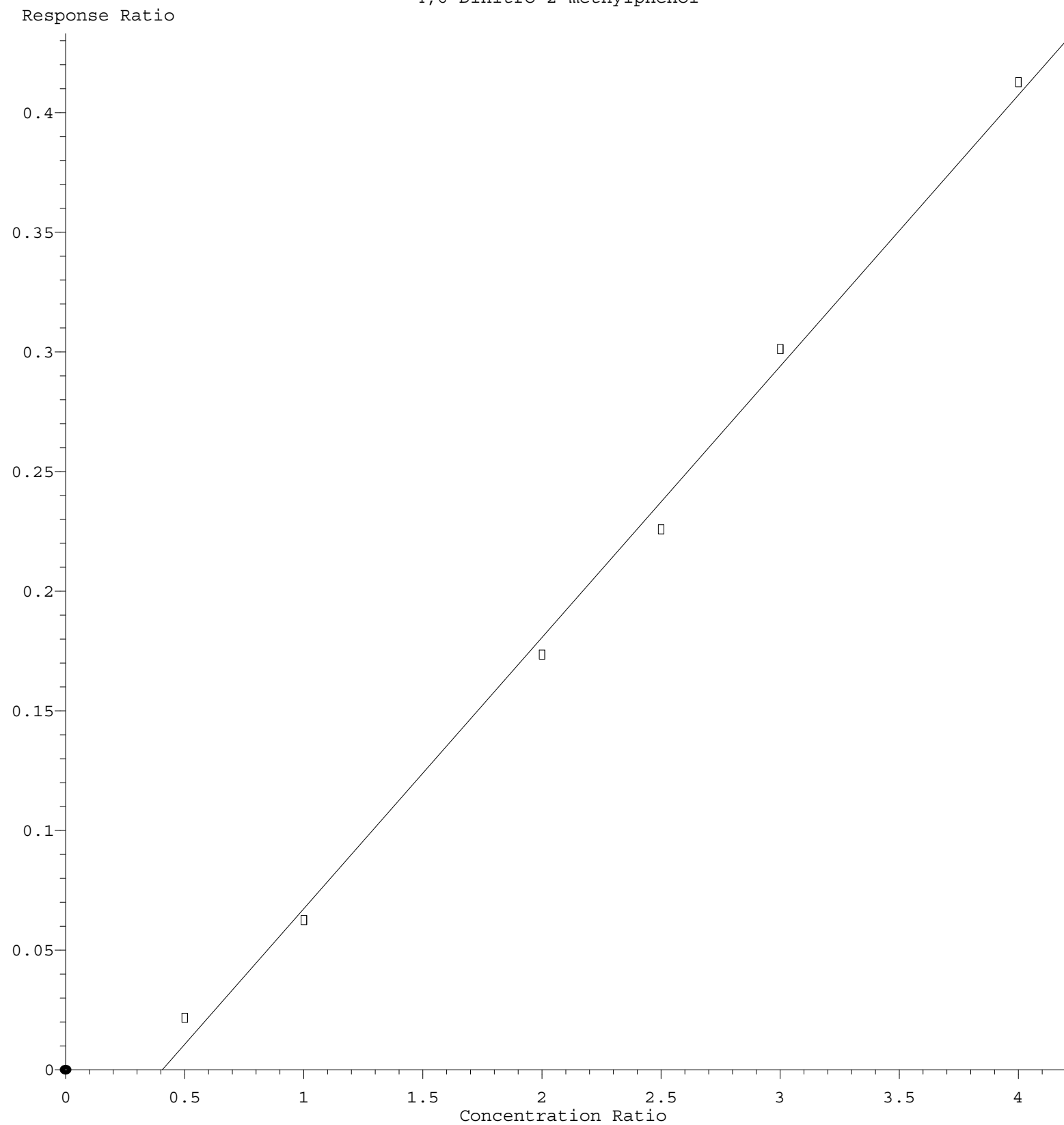
$$\text{Response} = 3.378\text{e-}001 * \text{Amt} - 5.953\text{e-}002$$

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

4,6-Dinitro-2-methylphenol



Response = $1.134 \times 10^{-1} \times \text{Amt} - 4.606 \times 10^{-2}$
Coef of Det (r^2) = 0.996201 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

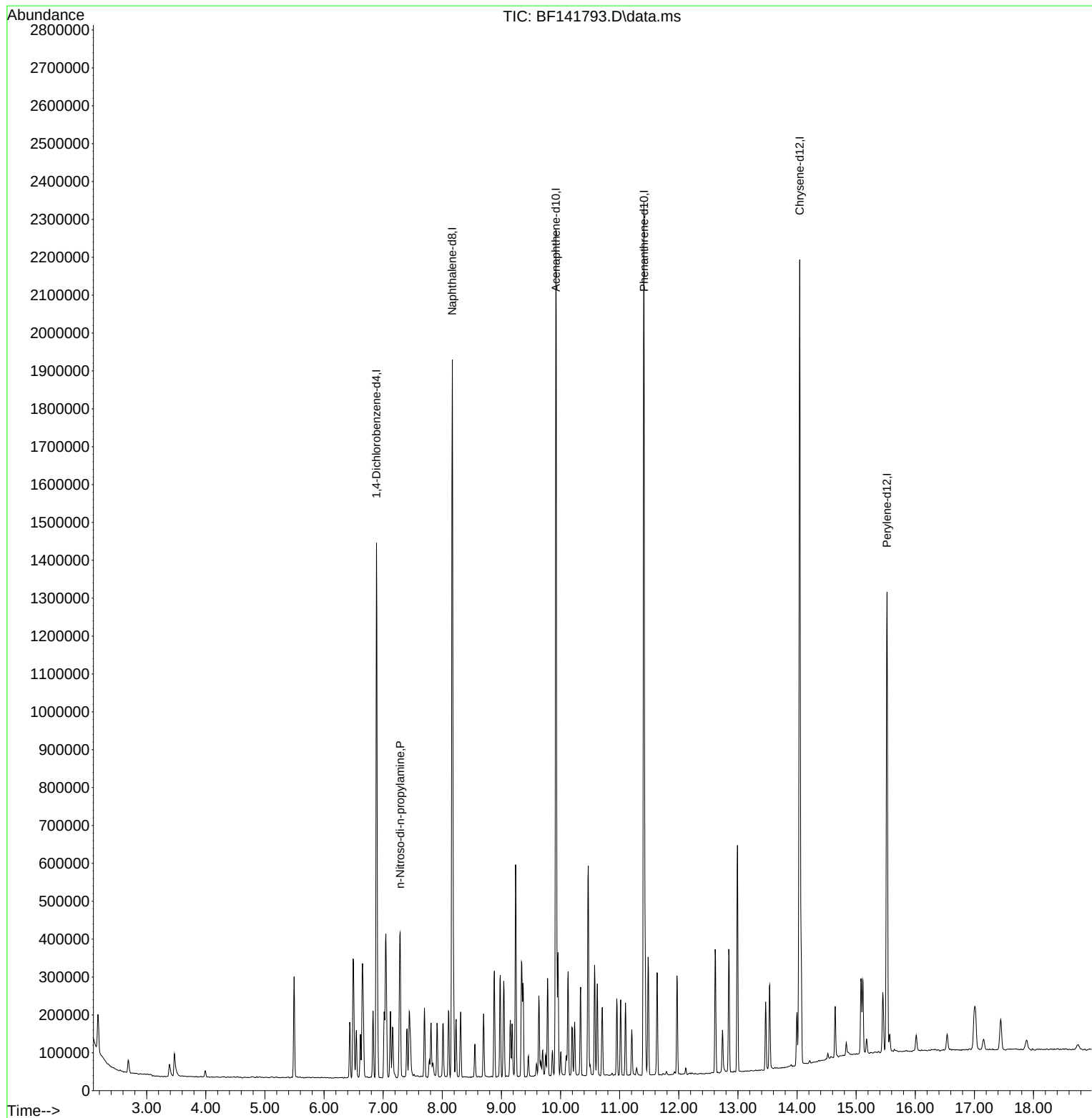
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	282413	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1147711	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	650007	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1119232	20.000	ng	0.00
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	7.287	70	39992	2.936	ng	Qvalue 100

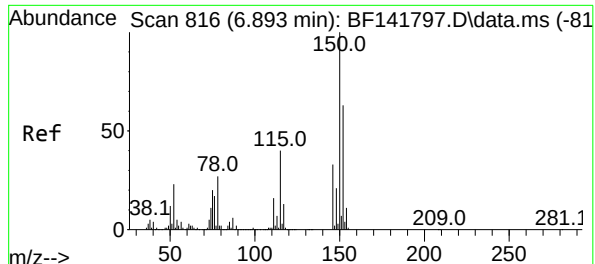
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

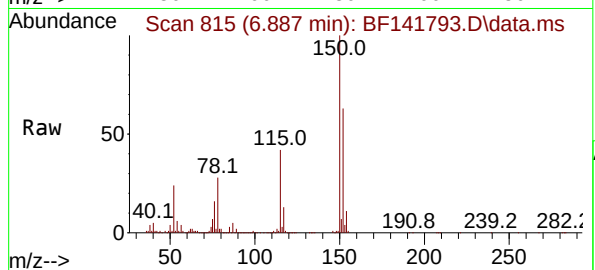
Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration



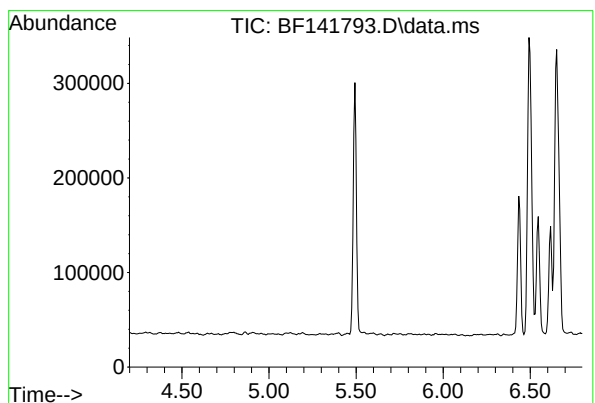
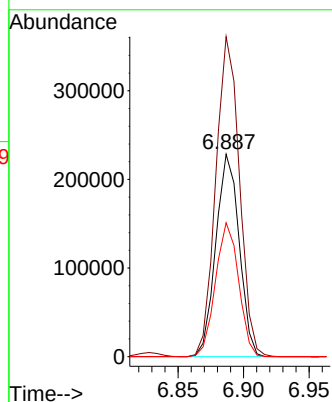
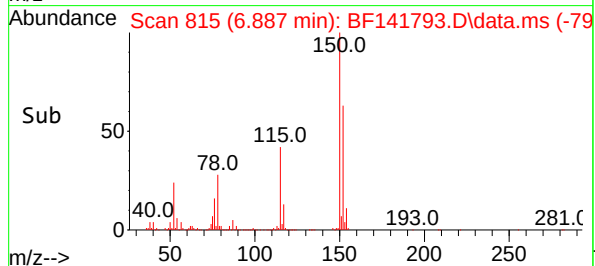


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



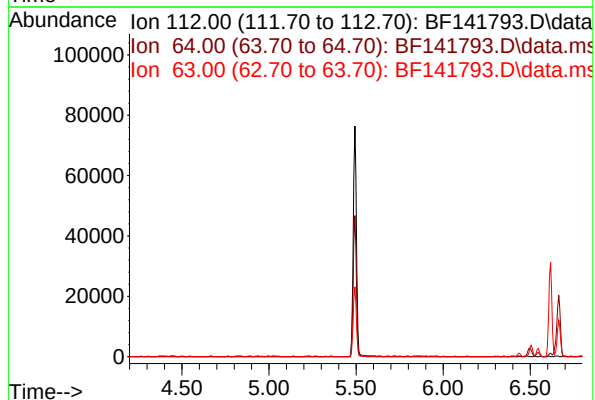
Tgt Ion:152 Resp: 282413
Ion Ratio Lower Upper
152 100
150 158.1 127.5 191.3
115 66.2 51.4 77.2

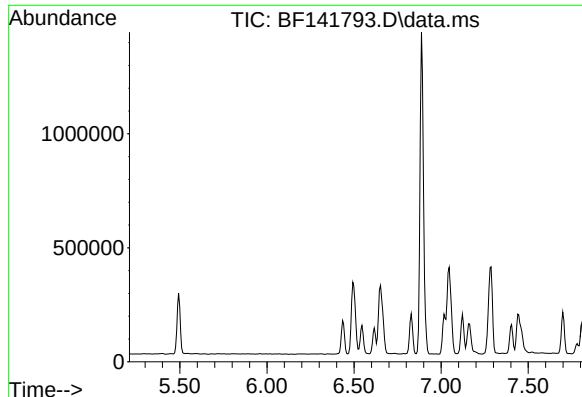


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

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

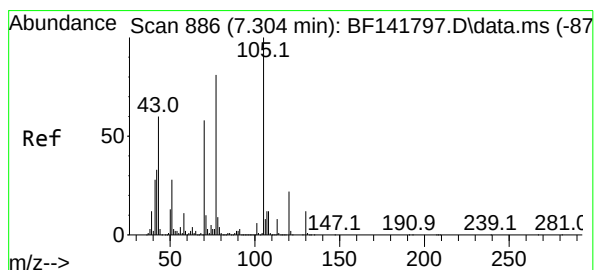
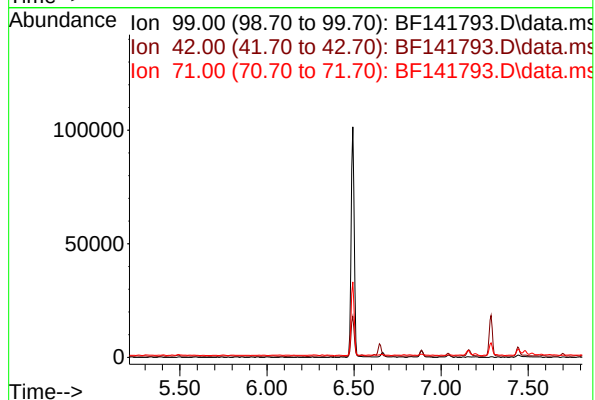
Tgt Ion: 99

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

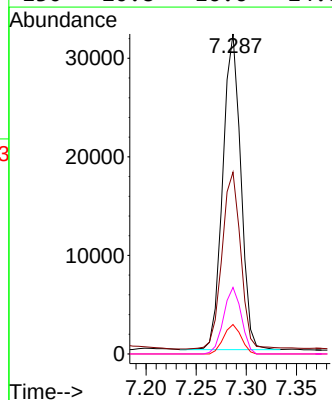
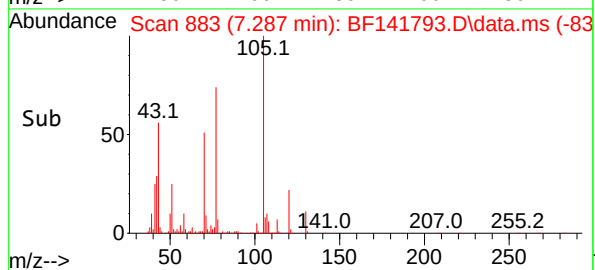
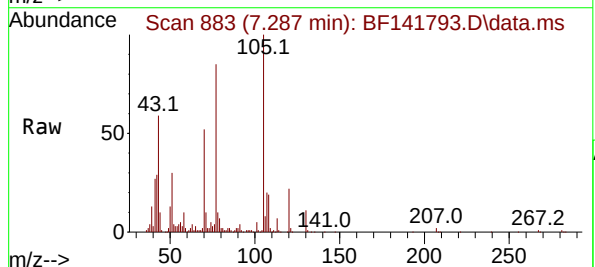
Ion Ratio Lower Upper

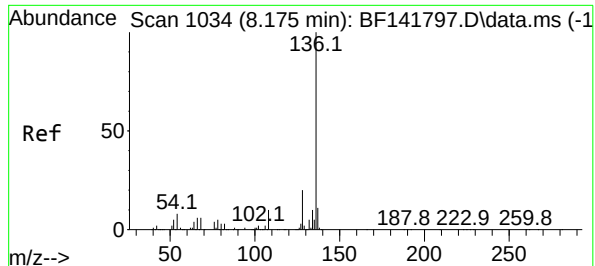
70 100

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

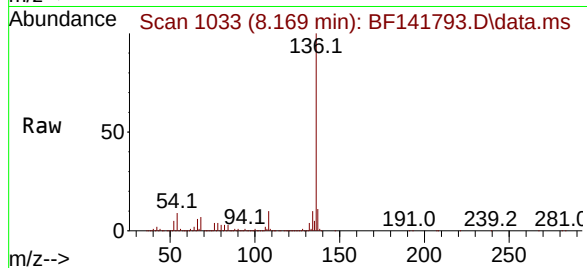
Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 1147711

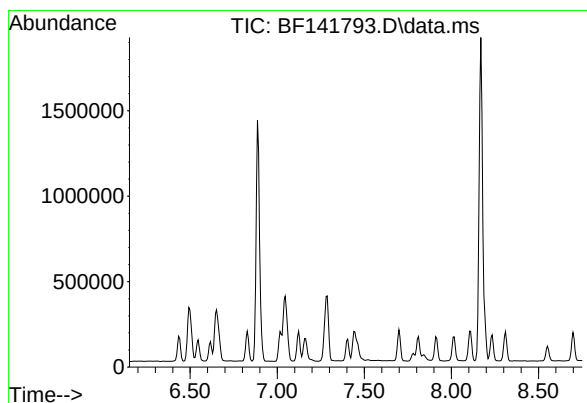
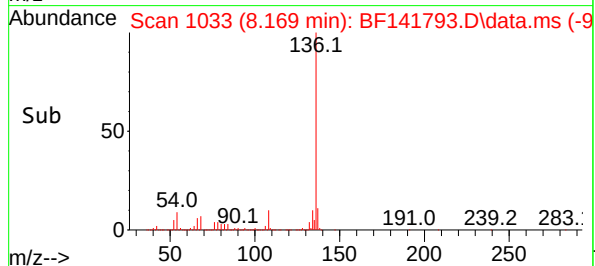
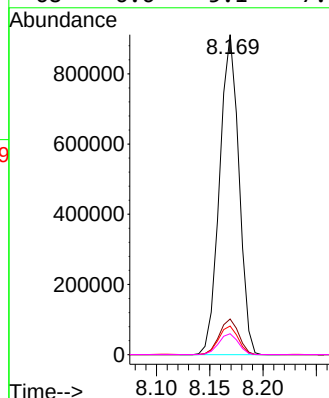
Ion Ratio Lower Upper

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

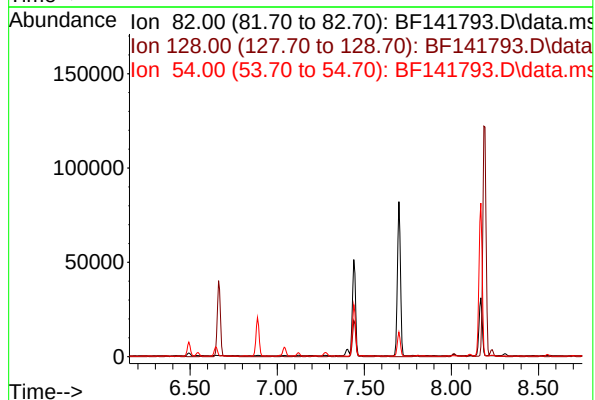
Tgt Ion: 82

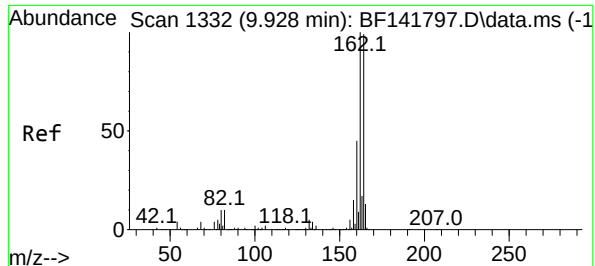
Sig Exp Ratio

82 100

128 41.9

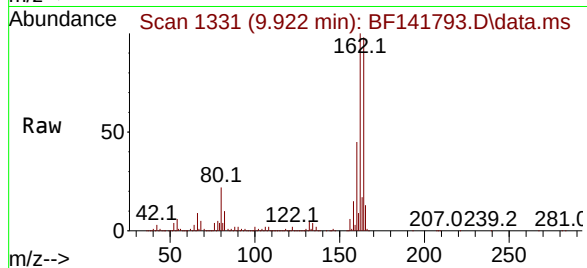
54 53.4



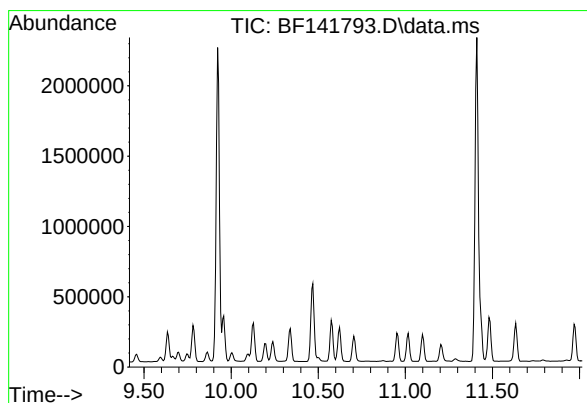
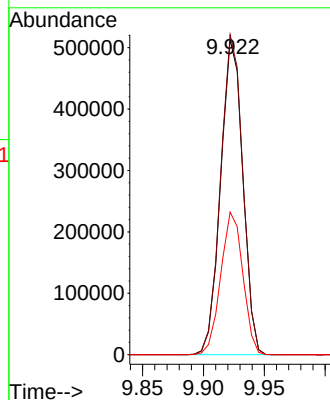
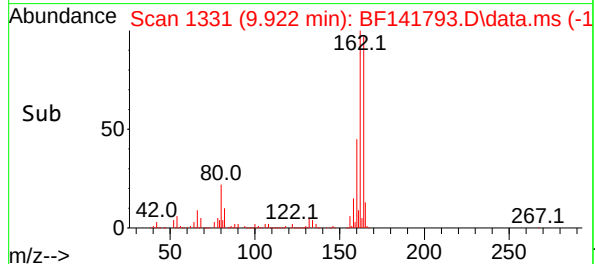


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



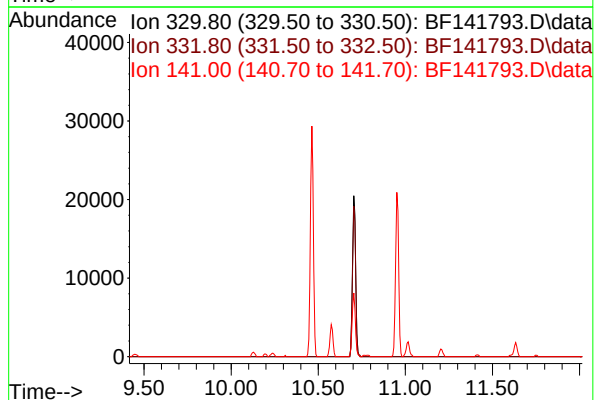
Tgt Ion:164 Resp: 650007
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.3 36.3 54.5

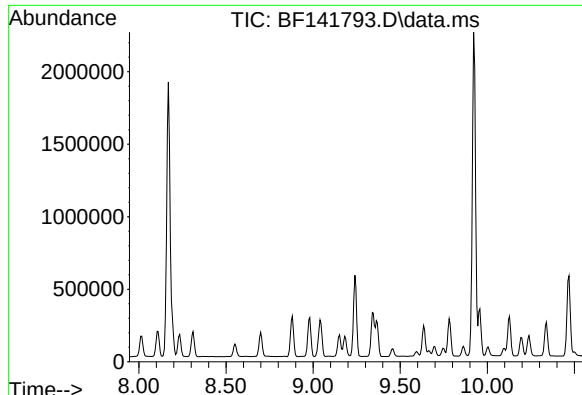


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

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

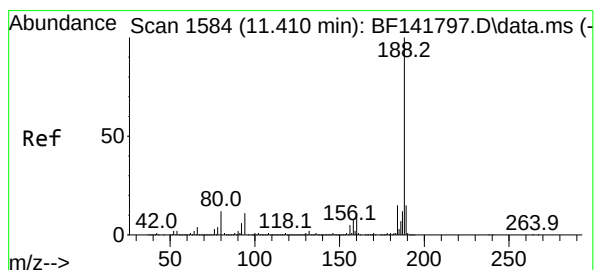
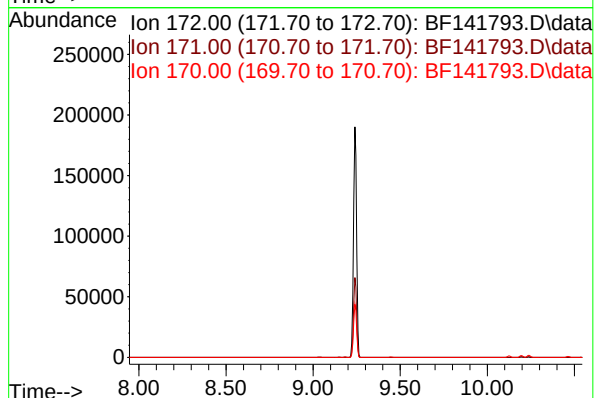
Tgt Ion: 172

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

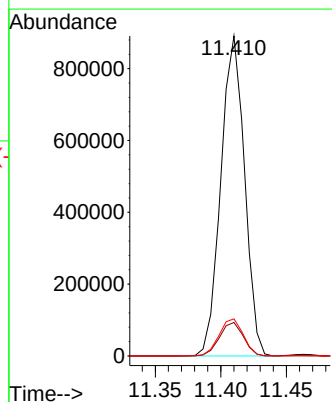
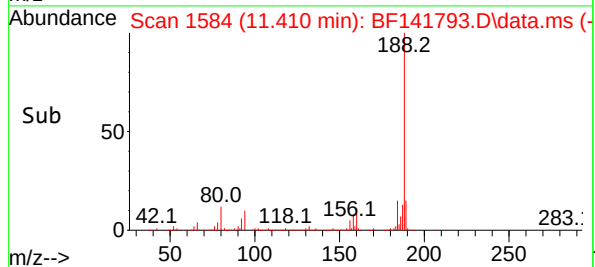
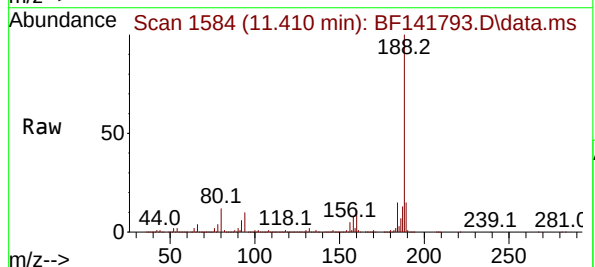
Tgt Ion:188 Resp: 1119232

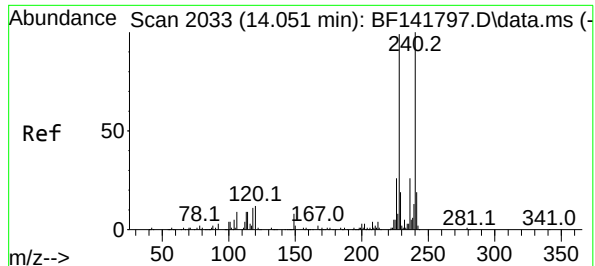
Ion Ratio Lower Upper

188 100

94 10.5 8.9 13.3

80 11.6 9.7 14.5

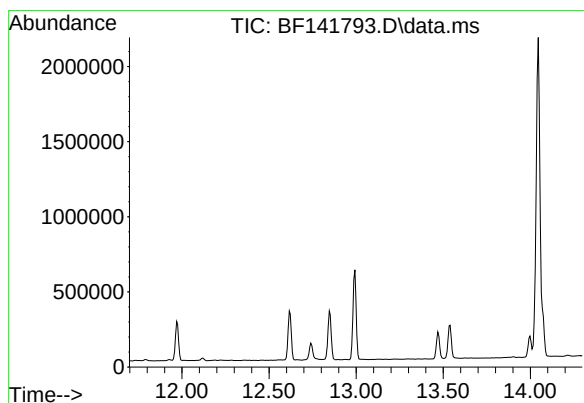
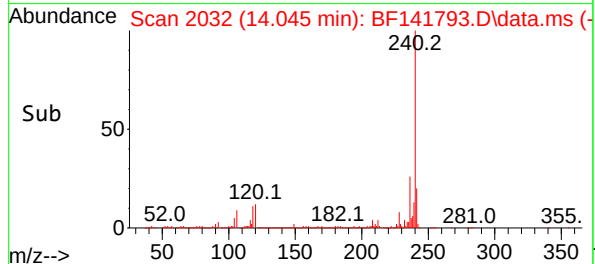
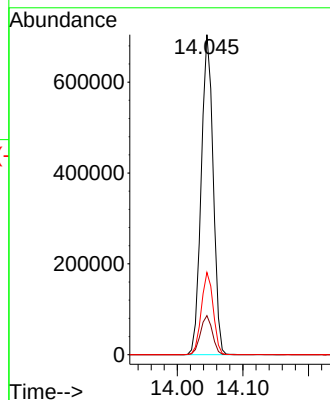
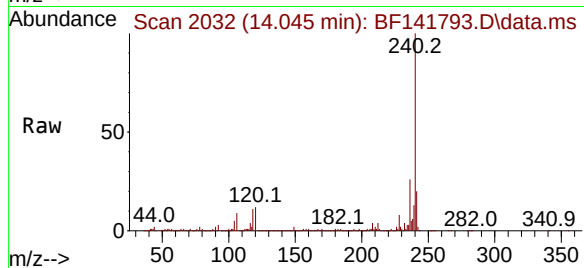




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

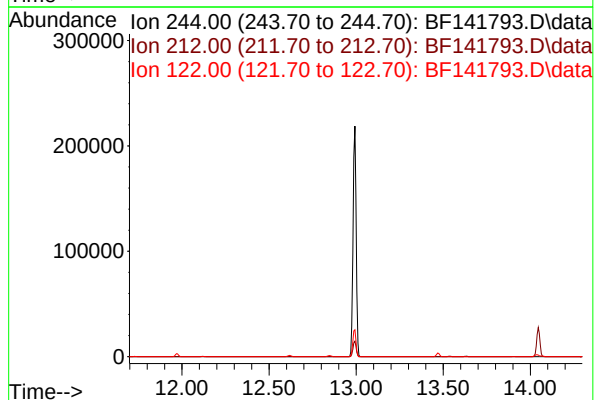
Tgt Ion:240 Resp: 894958
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.7 21.0 31.4



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

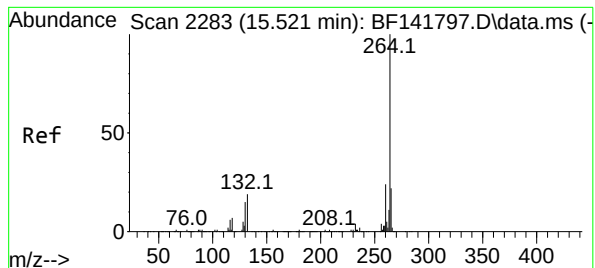
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

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

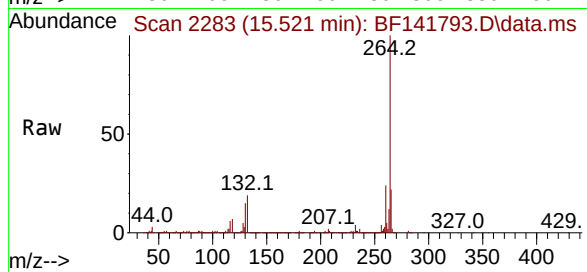
Acq: 27 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



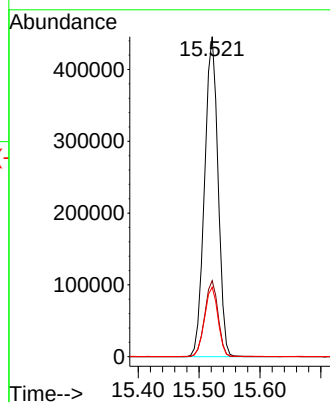
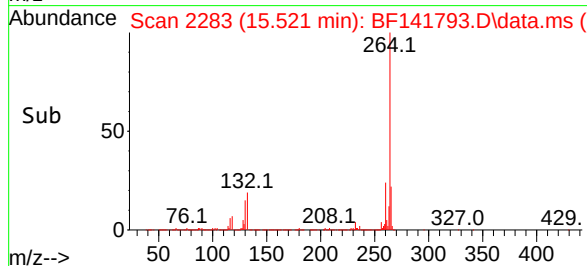
Tgt Ion:264 Resp: 684814

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

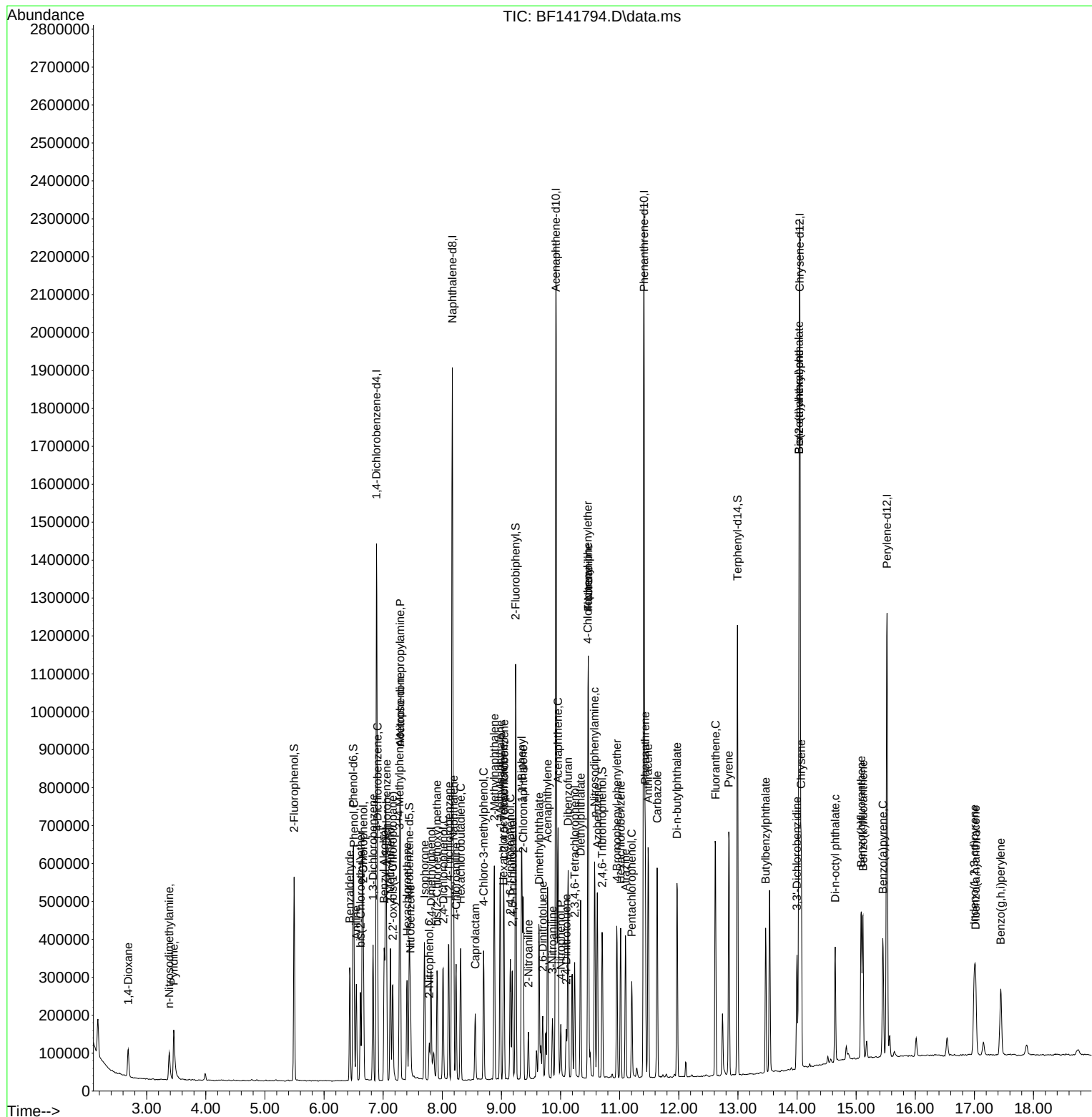

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Data File : BF141794.D  
Acq On    : 27 Feb 2025  15:46  
Operator  : RC/JU  
Sample    : SSTDICC005  
Misc      :  
ALS Vial  : 3    Sample Multiplier: 1
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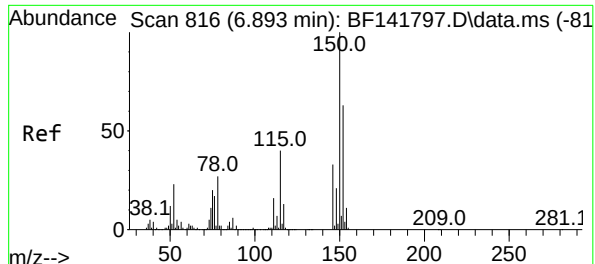
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

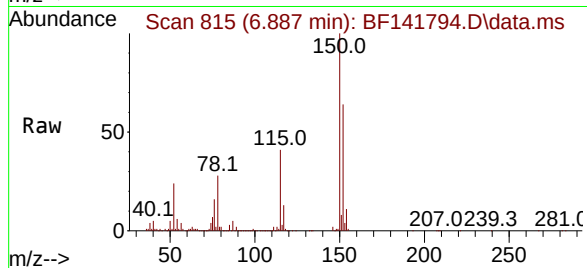
Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration





#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

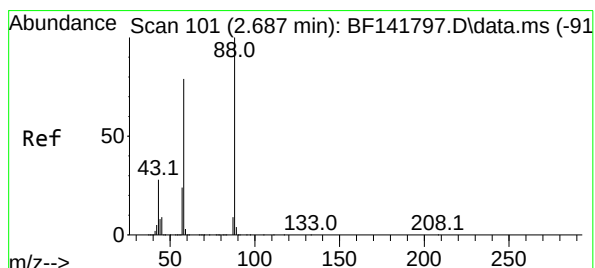
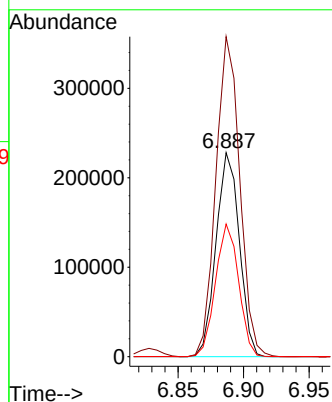
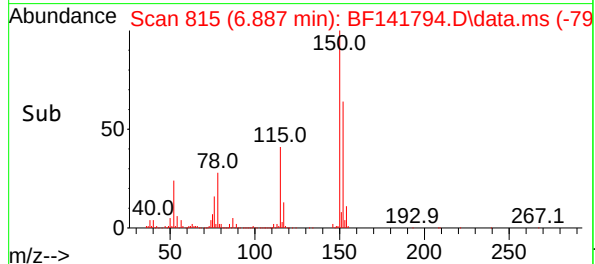
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

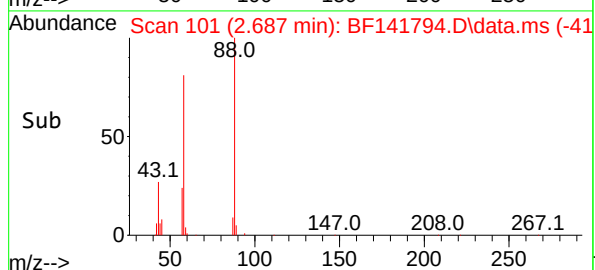
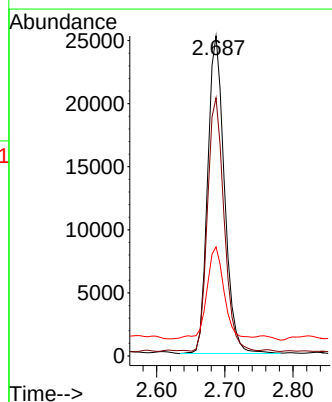
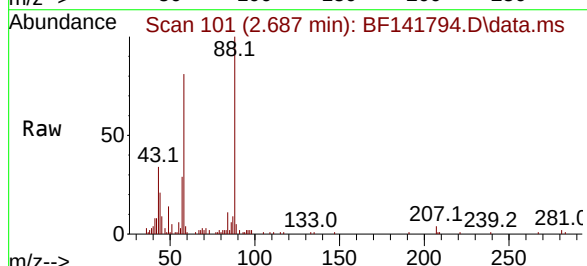
Manual Integrations
APPROVED

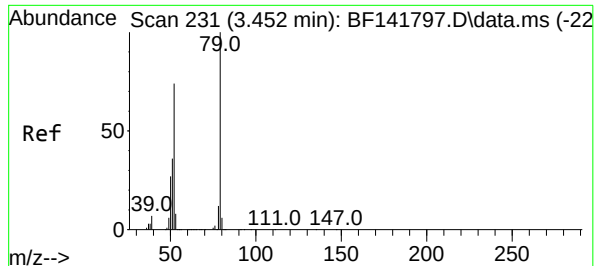
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

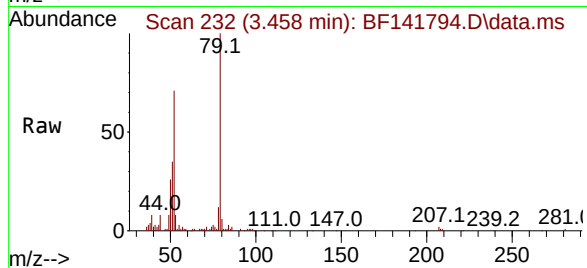
Tgt Ion: 88 Resp: 43124
Ion Ratio Lower Upper
88 100
58 78.5 63.9 95.9
43 29.6 23.0 34.6





#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

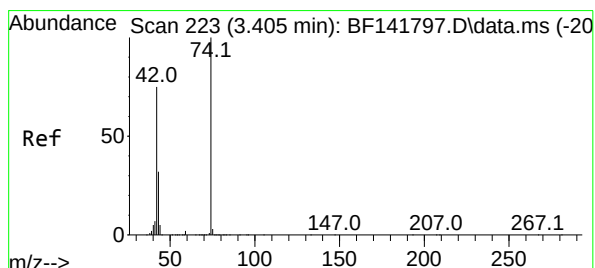
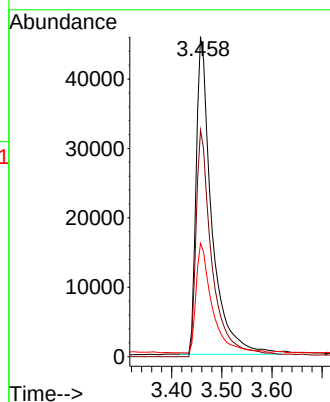
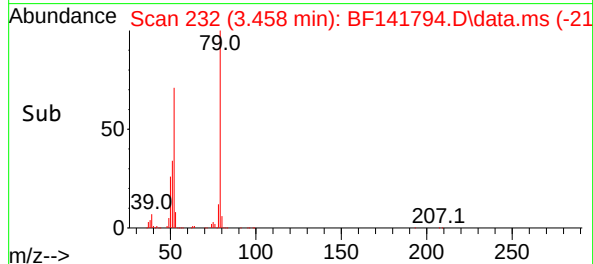
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

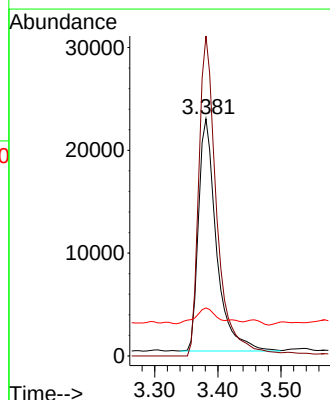
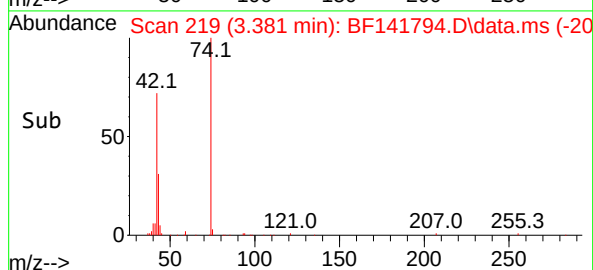
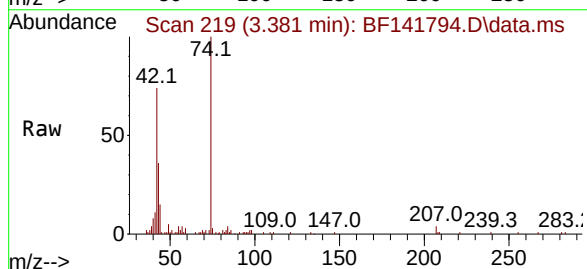
Manual Integrations
APPROVED

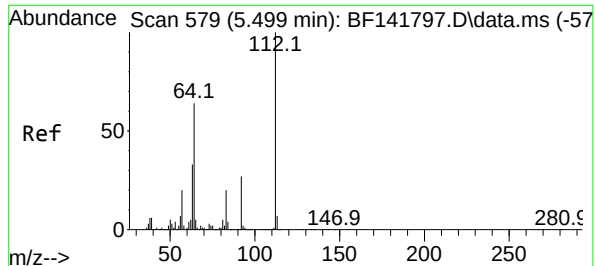
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

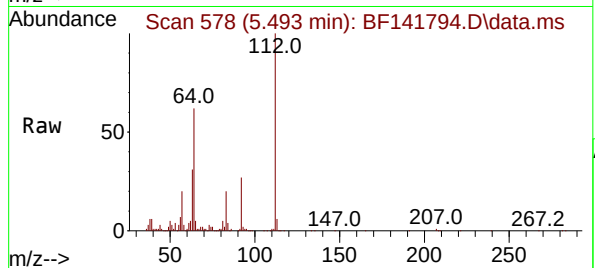
Tgt Ion: 42 Resp: 44659
Ion Ratio Lower Upper
42 100
74 134.9 107.1 160.7
44 20.2 6.6 9.8





#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

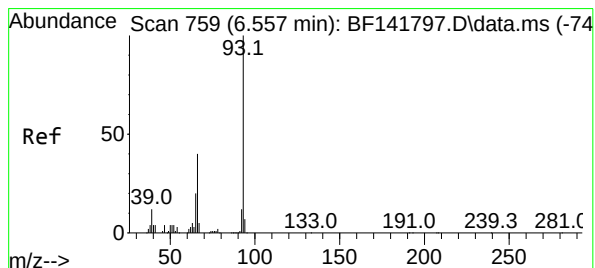
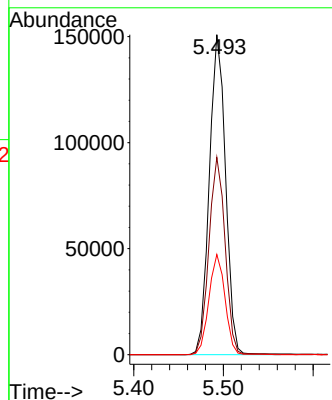
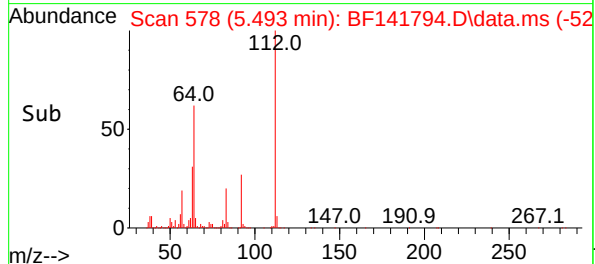
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

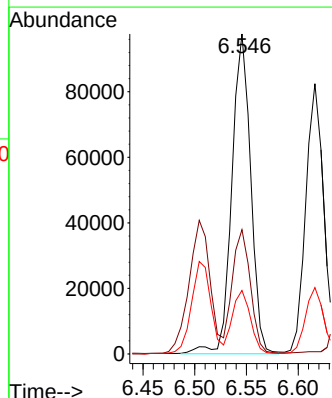
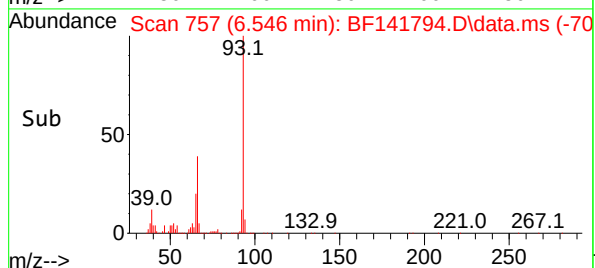
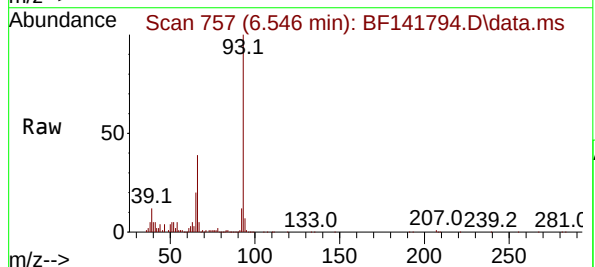
Manual Integrations
APPROVED

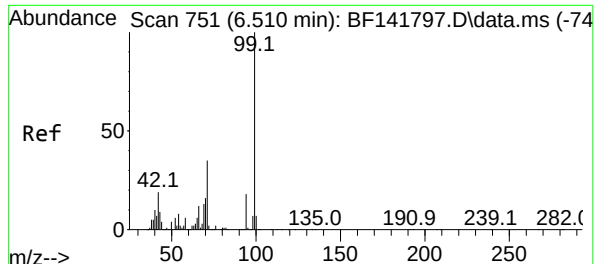
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

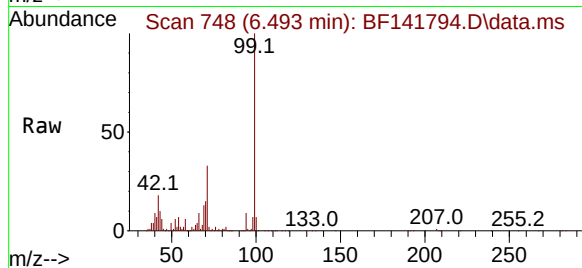
Tgt Ion: 93 Resp: 122918
Ion Ratio Lower Upper
93 100
66 38.8 32.3 48.5
65 19.9 15.9 23.9





#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

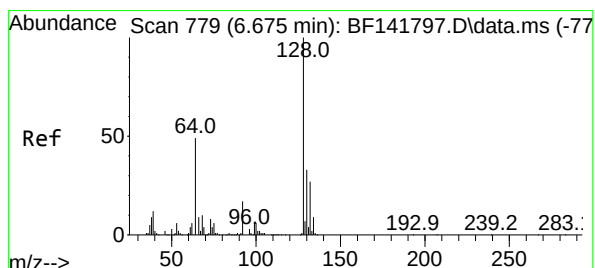
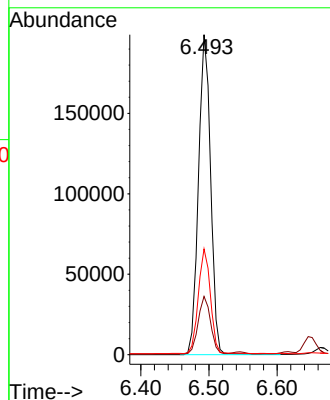
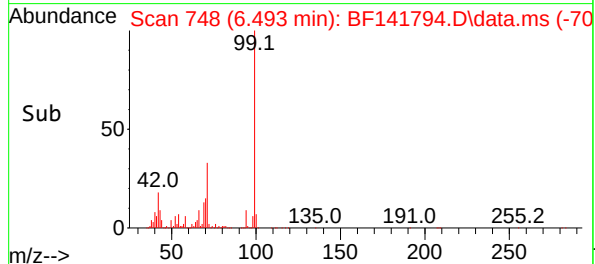
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



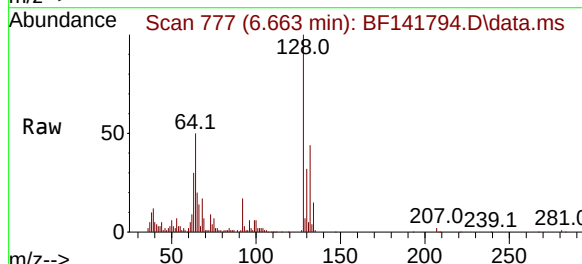
Tgt Ion: 99 Resp: 24639
Ion Ratio Lower Upper
99 100
42 18.2 15.2 22.8
71 33.0 28.2 42.2

Manual Integrations
APPROVED

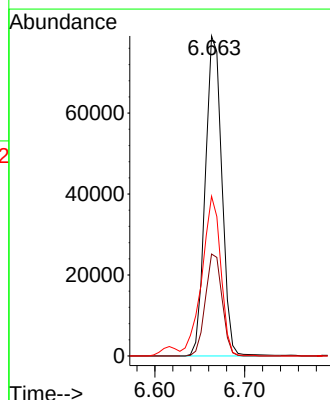
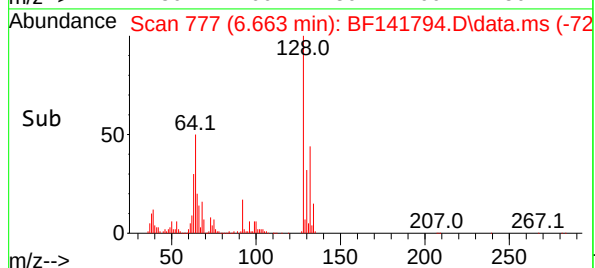
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

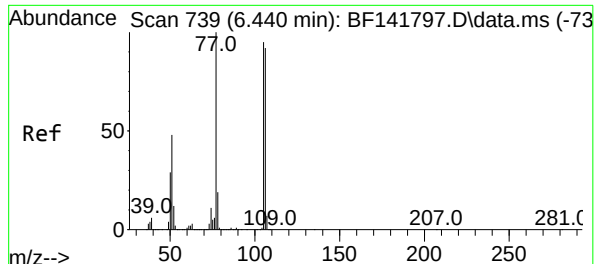


#8
2-Chlorophenol
Concen: 5.324 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



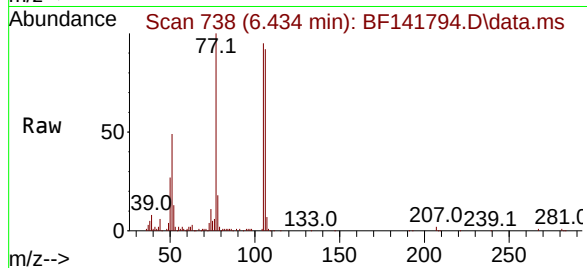
Tgt Ion:128 Resp: 101533
Ion Ratio Lower Upper
128 100
130 31.8 12.6 52.6
64 49.9 31.1 71.1





#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

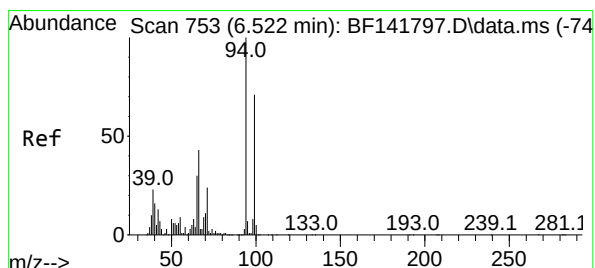
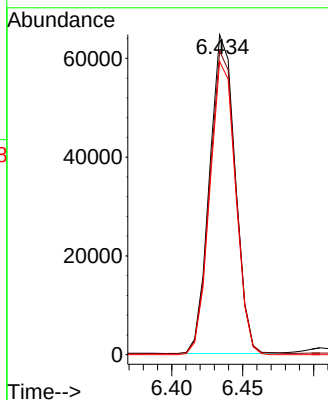
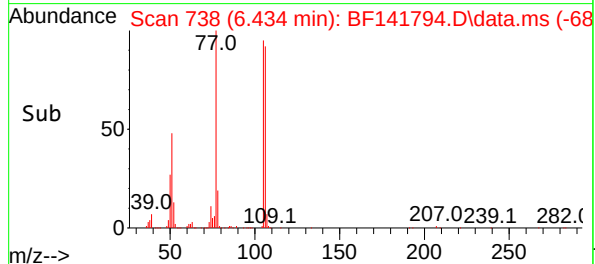
Instrument :
BNA_F
ClientSampleId :
SSTDIC005



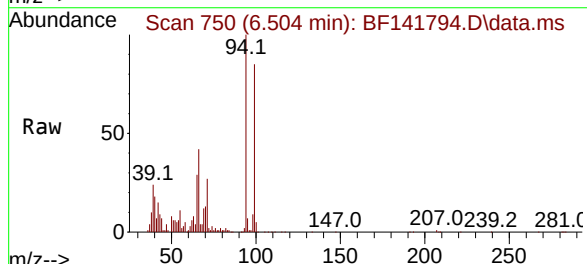
Tgt Ion: 77 Resp: 81024
Ion Ratio Lower Upper
77 100
105 94.9 75.3 115.3
106 91.6 72.3 112.3

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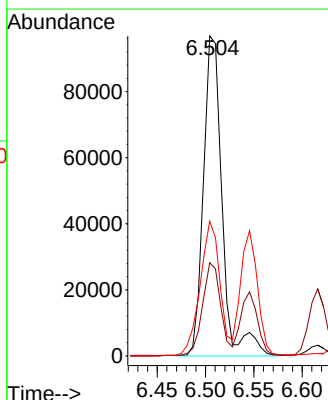
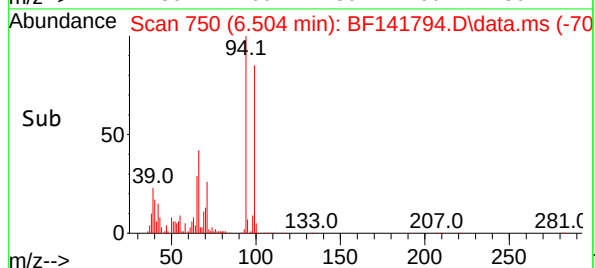
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

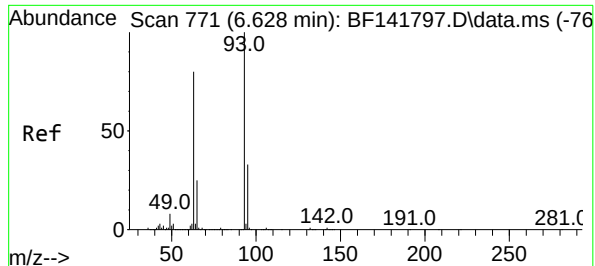


#10
Phenol
Concen: 5.339 ng m
RT: 6.504 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



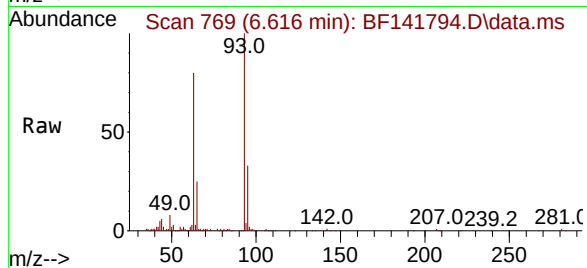
Tgt Ion: 94 Resp: 130523
Ion Ratio Lower Upper
94 100
65 29.1 10.2 50.2
66 42.1 23.2 63.2





#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

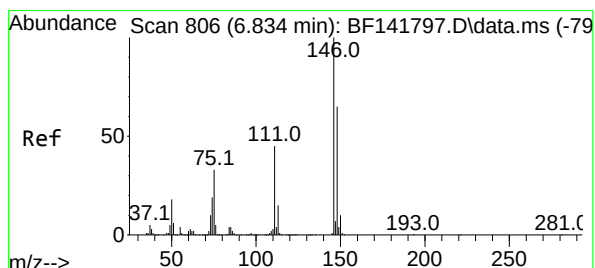
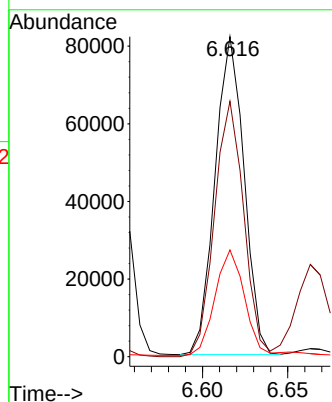
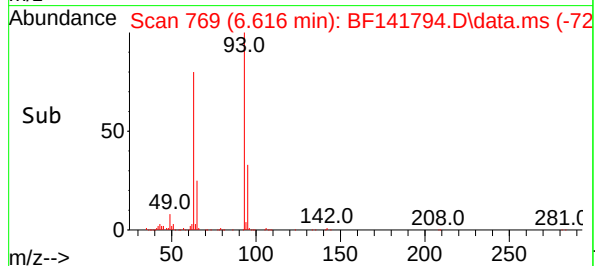
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

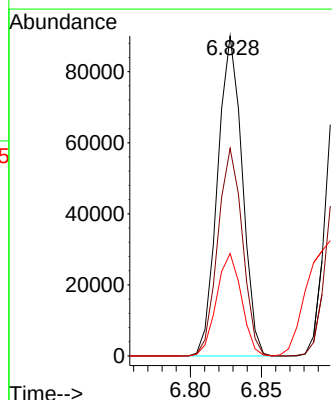
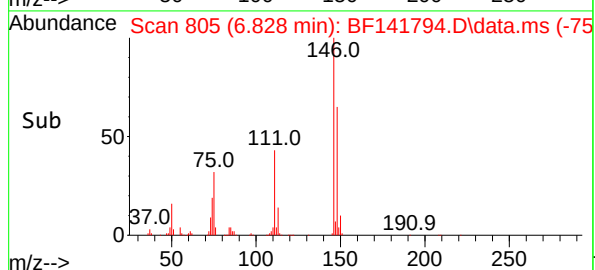
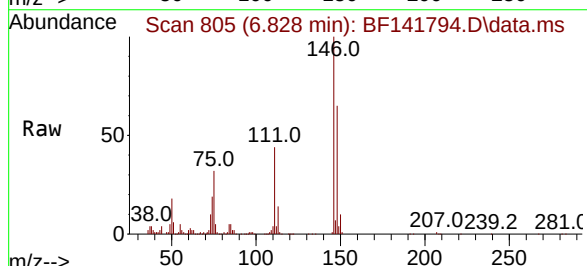
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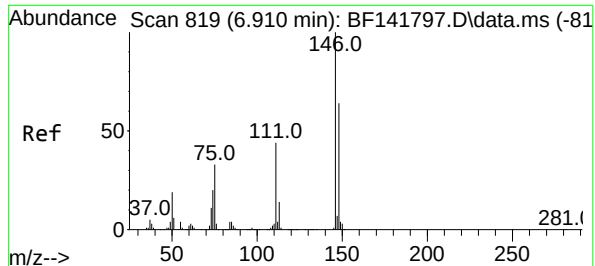
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

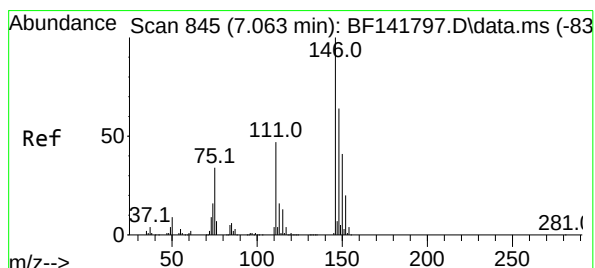
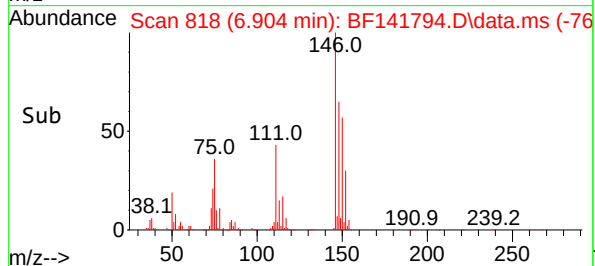
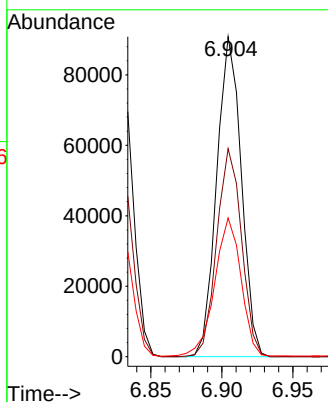
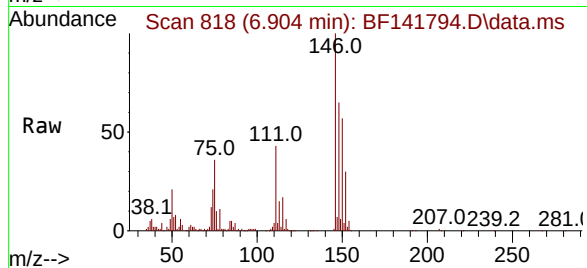
111 43.4 35.5 53.3

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

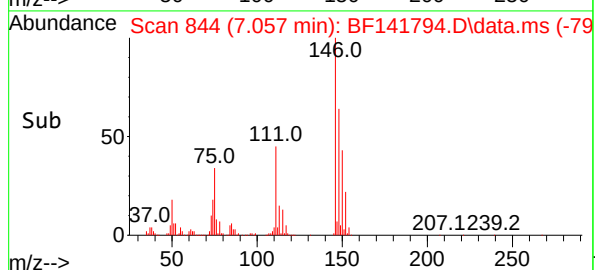
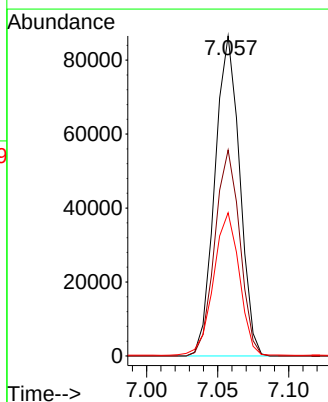
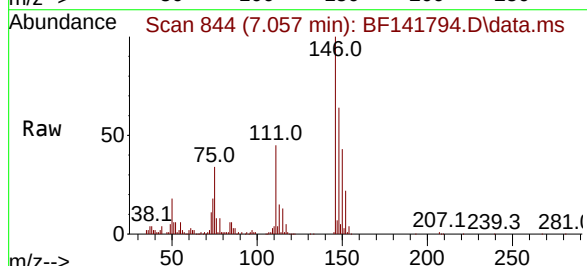
Tgt Ion:146 Resp: 105070

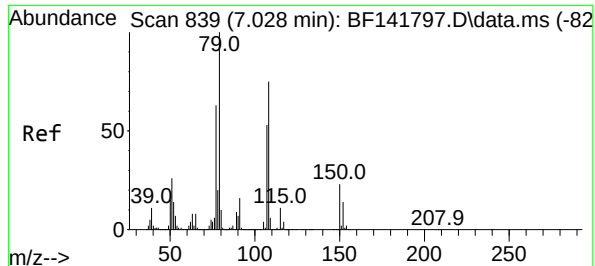
Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

111 44.8 37.8 56.6





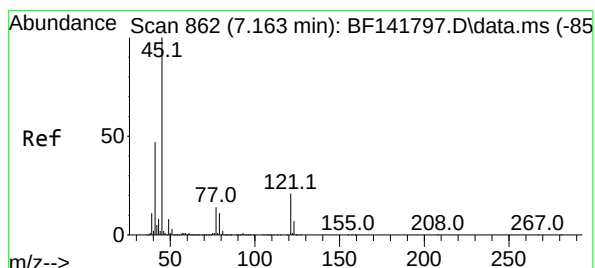
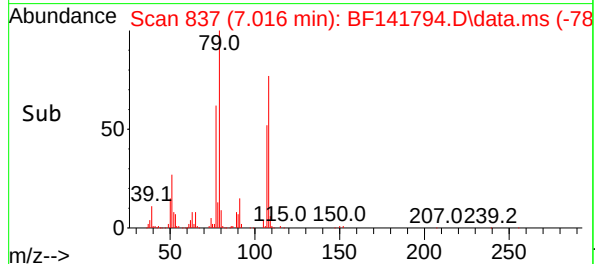
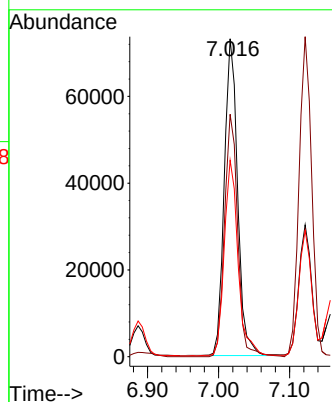
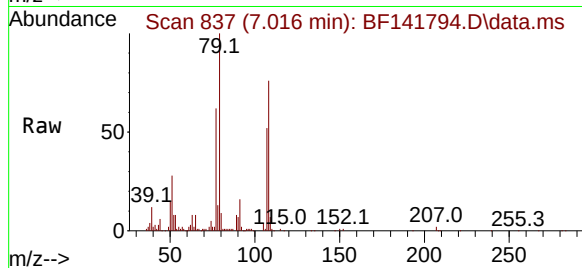
#15
Benzyl Alcohol
Concen: 5.172 ng
RT: 7.016 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

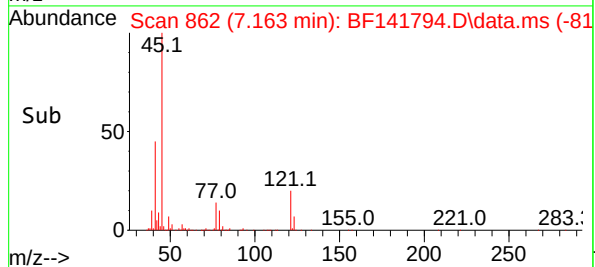
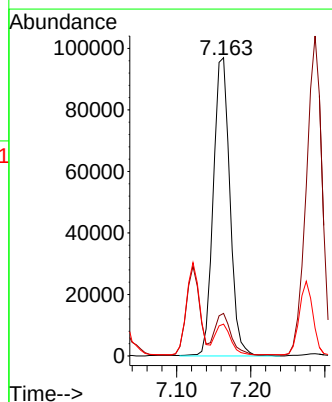
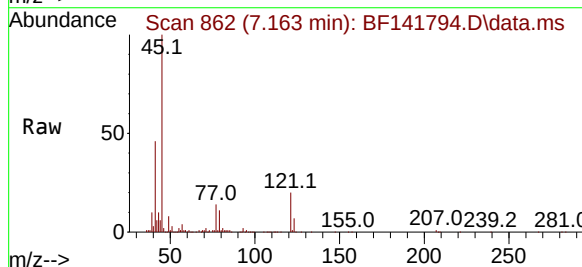
Manual Integrations
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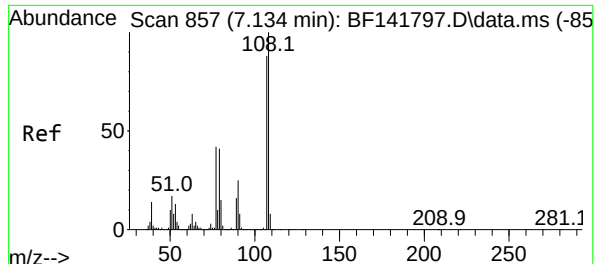
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

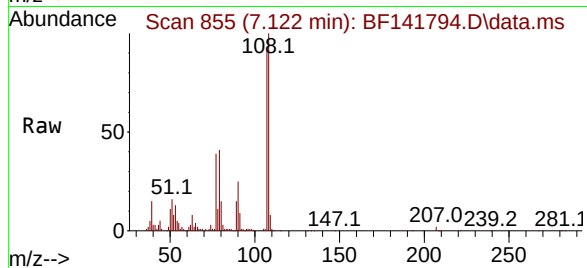
Tgt Ion: 45 Resp: 150528
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.4
79 10.7 0.0 30.9





#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

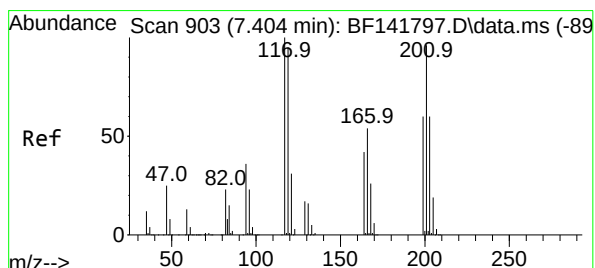
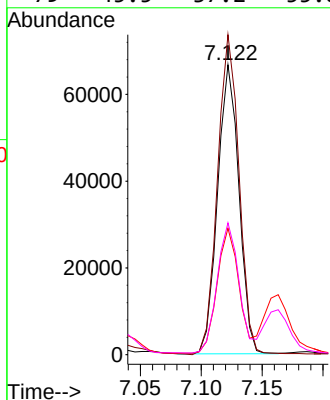
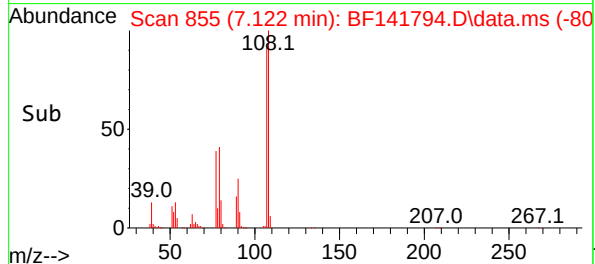
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

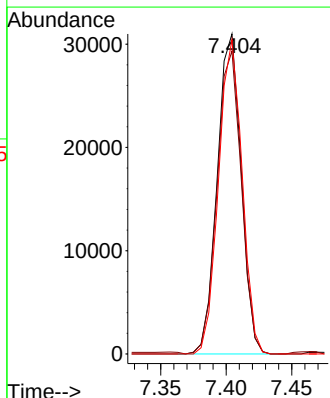
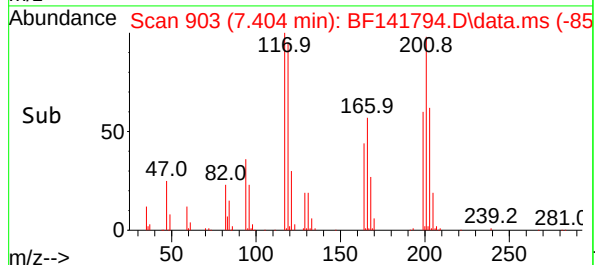
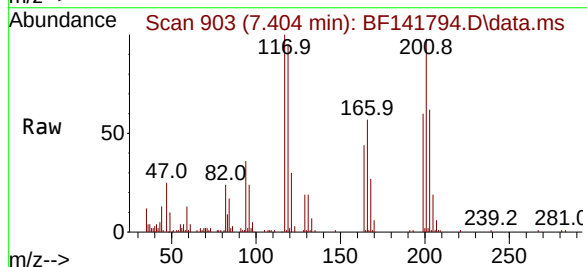
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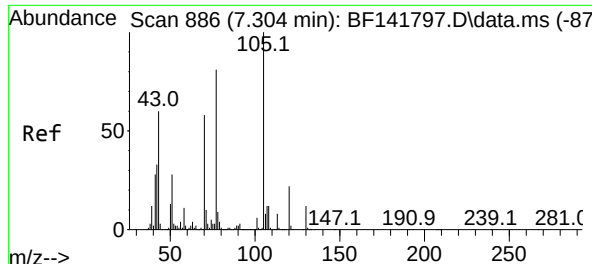
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

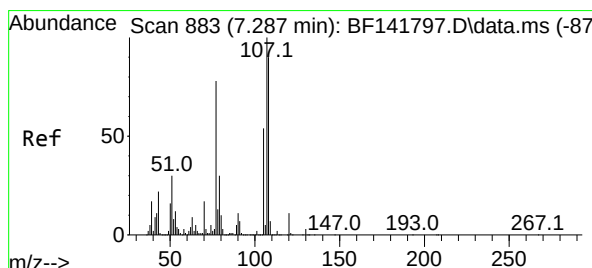
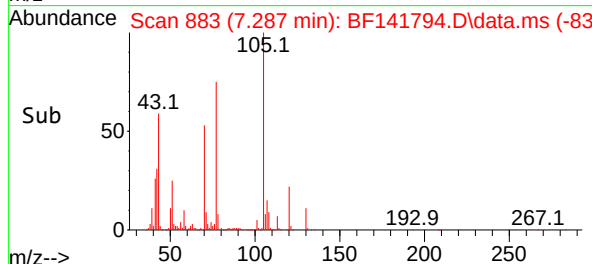
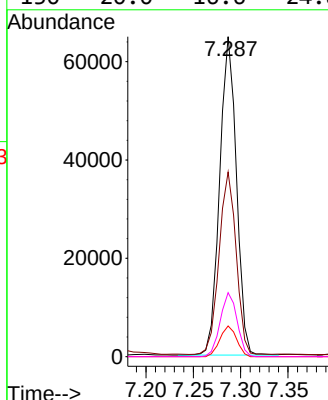
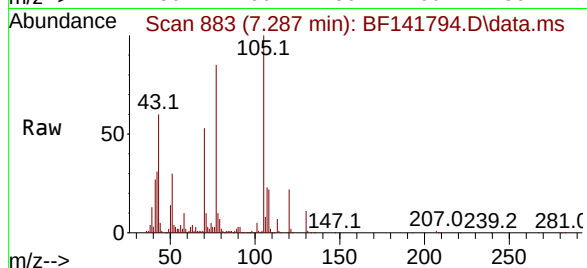
130 20.0 16.6 24.8

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

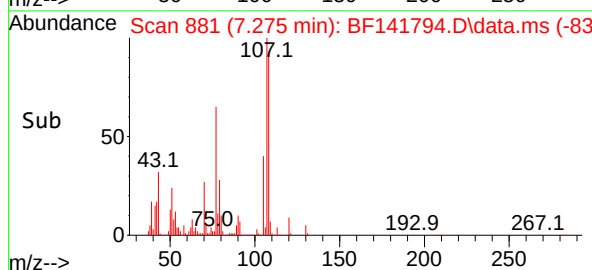
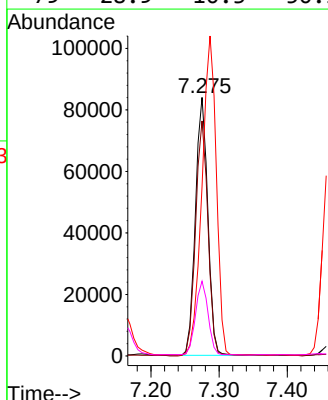
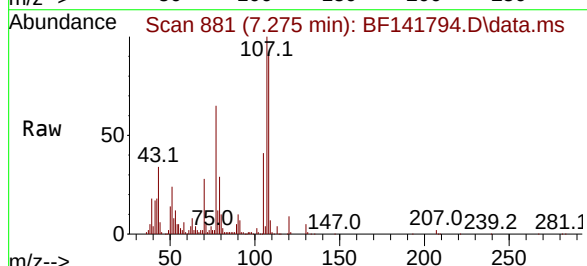
Ion Ratio Lower Upper

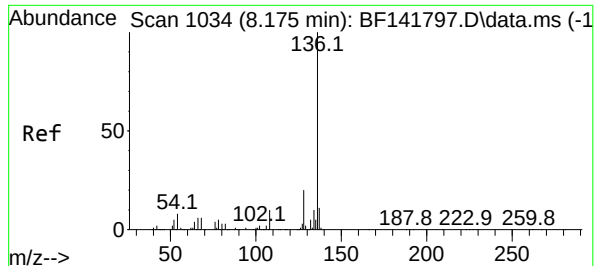
107 100

108 90.9 69.7 109.7

77 65.5 58.3 98.3

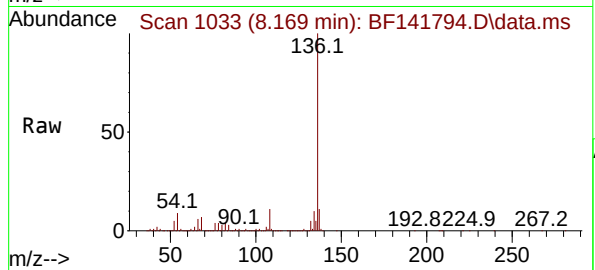
79 28.9 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

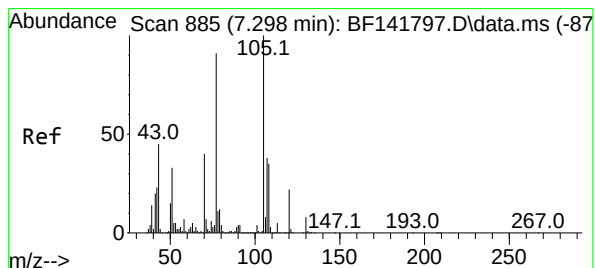
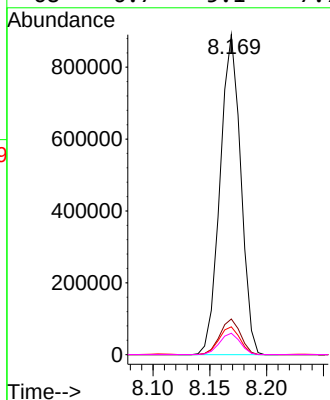
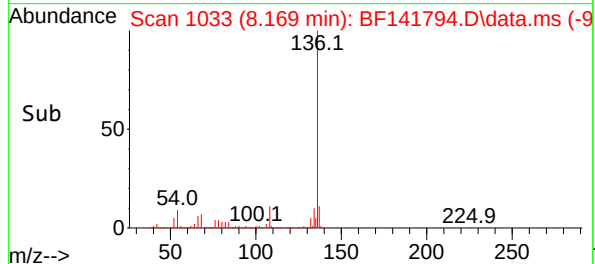
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

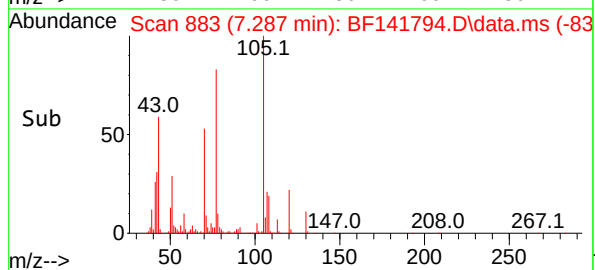
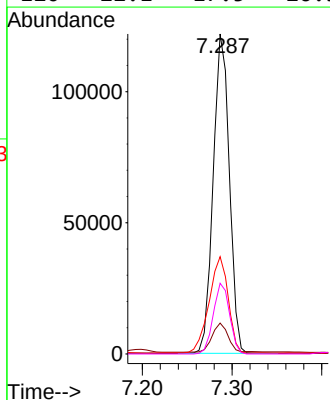
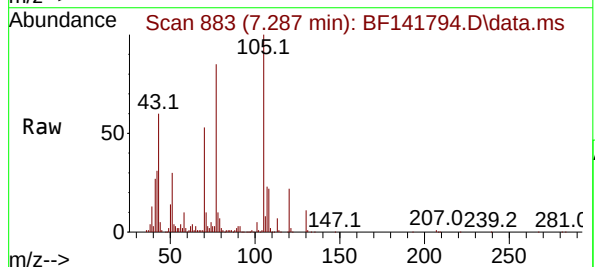
Manual Integrations
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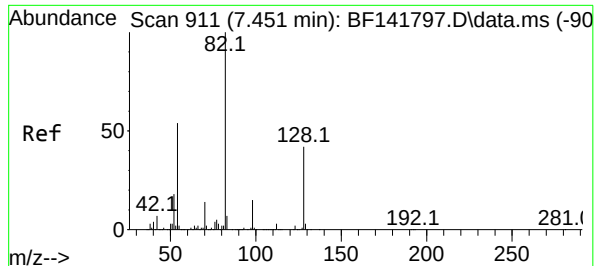
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

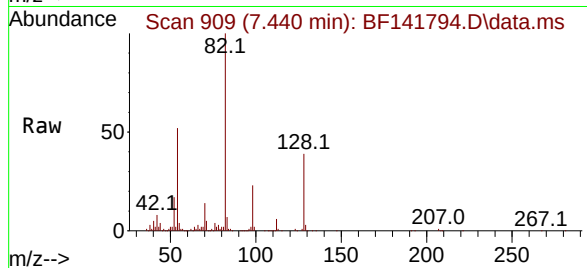
Tgt Ion:105 Resp: 152122
Ion Ratio Lower Upper
105 100
71 9.7 5.4 8.0#
51 30.4 26.1 39.1
120 22.1 17.5 26.3





#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

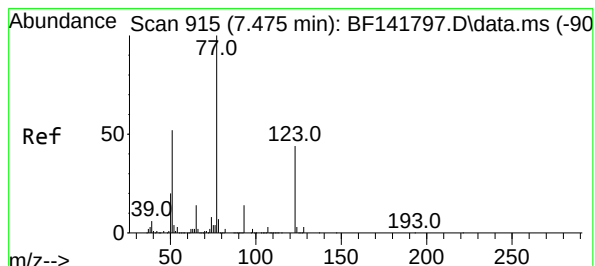
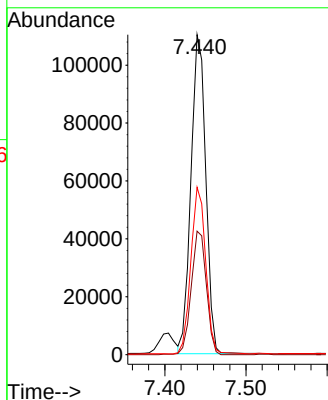
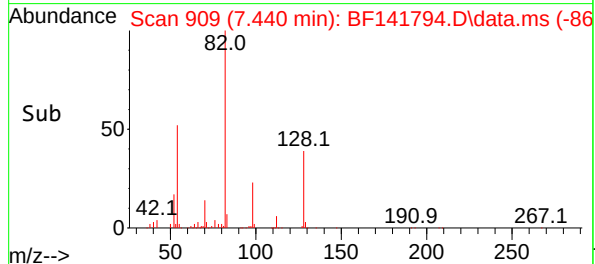
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



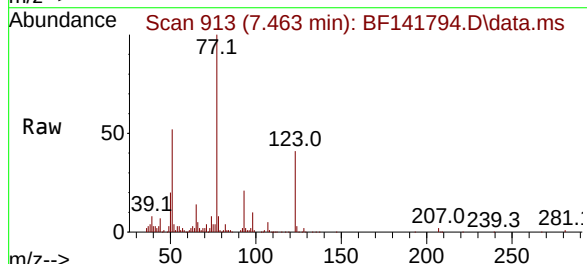
Tgt Ion: 82 Resp: 139940
Ion Ratio Lower Upper
82 100
128 38.6 33.5 50.3
54 52.3 42.7 64.1

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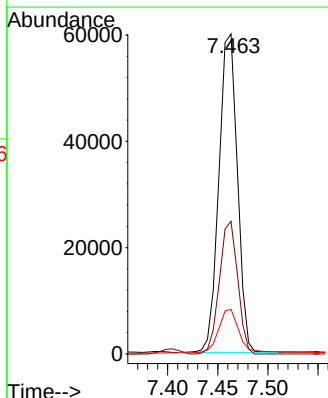
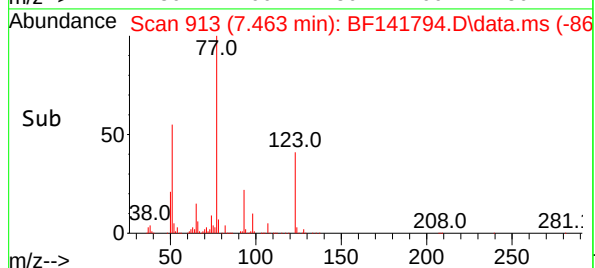
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

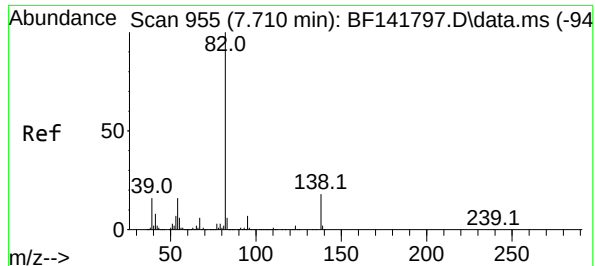


#24
Nitrobenzene
Concen: 4.071 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



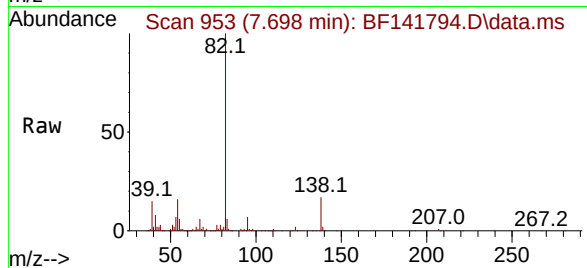
Tgt Ion: 77 Resp: 76930
Ion Ratio Lower Upper
77 100
123 41.5 35.8 53.8
65 13.9 11.2 16.8





#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

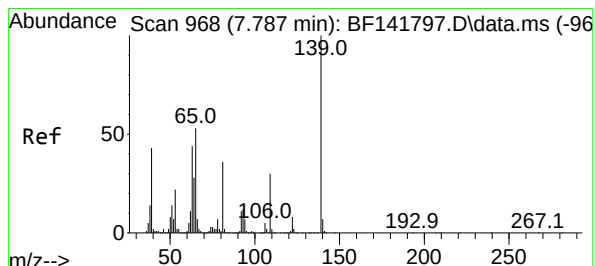
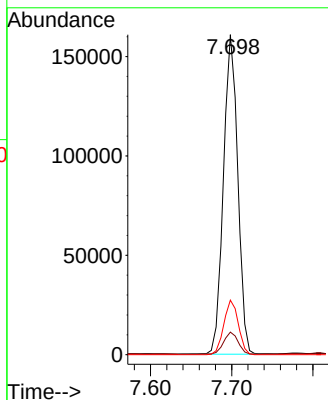
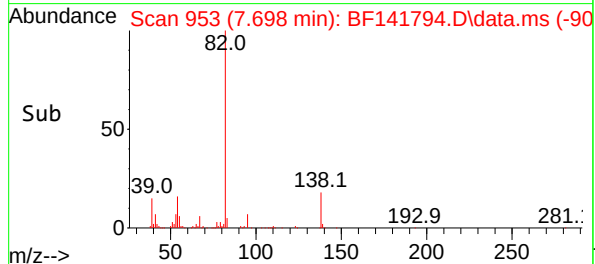
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

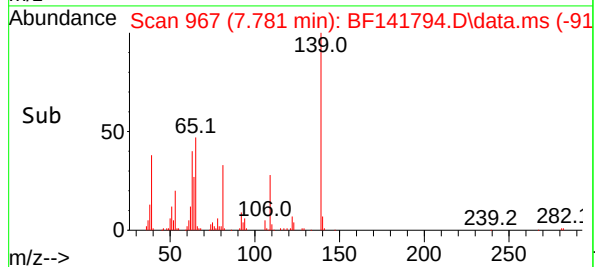
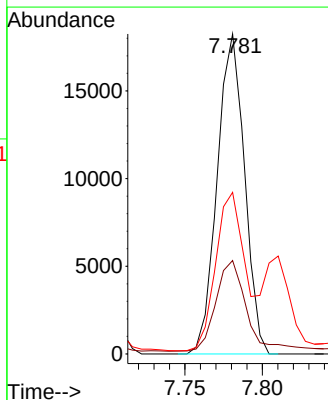
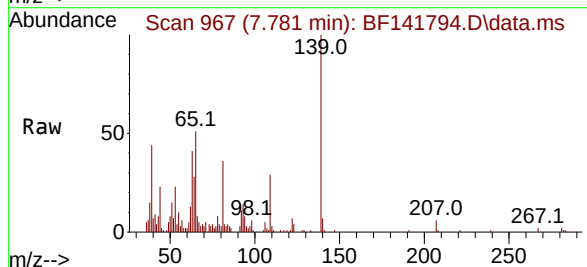
Manual Integrations
APPROVED

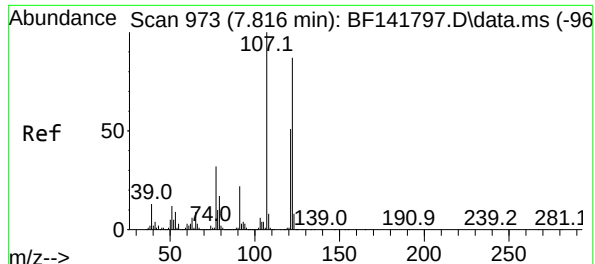
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

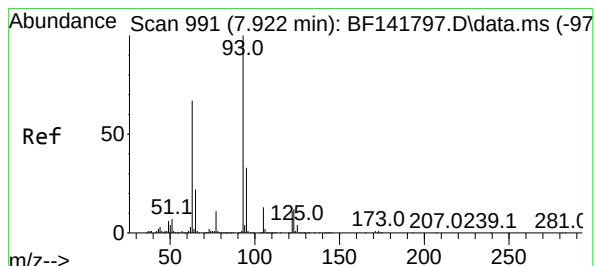
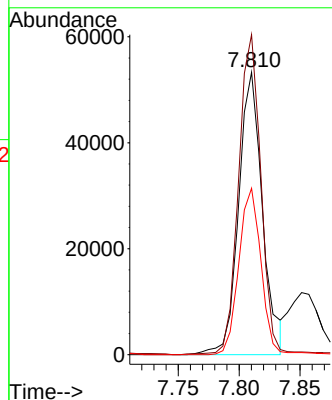
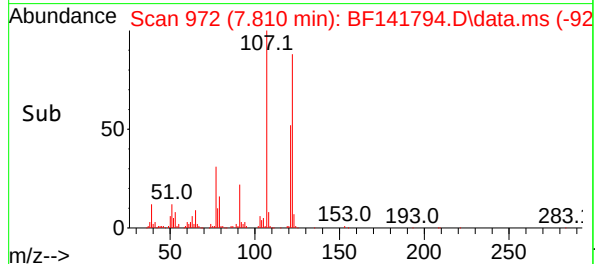
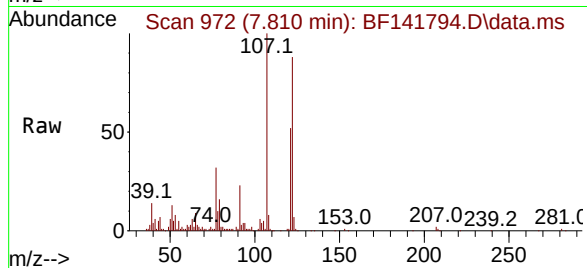
121 59.0 47.1 70.7

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

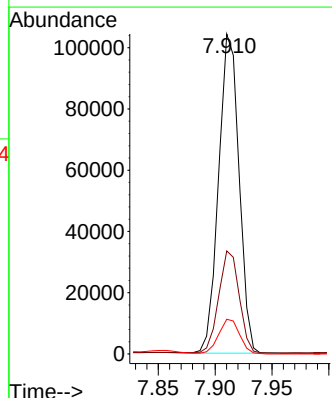
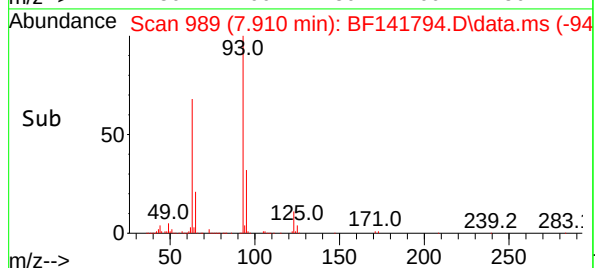
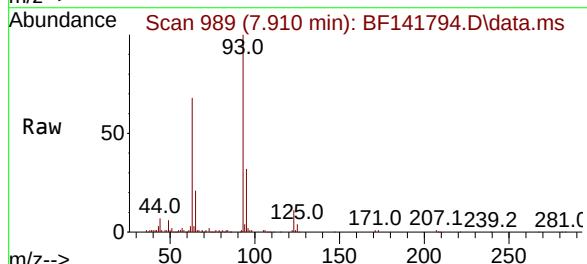
Tgt Ion: 93 Resp: 130473

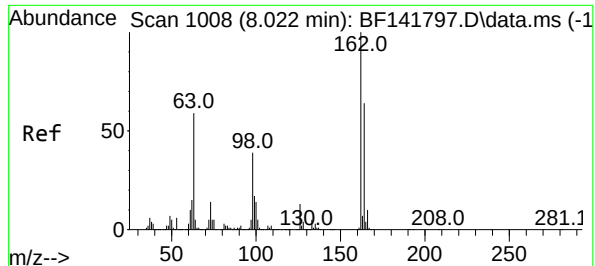
Ion Ratio Lower Upper

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 :

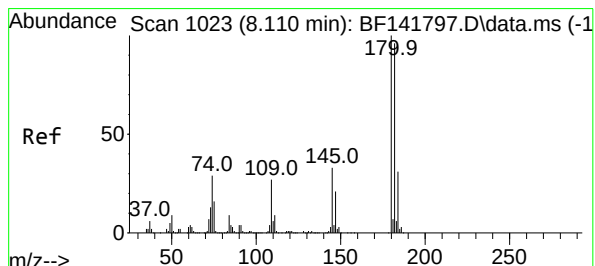
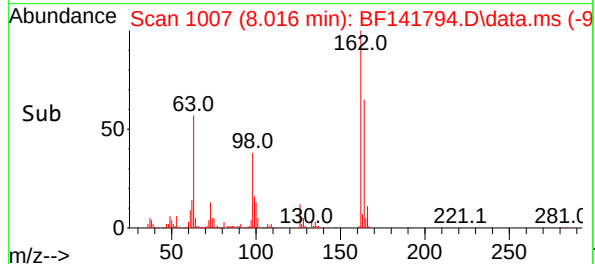
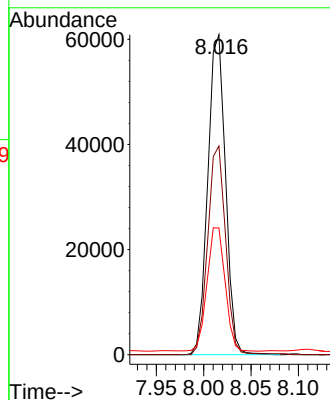
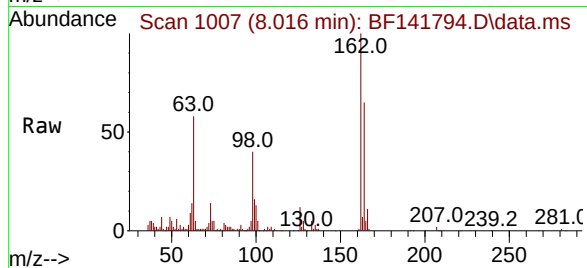
SSTDICC005

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

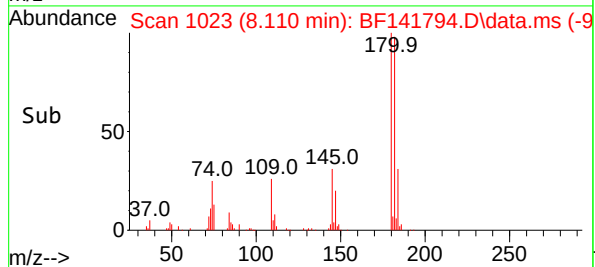
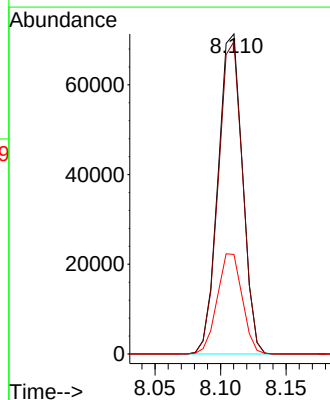
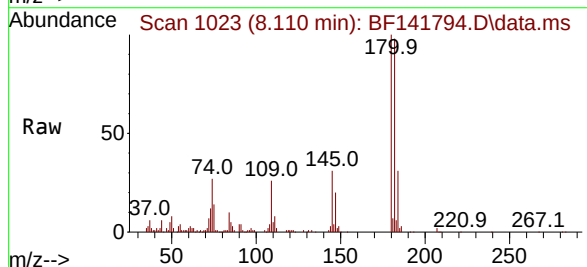
RT: 8.110 min Scan# 1023

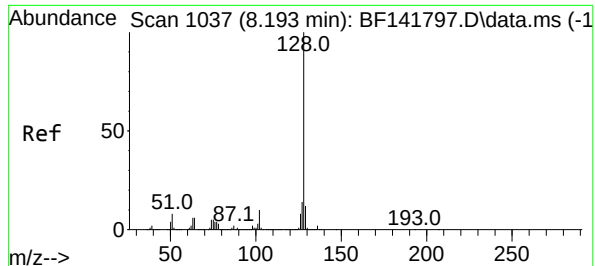
Delta R.T. -0.000 min

Lab File: BF141794.D

Acq: 27 Feb 2025 15:46

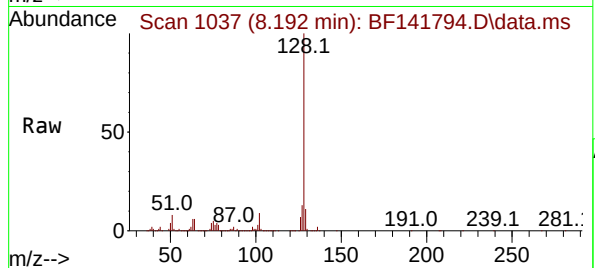
Tgt Ion:	180	Resp:	92399
Ion Ratio	Lower	Upper	
180	100		
182	97.6	76.8	115.2
145	31.1	26.4	39.6





#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

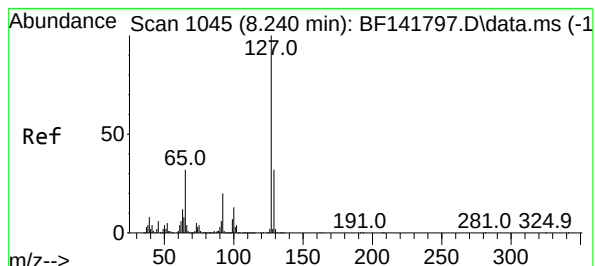
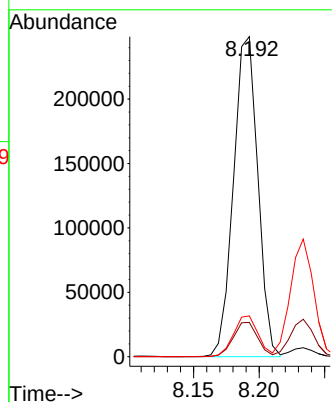
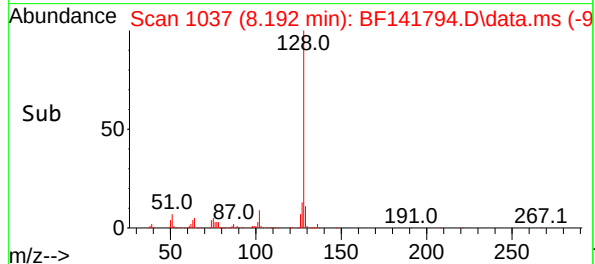
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

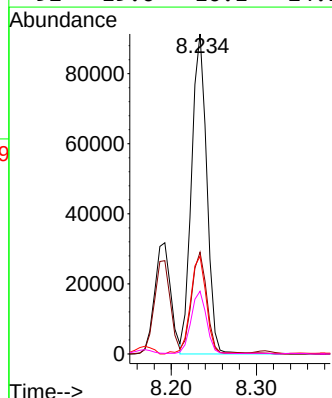
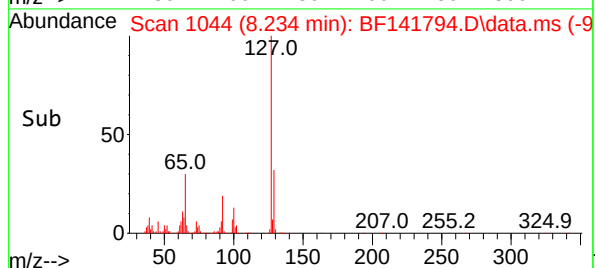
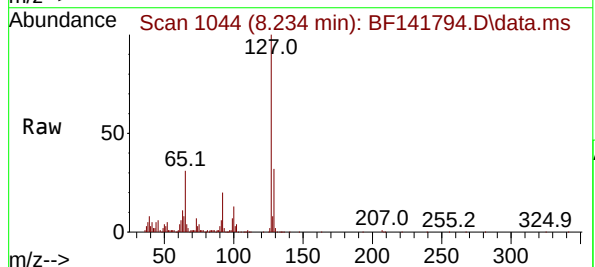
Manual Integrations
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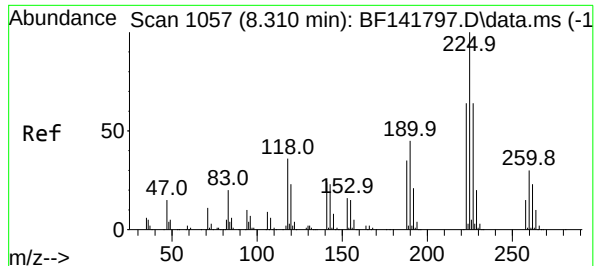
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

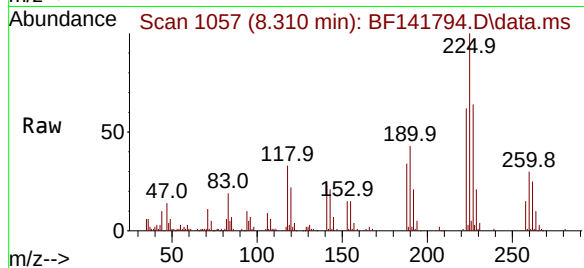
Tgt Ion:127 Resp: 113407
Ion Ratio Lower Upper
127 100
129 31.8 26.1 39.1
65 30.5 25.7 38.5
92 19.6 16.1 24.1





#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

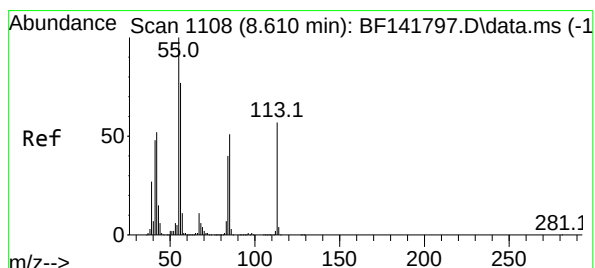
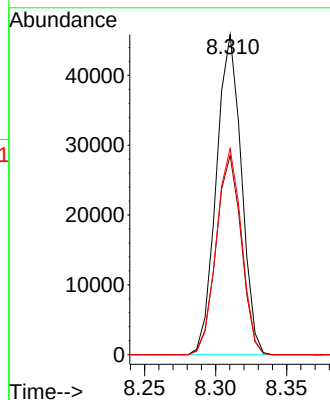
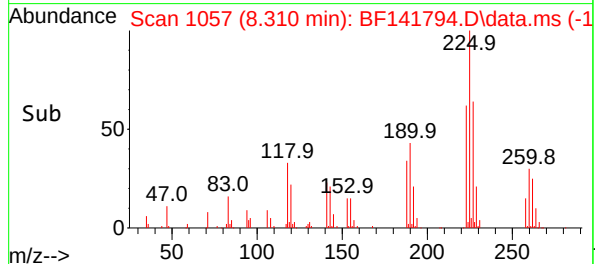
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

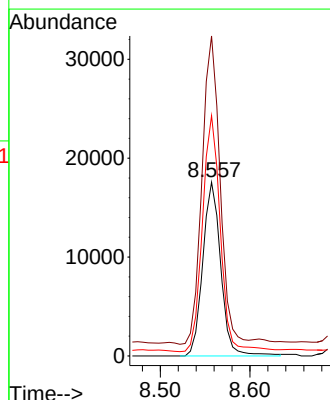
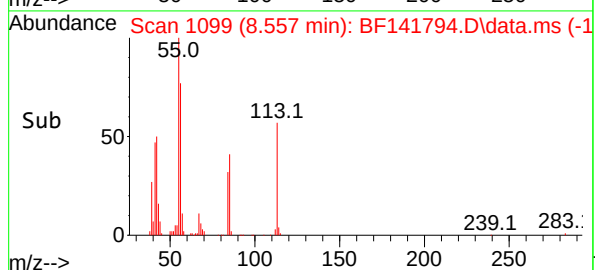
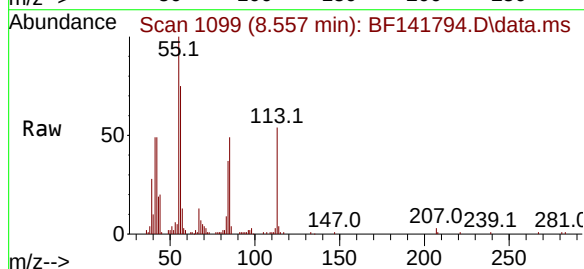
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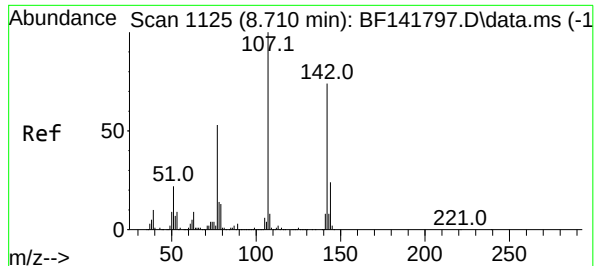
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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





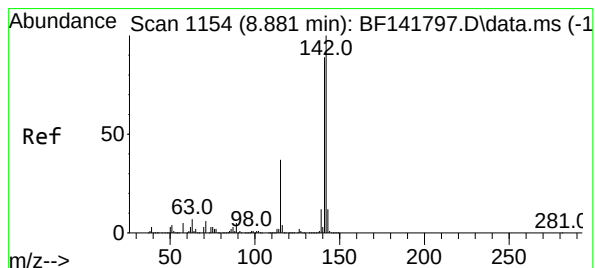
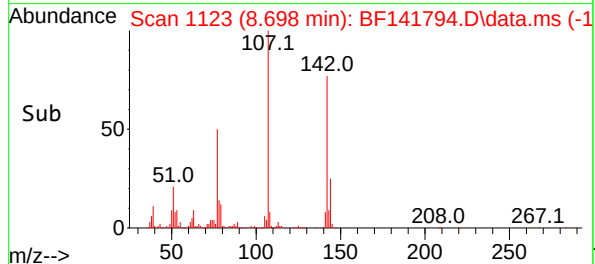
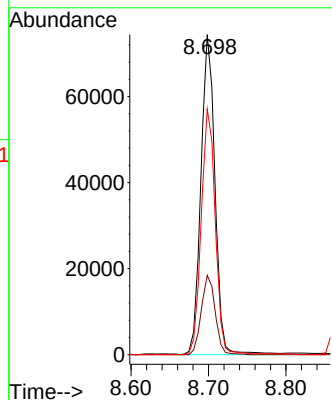
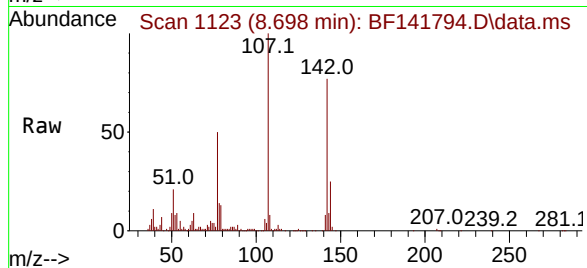
#36
4-Chloro-3-methylphenol
Concen: 5.262 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

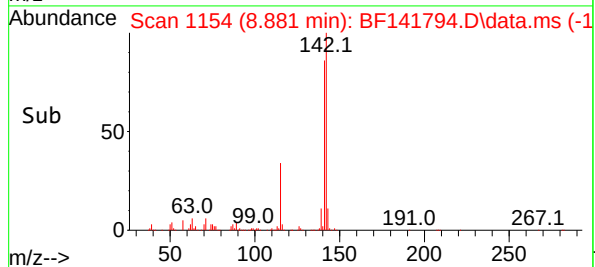
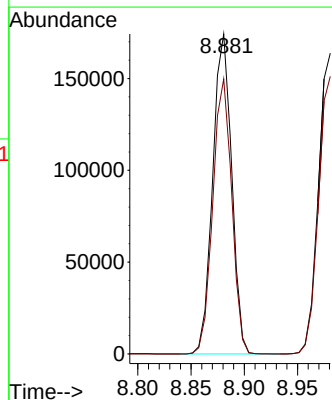
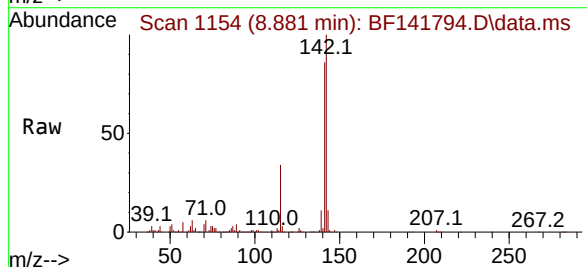
Manual Integrations
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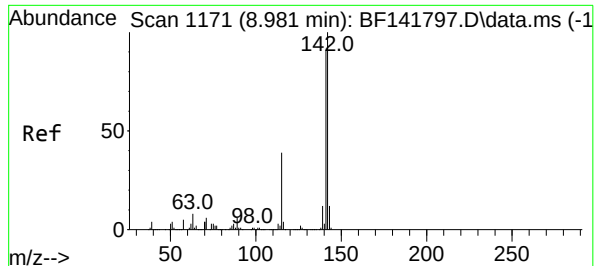
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

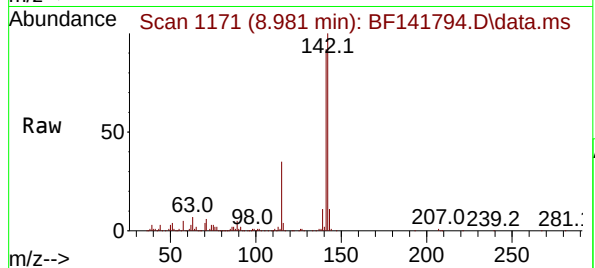
Tgt Ion:142 Resp: 214971
Ion Ratio Lower Upper
142 100
141 86.0 71.1 106.7





#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

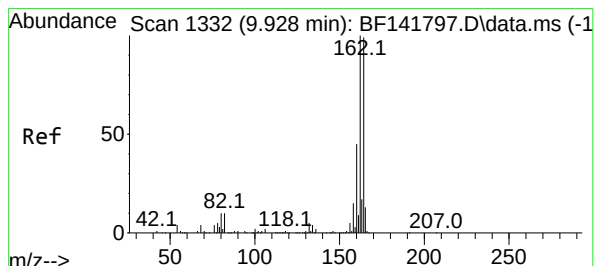
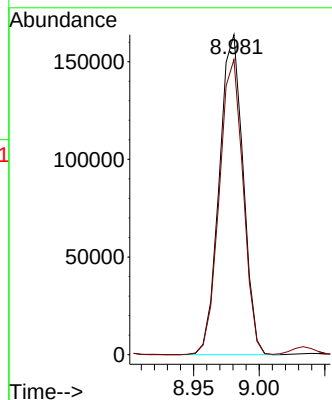
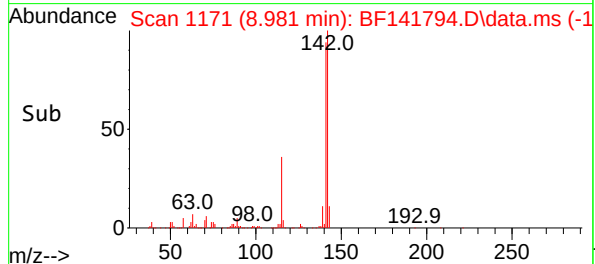
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

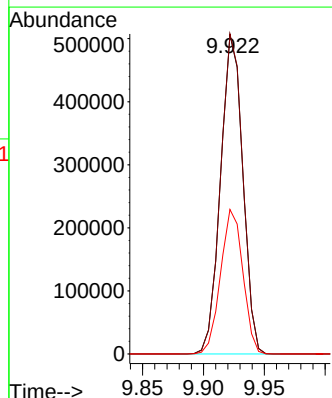
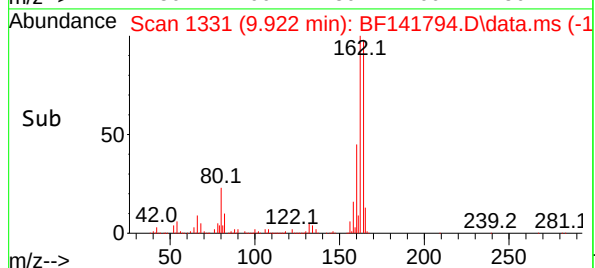
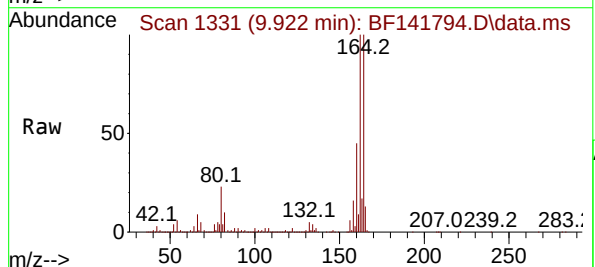
Manual Integrations
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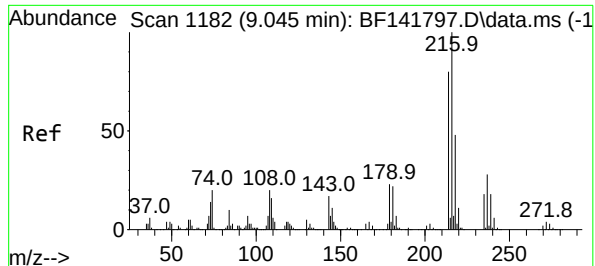
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

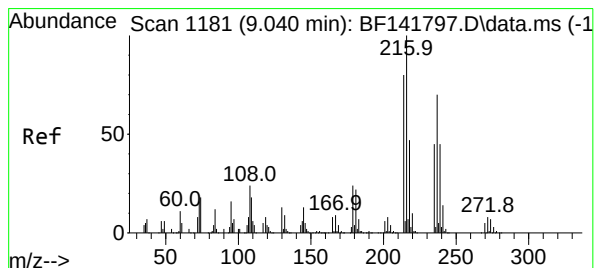
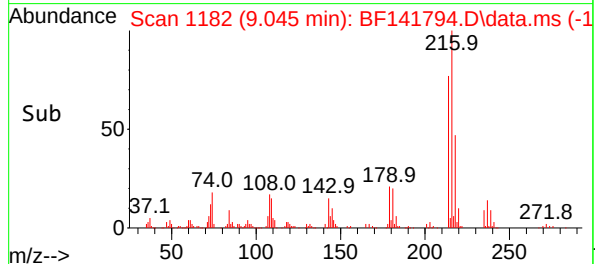
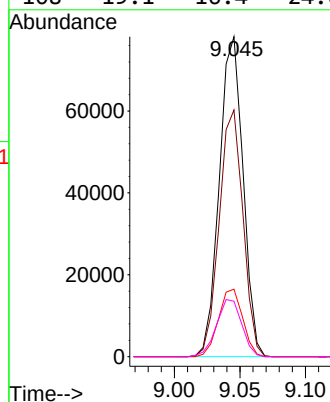
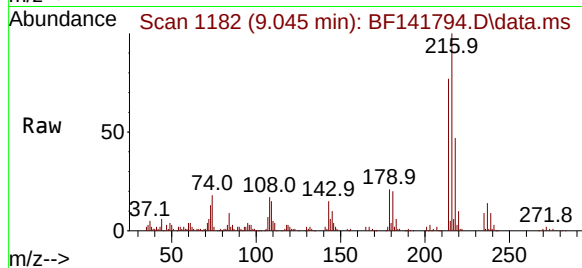
108 19.1 16.4 24.6

Manual Integrations

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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

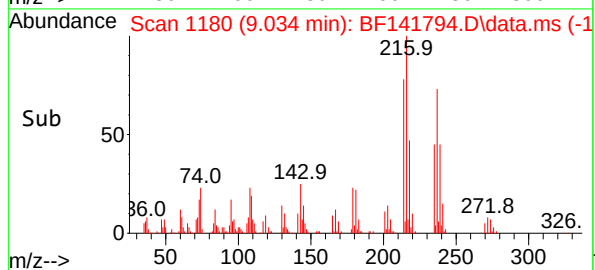
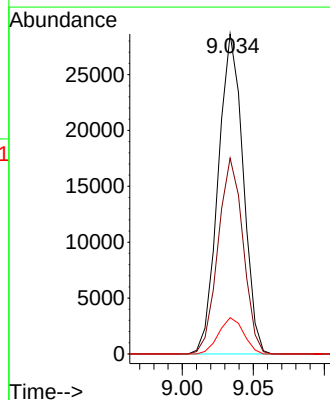
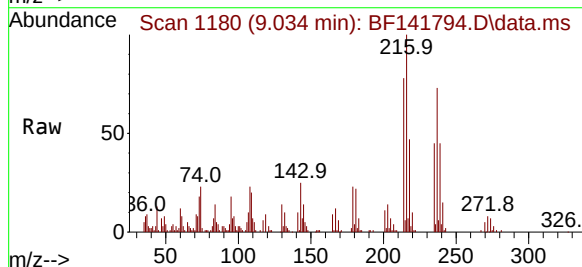
Tgt Ion:237 Resp: 34990

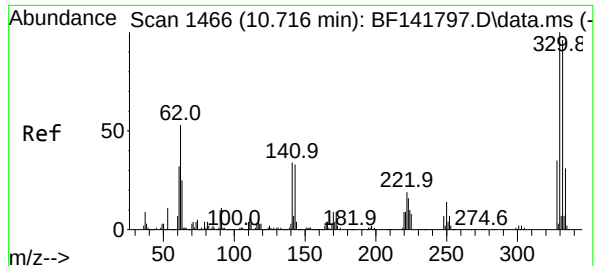
Ion Ratio Lower Upper

237 100

235 61.2 43.3 83.3

272 11.4 0.0 31.9





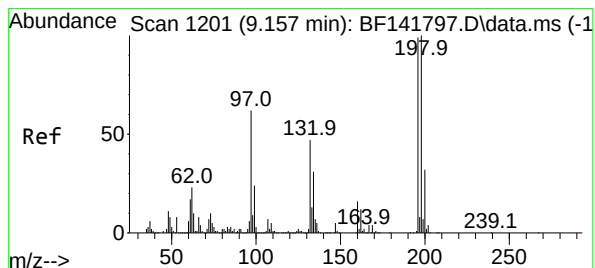
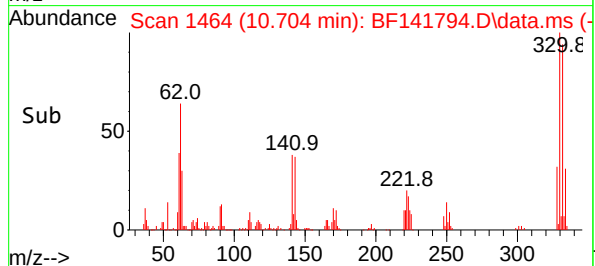
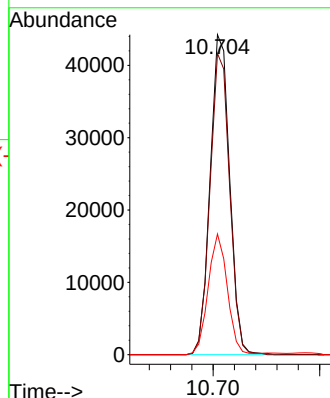
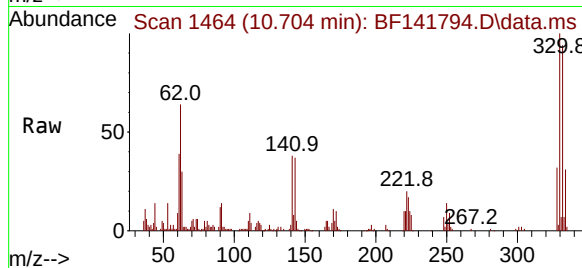
#42
2,4,6-Tribromophenol
Concen: 9.331 ng
RT: 10.704 min Scan# 1466
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

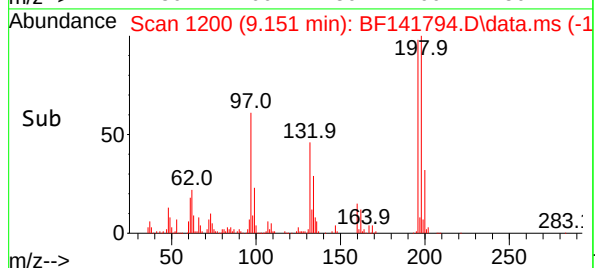
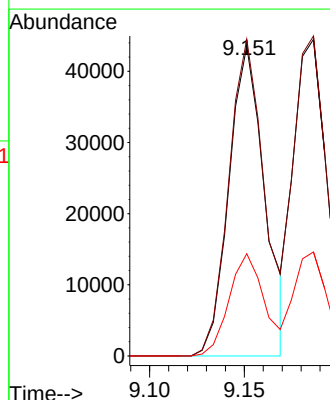
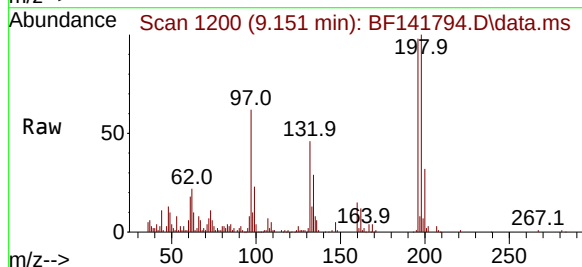
Manual Integrations
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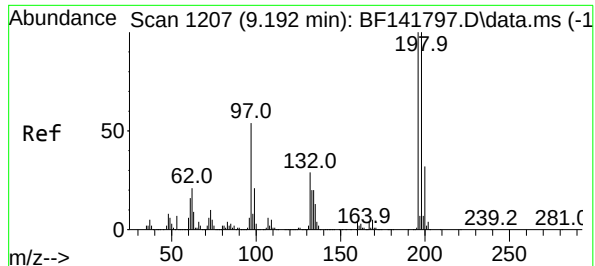
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

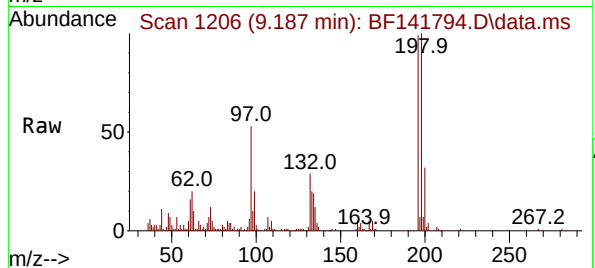
Tgt Ion:196 Resp: 57097
Ion Ratio Lower Upper
196 100
198 102.2 80.4 120.6
200 33.0 25.7 38.5





#44
2,4,5-Trichlorophenol
Concen: 4.706 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

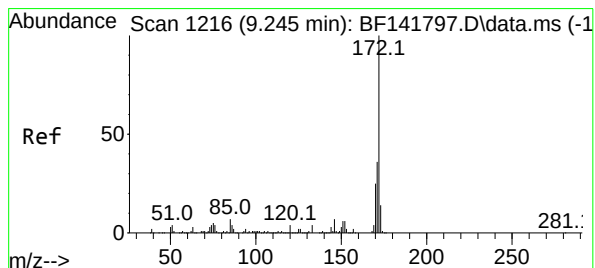
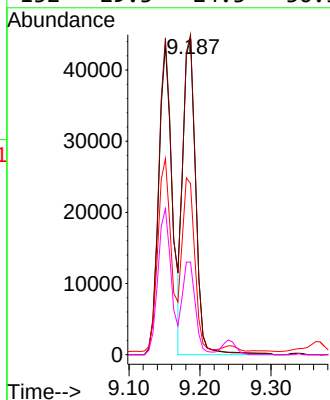
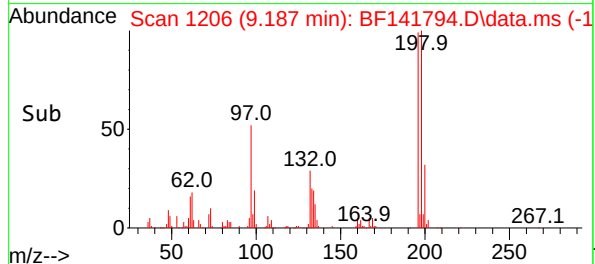
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

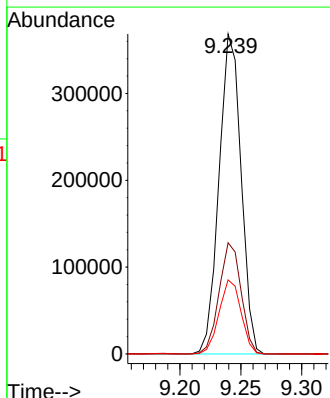
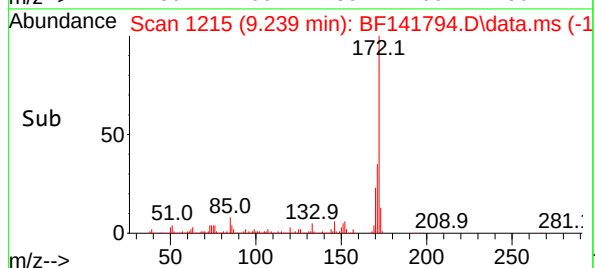
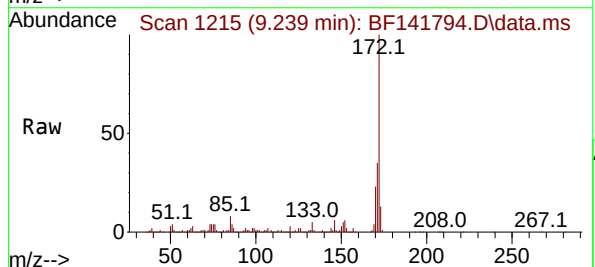
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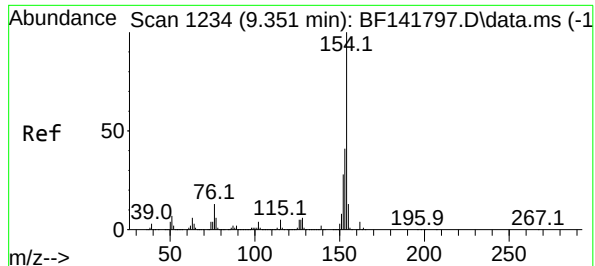
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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





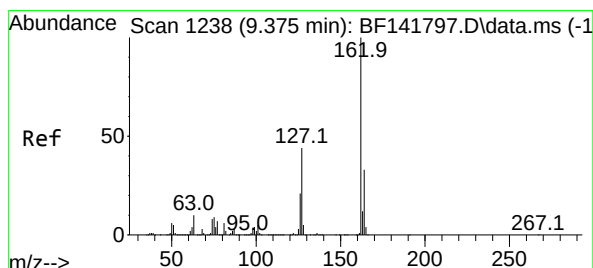
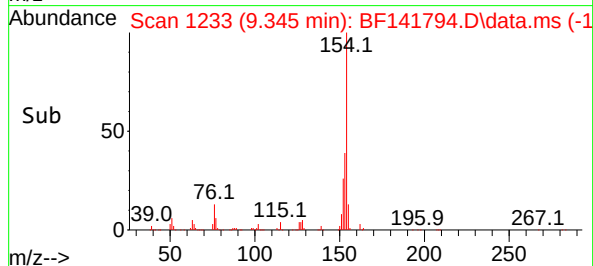
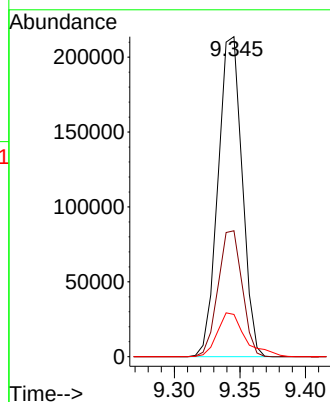
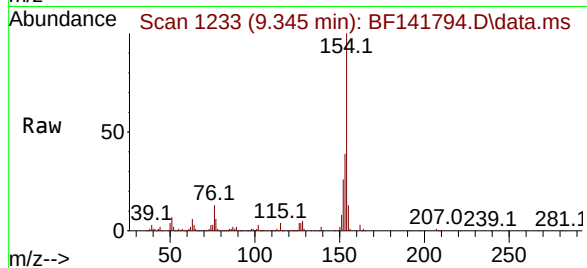
#46
1,1'-Biphenyl
Concen: 5.563 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

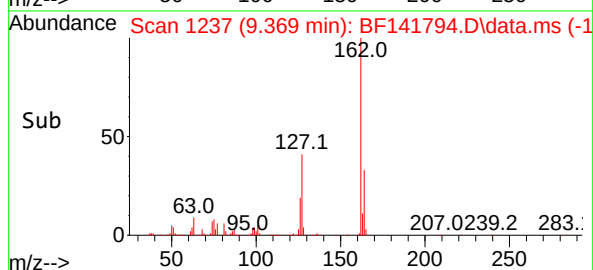
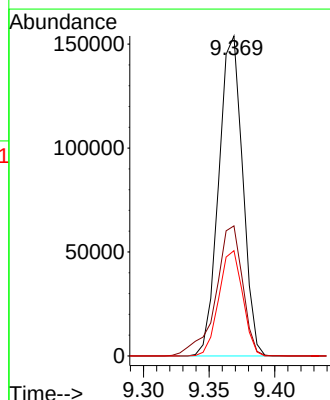
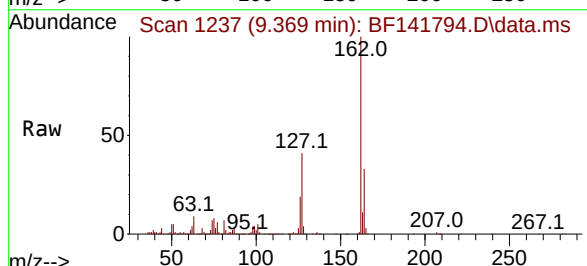
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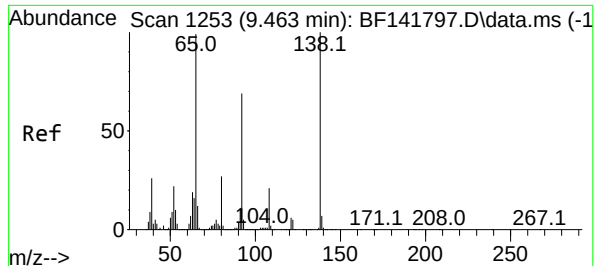
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

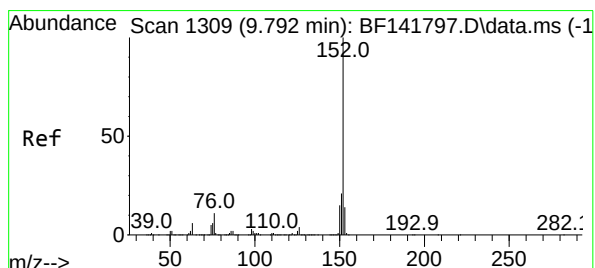
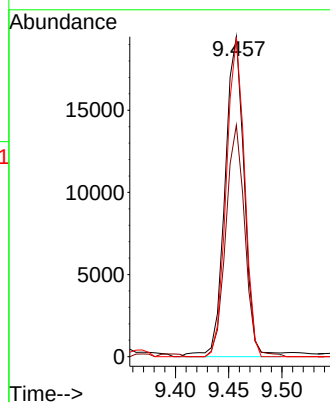
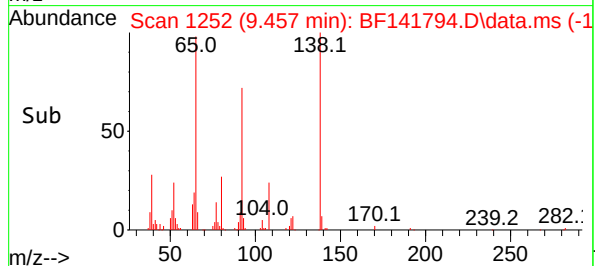
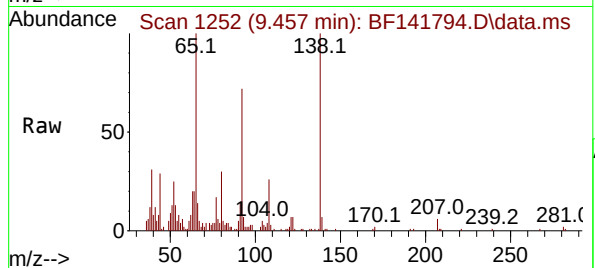
138 99.8 80.6 121.0

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

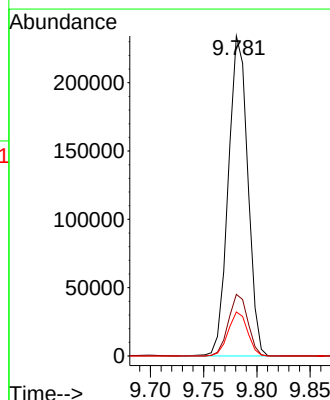
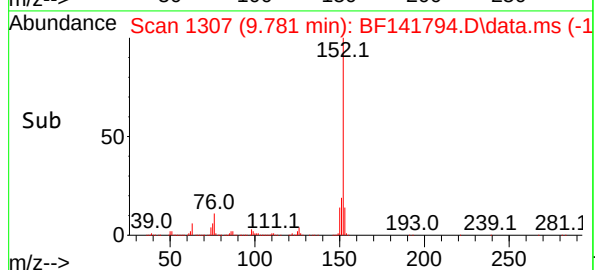
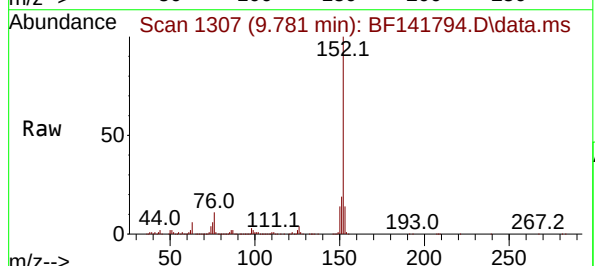
Tgt Ion:152 Resp: 297257

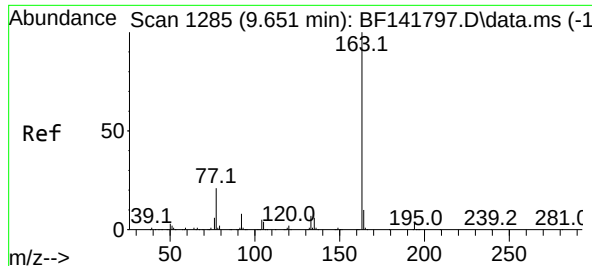
Ion Ratio Lower Upper

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: 230425

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

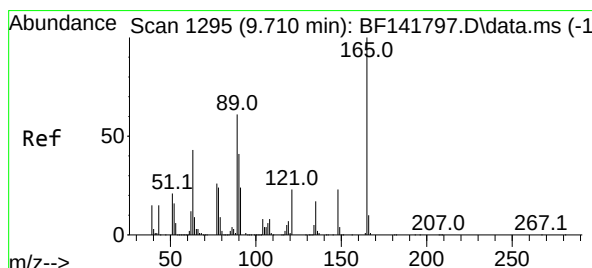
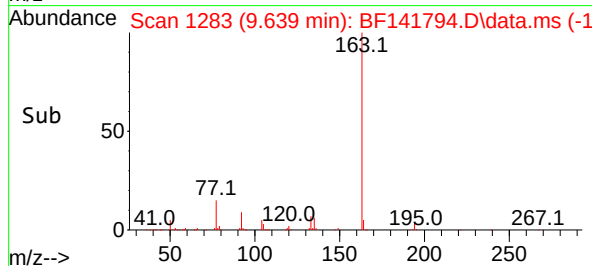
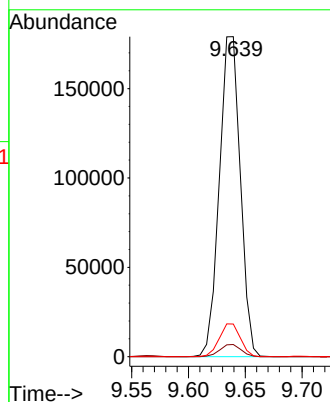
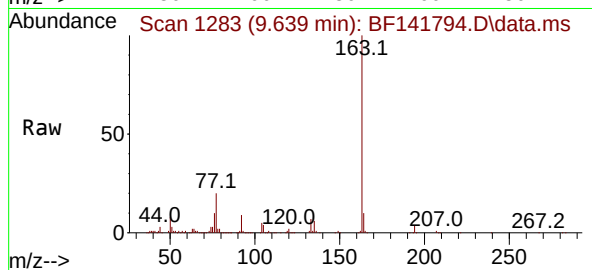
164 10.2 8.4 12.6

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

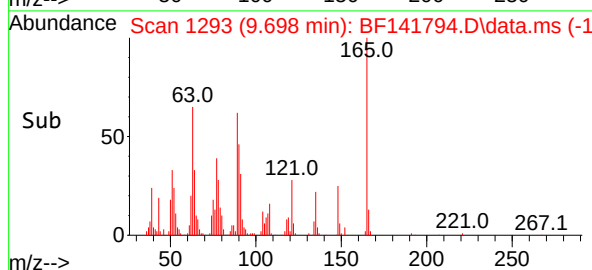
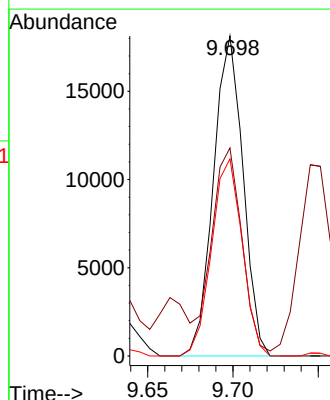
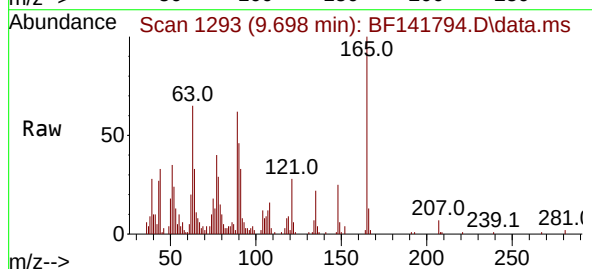
Tgt Ion:165 Resp: 21902

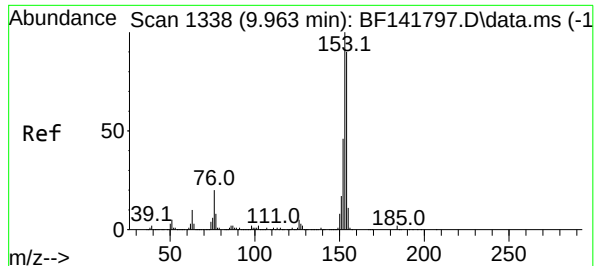
Ion Ratio Lower Upper

165 100

63 65.0 49.5 74.3

89 61.6 49.0 73.4





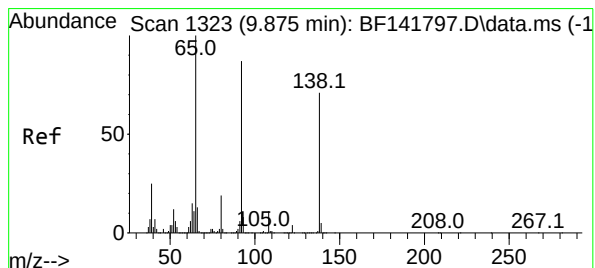
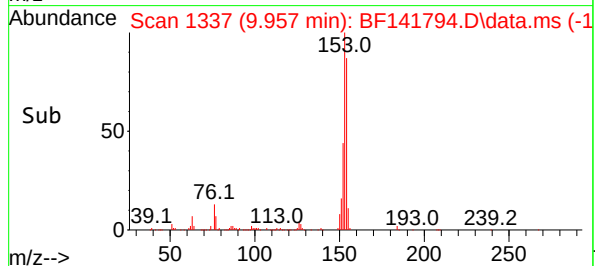
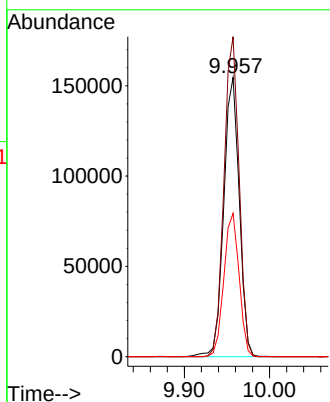
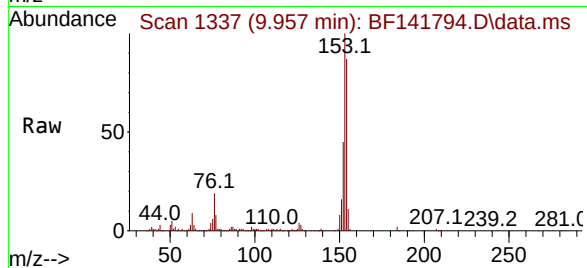
#52
Acenaphthene
Concen: 5.353 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

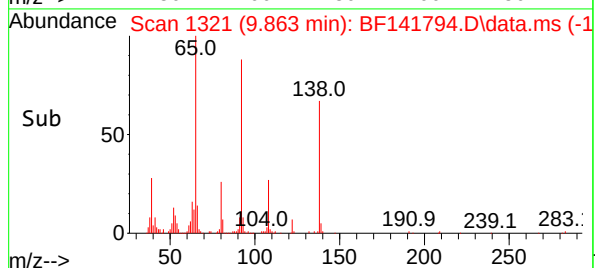
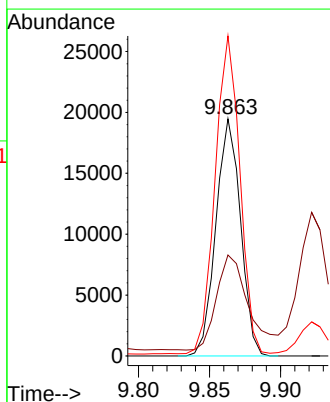
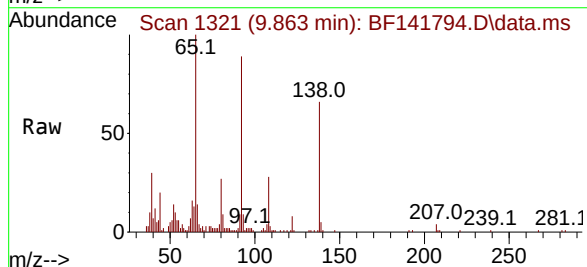
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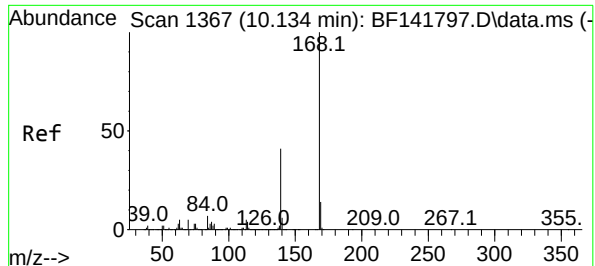
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

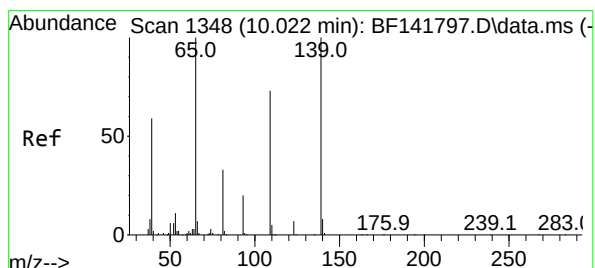
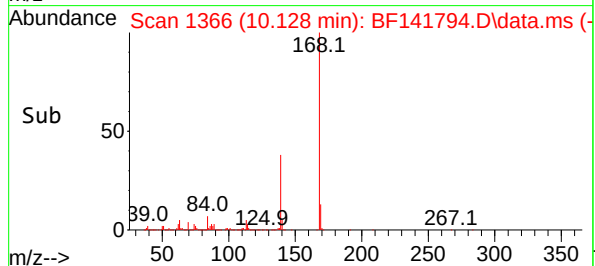
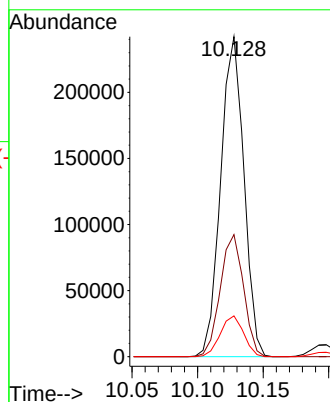
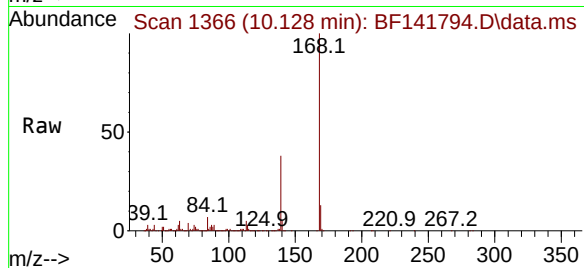
169 12.8 11.1 16.7

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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

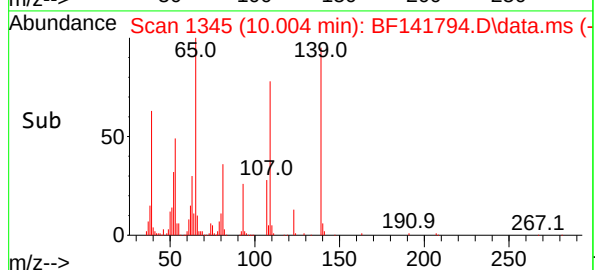
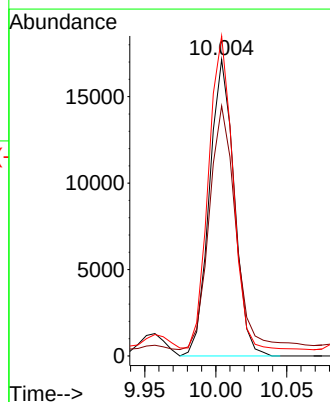
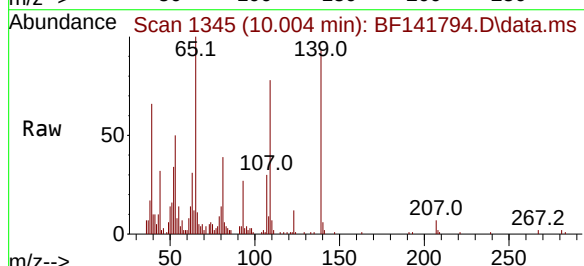
Tgt Ion:139 Resp: 20838

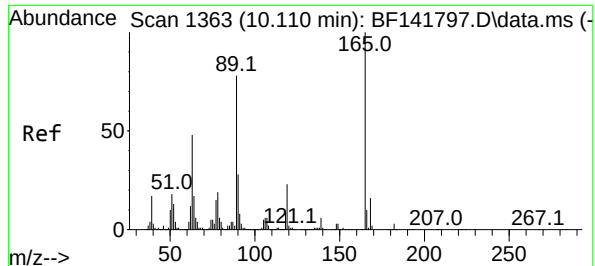
Ion Ratio Lower Upper

139 100

109 84.4 53.4 93.4

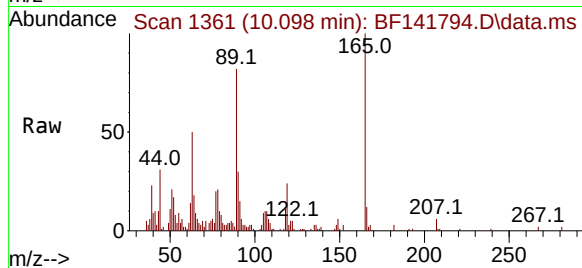
65 107.9 82.1 122.1





#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

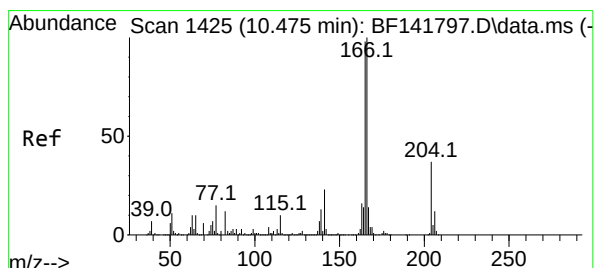
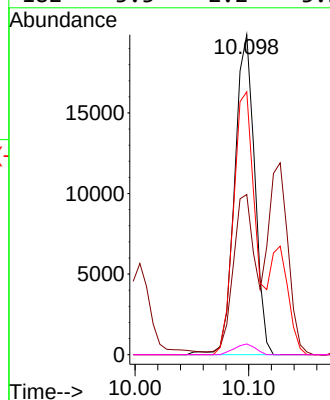
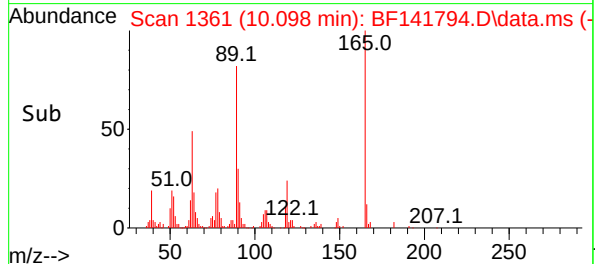
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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#

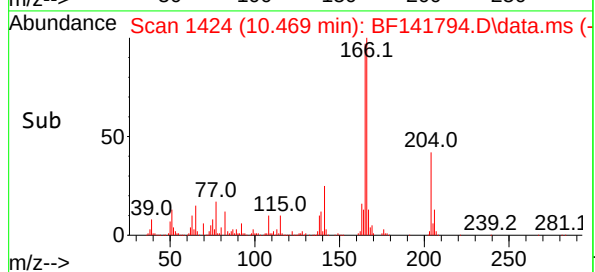
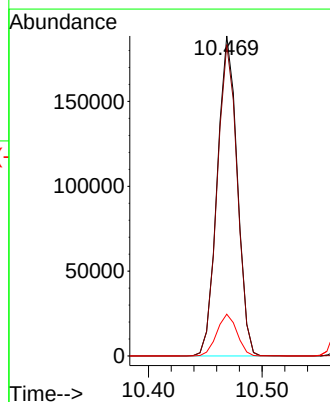
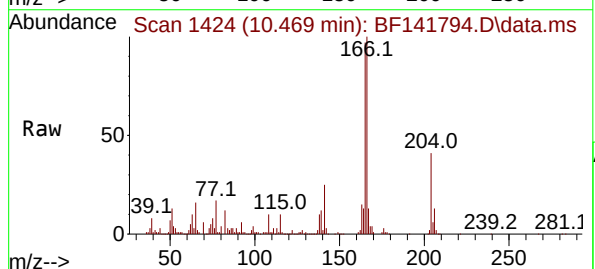
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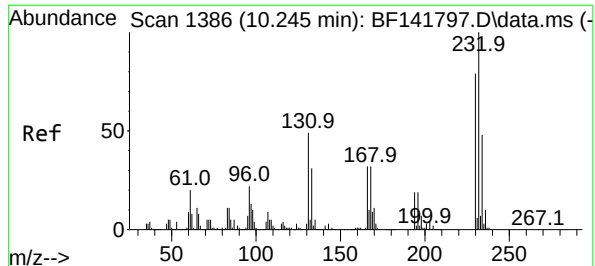
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

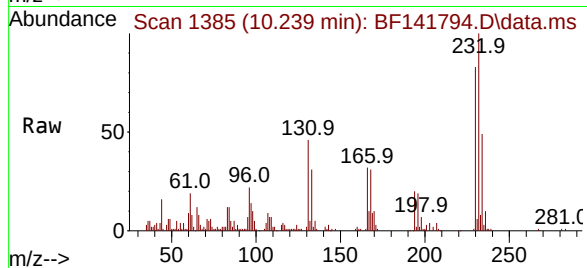
Tgt Ion:166 Resp: 230713
Ion Ratio Lower Upper
166 100
165 97.3 78.6 117.8
167 13.0 11.0 16.4





#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

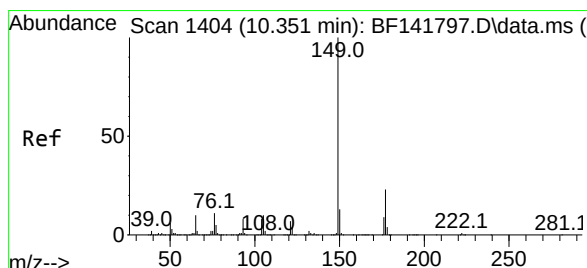
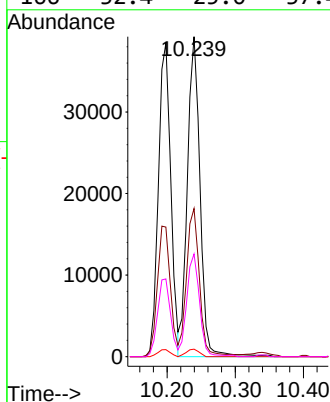
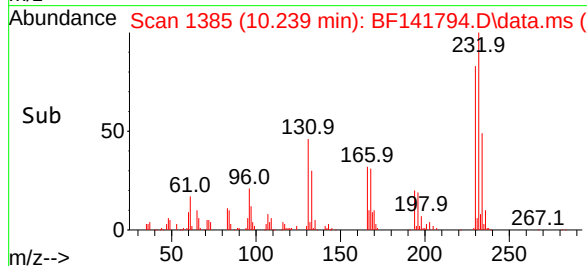
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

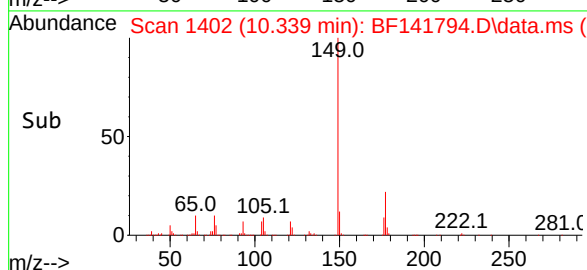
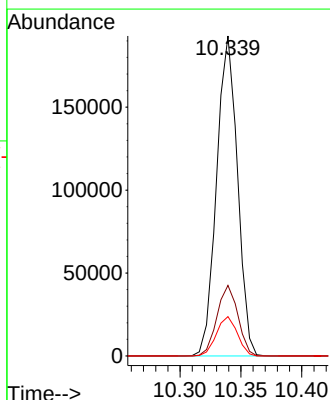
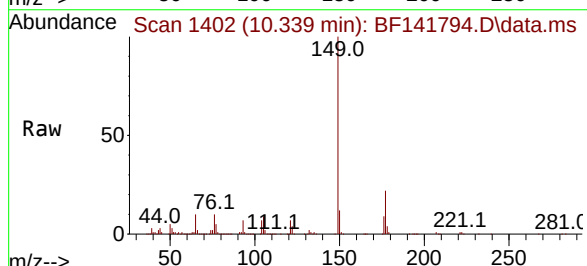
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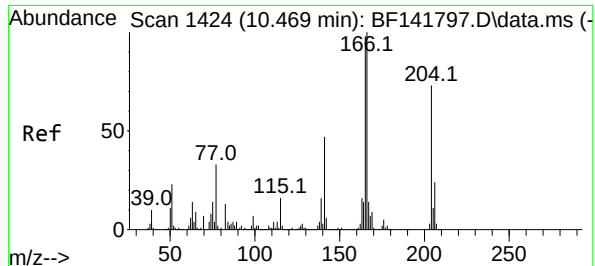
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

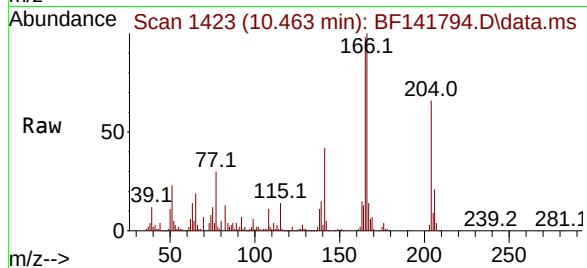
Tgt Ion:149 Resp: 230060
Ion Ratio Lower Upper
149 100
177 22.1 18.3 27.5
150 12.3 10.3 15.5





#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

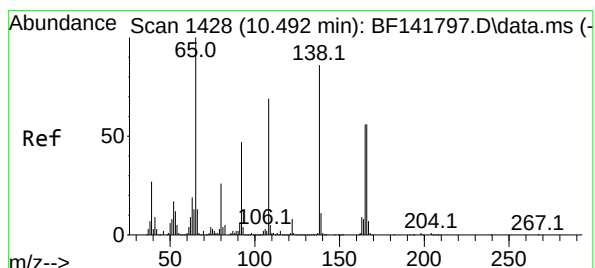
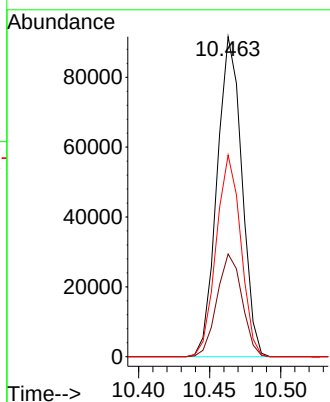
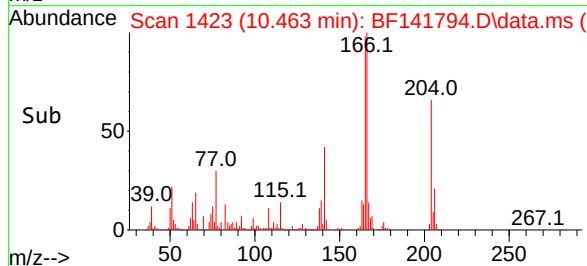
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

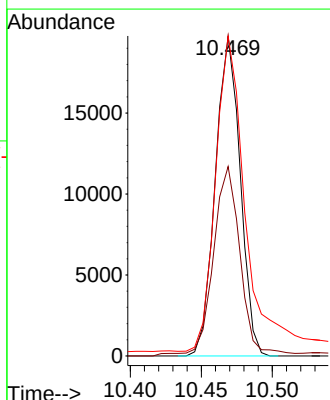
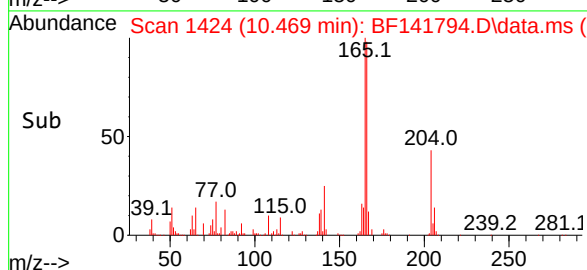
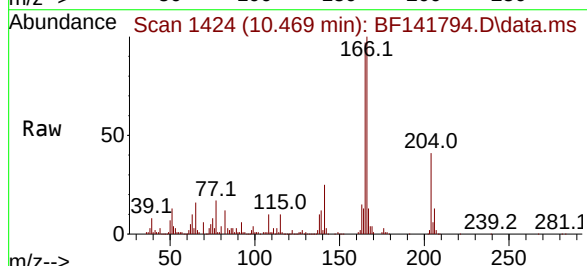
Manual Integrations
APPROVED

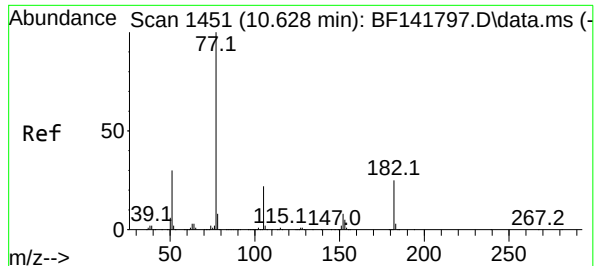
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

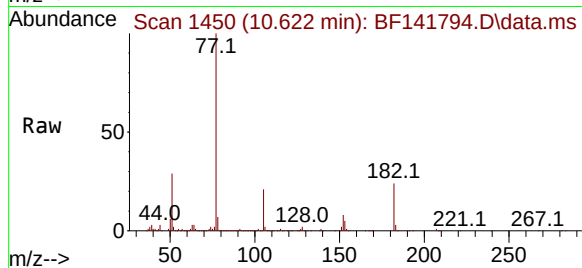
Tgt Ion:138 Resp: 24006
Ion Ratio Lower Upper
138 100
92 59.3 34.9 74.9
108 100.2 59.6 99.6#





#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

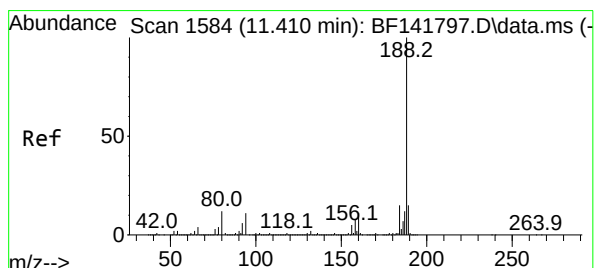
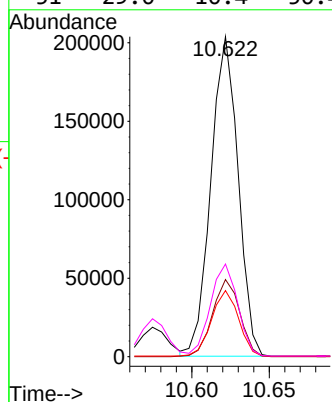
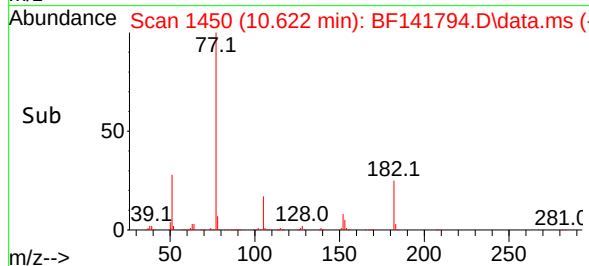
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

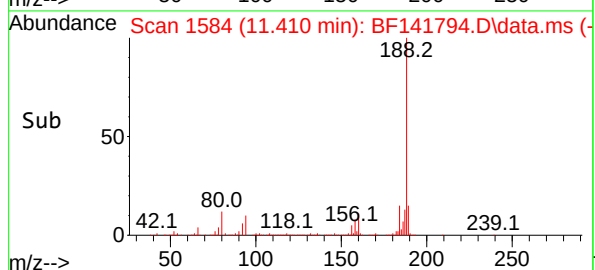
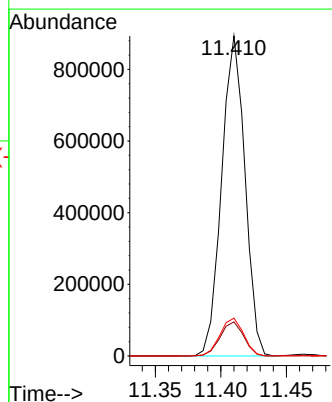
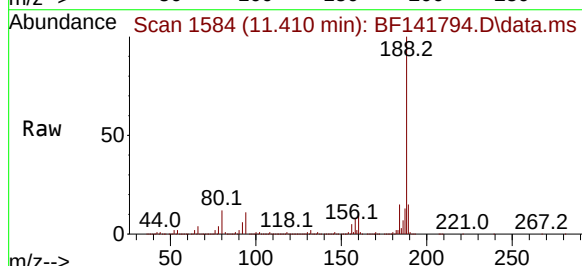
Manual Integrations
APPROVED

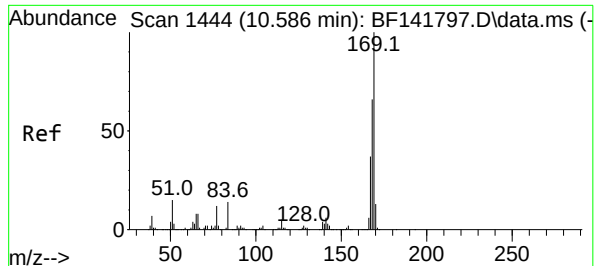
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

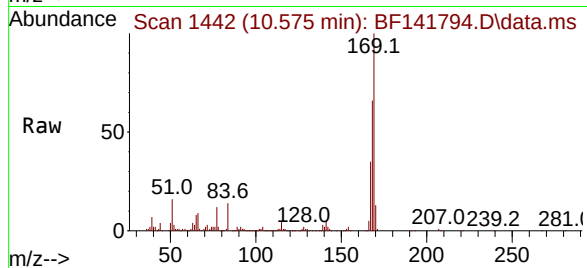
Tgt Ion:188 Resp: 1101046
Ion Ratio Lower Upper
188 100
94 10.6 8.9 13.3
80 11.8 9.7 14.5





#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

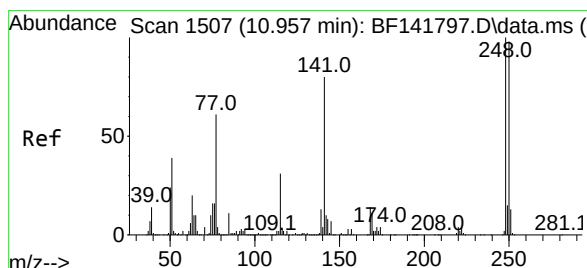
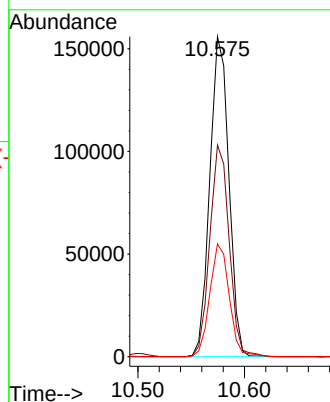
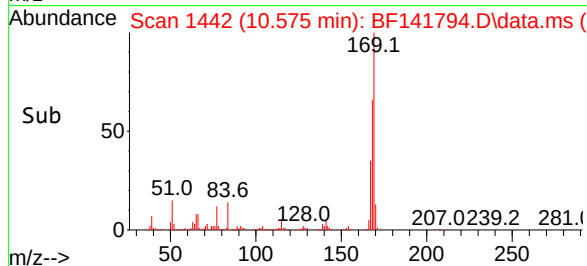
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

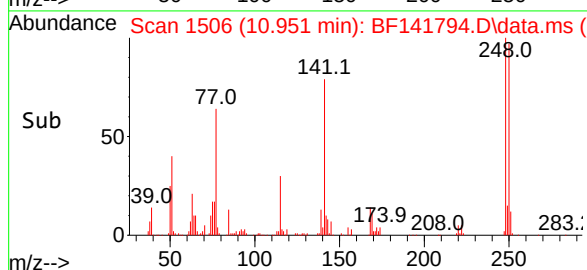
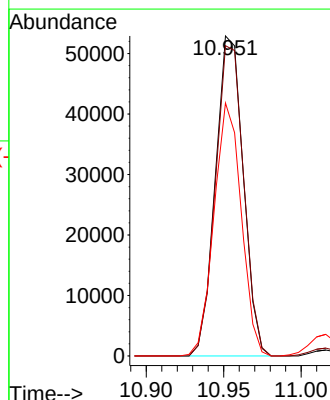
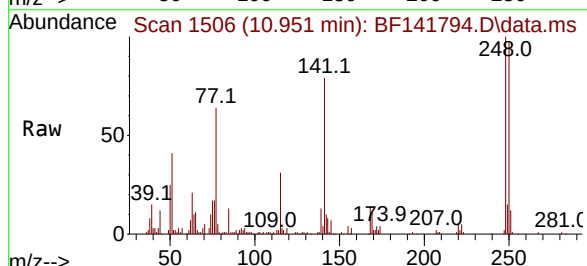
Manual Integrations
APPROVED

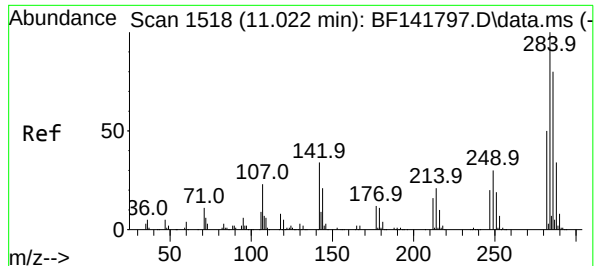
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

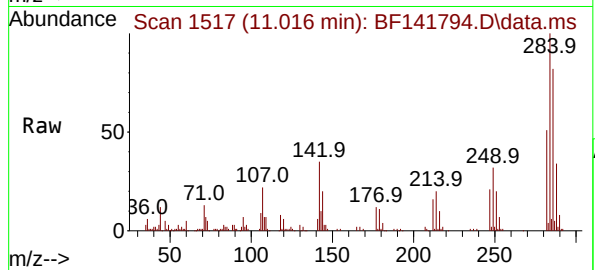
Tgt Ion:248 Resp: 66312
Ion Ratio Lower Upper
248 100
250 97.0 78.1 117.1
141 79.0 64.3 96.5





#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

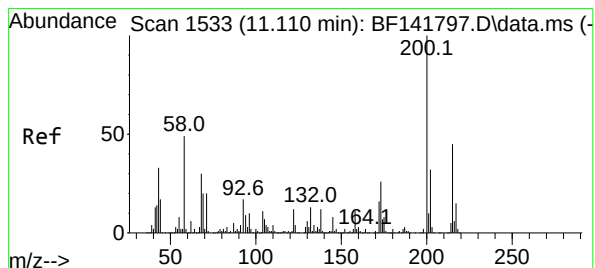
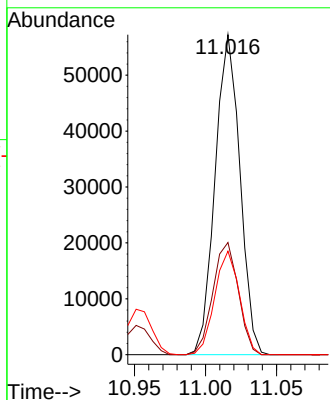
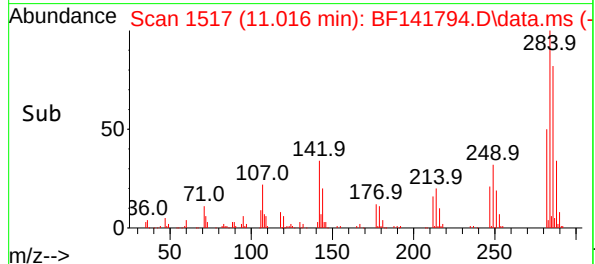
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



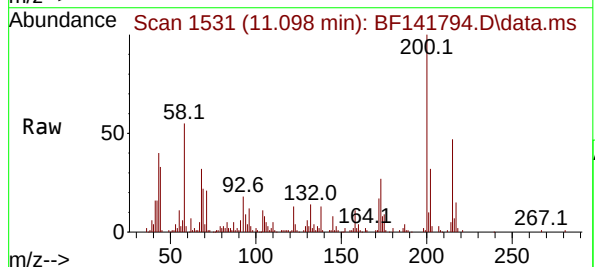
Tgt Ion:284 Resp: 69598
Ion Ratio Lower Upper
284 100
142 35.1 28.2 42.2
249 32.3 25.5 38.3

Manual Integrations
APPROVED

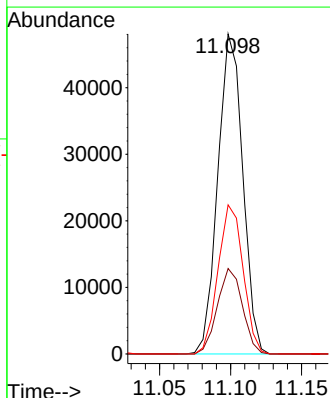
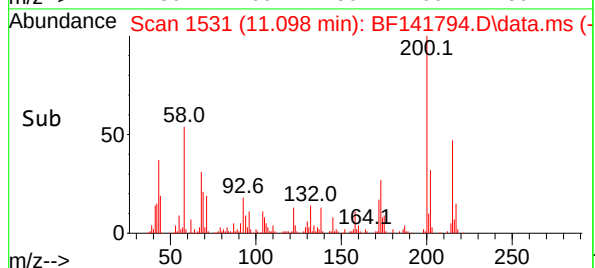
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

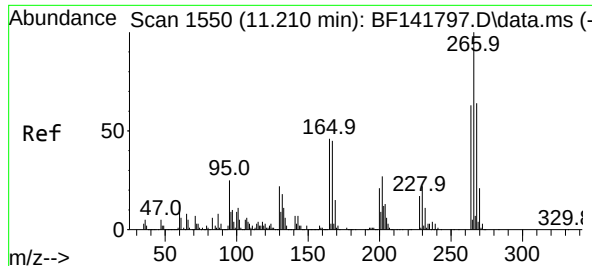


#69
Atrazine
Concen: 5.897 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46



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

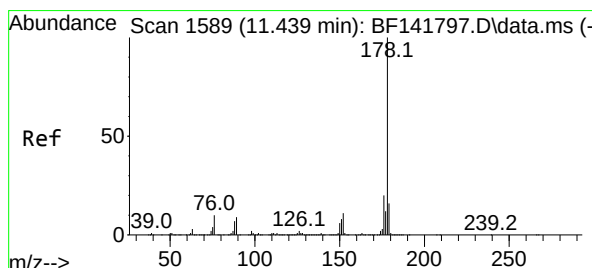
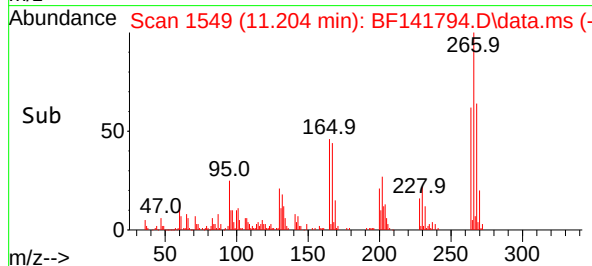
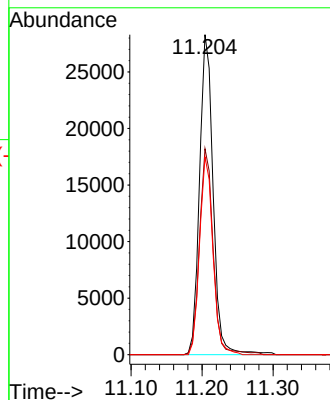
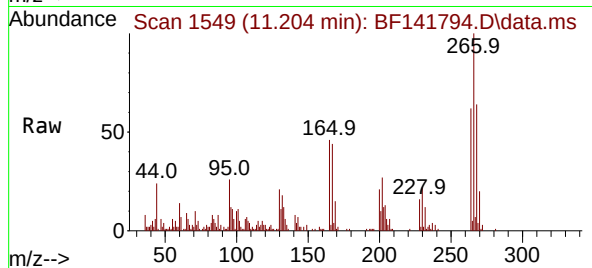
264 61.8 50.2 75.4

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

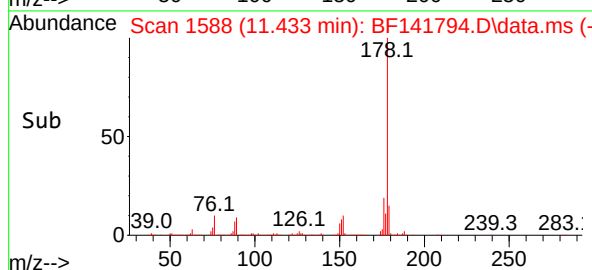
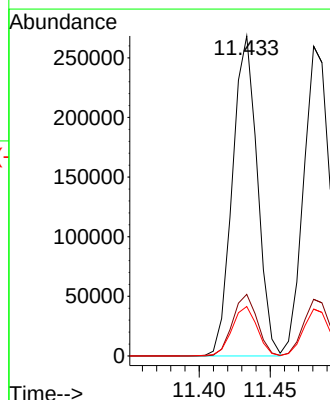
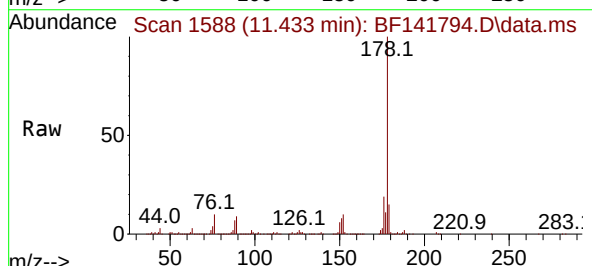
Tgt Ion:178 Resp: 326529

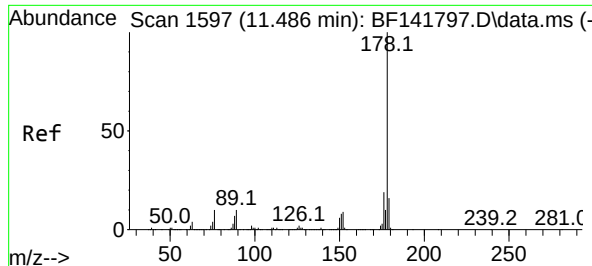
Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

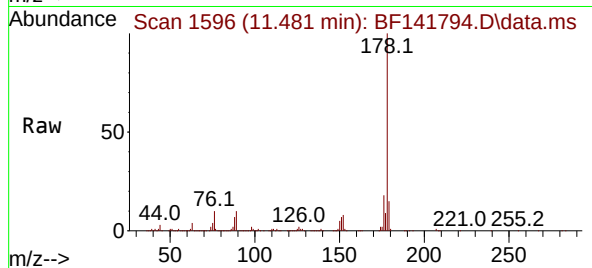
179 15.5 12.6 19.0





#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

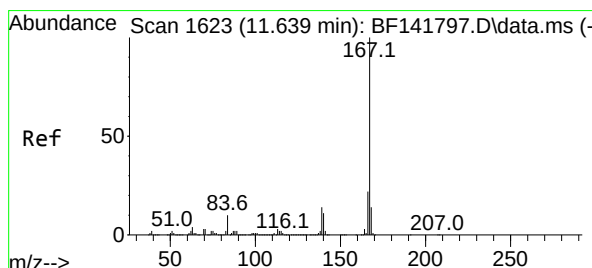
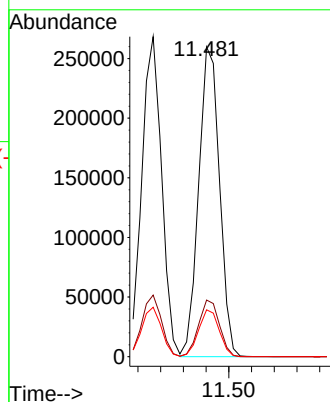
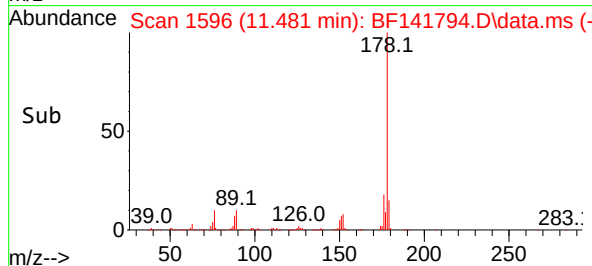
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

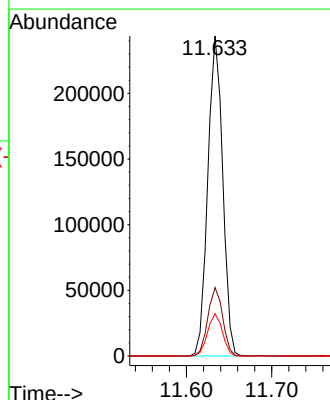
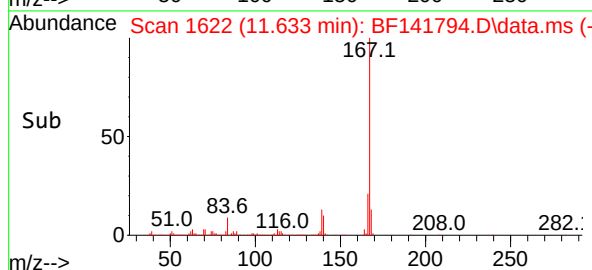
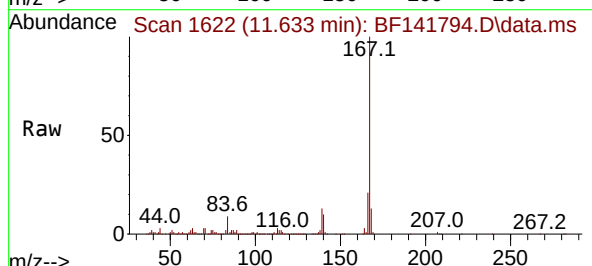
Manual Integrations
APPROVED

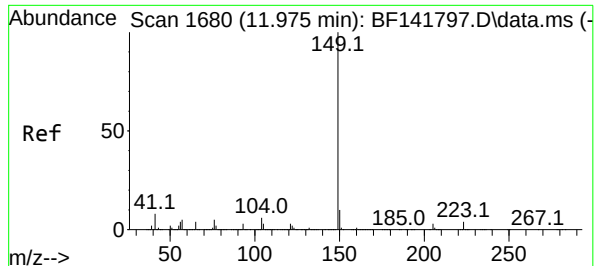
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

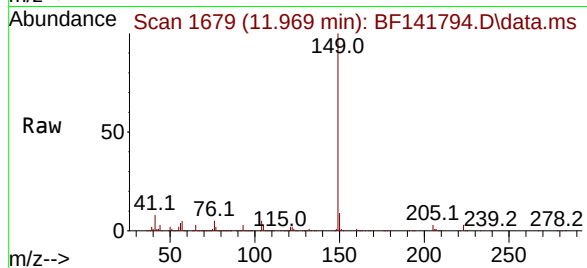
Tgt Ion:167 Resp: 295693
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.2 11.3 16.9





#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

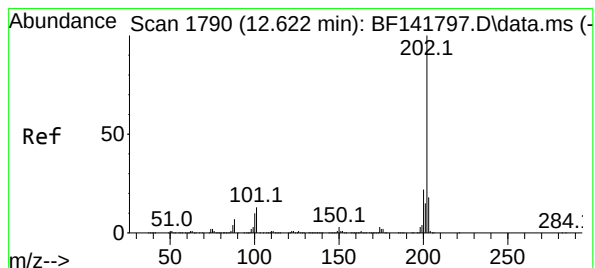
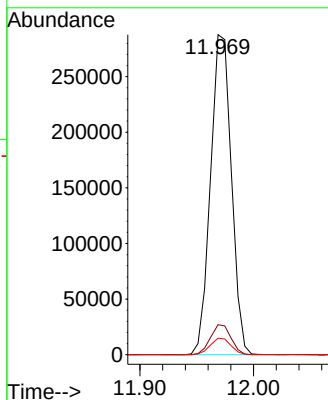
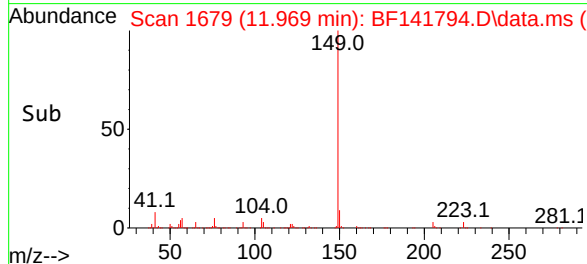
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

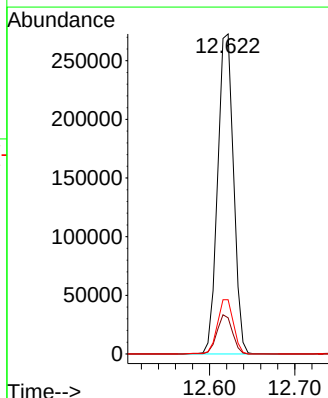
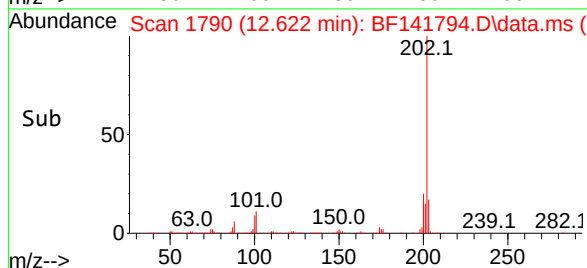
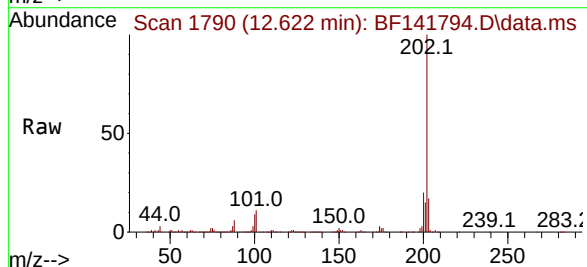
Manual Integrations
APPROVED

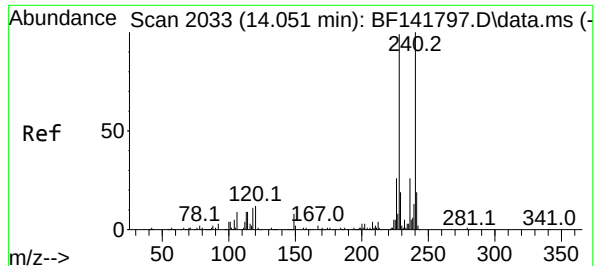
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

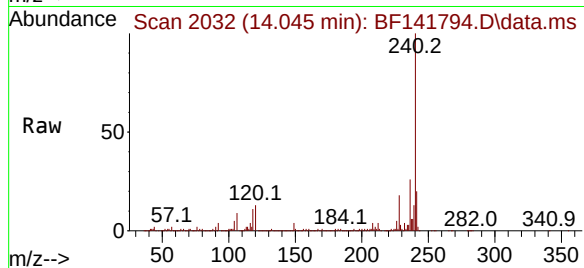
Tgt Ion:202 Resp: 353684
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.8
203 16.9 0.0 38.0





#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

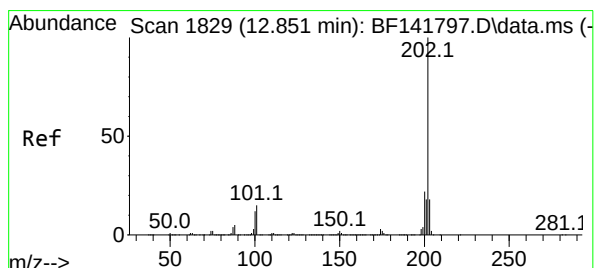
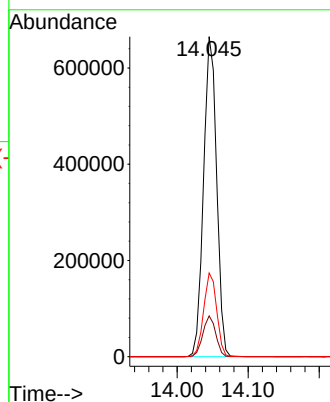
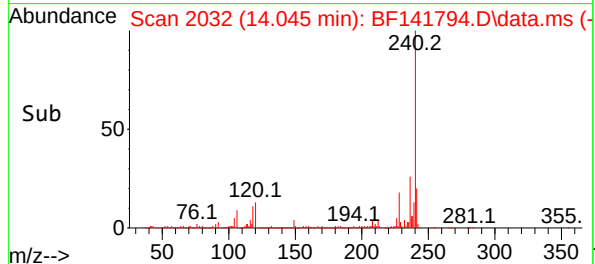
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

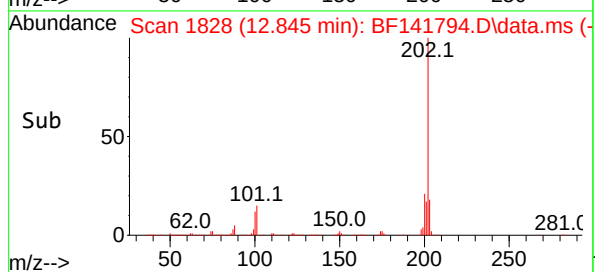
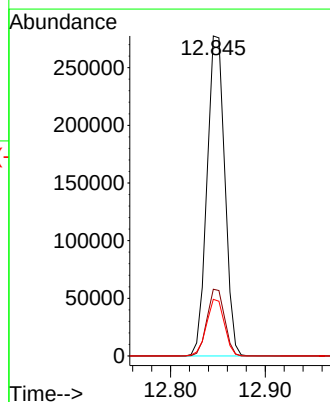
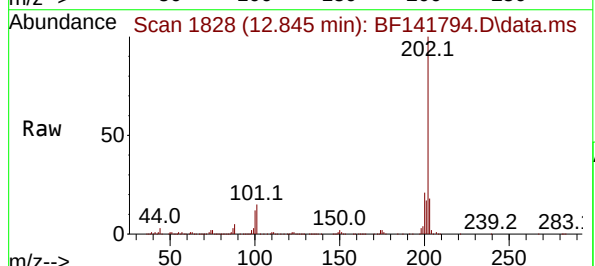
Manual Integrations
APPROVED

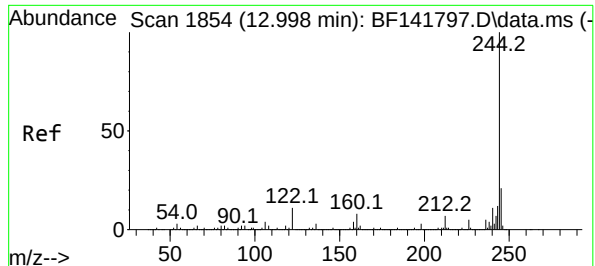
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

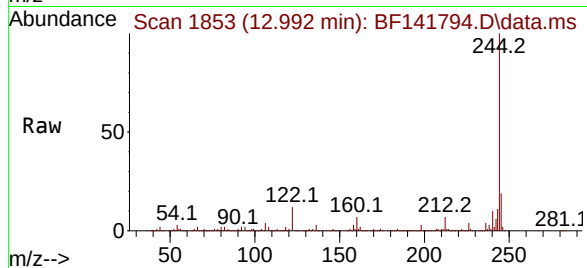
Tgt Ion:202 Resp: 361938
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.0
203 17.7 14.6 22.0





#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

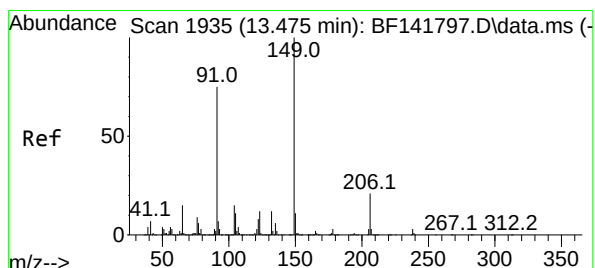
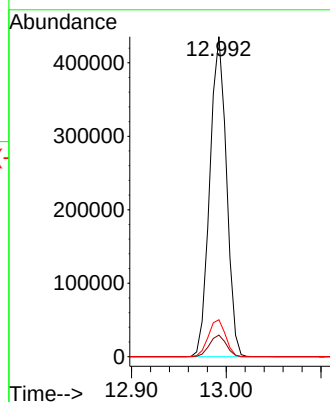
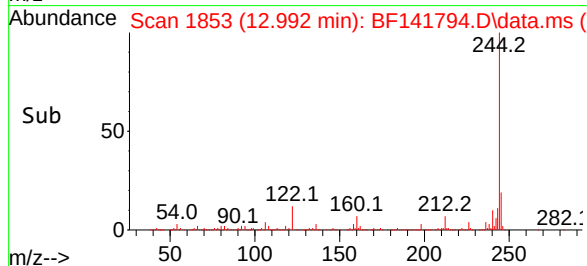
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

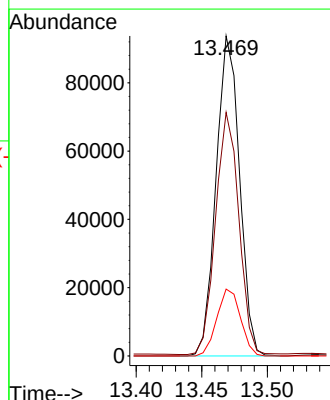
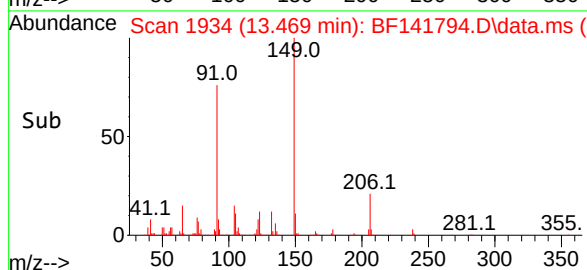
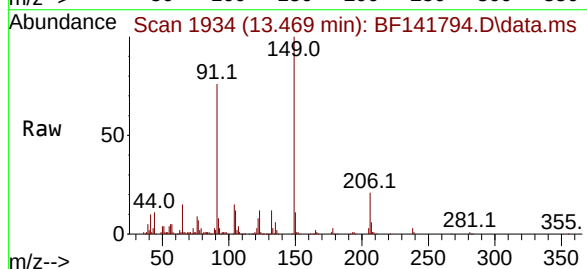
Manual Integrations
APPROVED

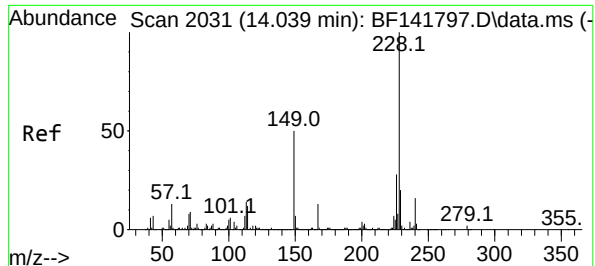
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

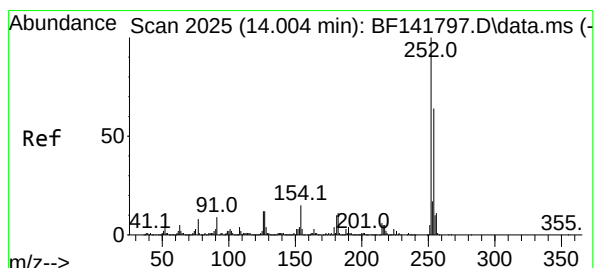
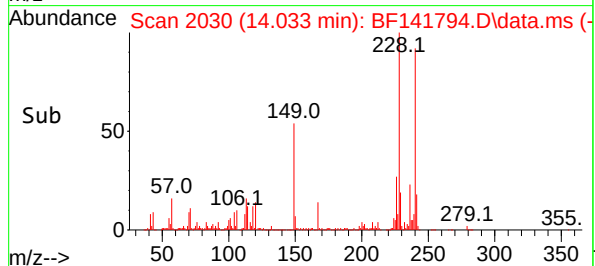
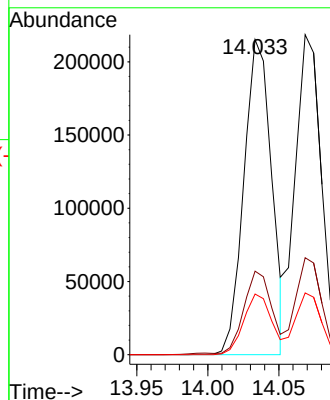
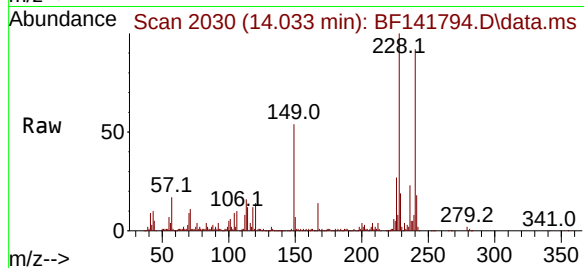
229 19.3 16.1 24.1

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

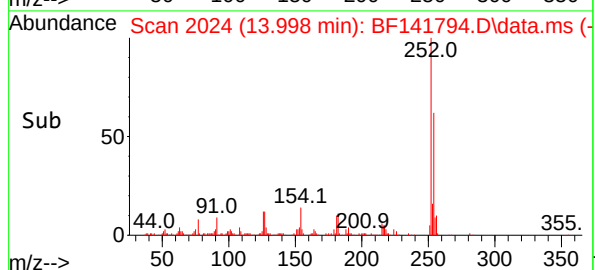
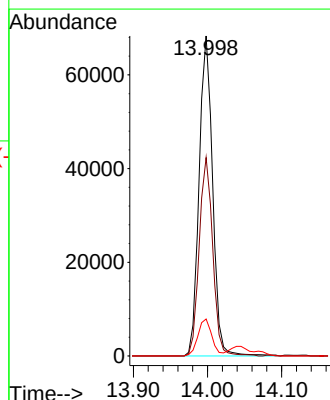
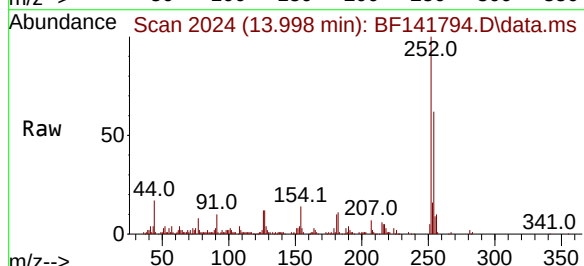
Tgt Ion:252 Resp: 86483

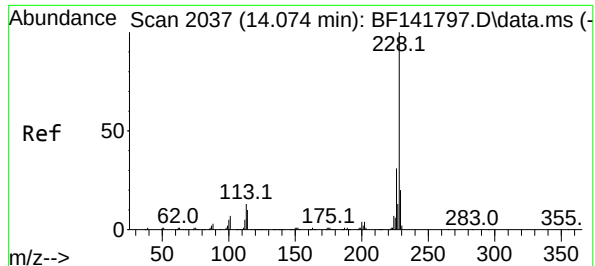
Ion Ratio Lower Upper

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

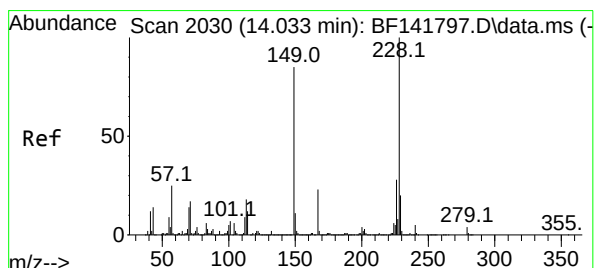
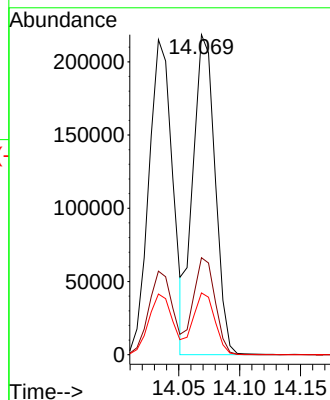
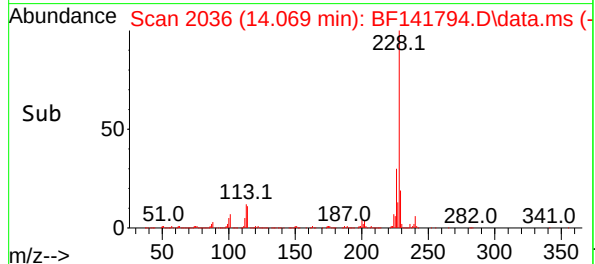
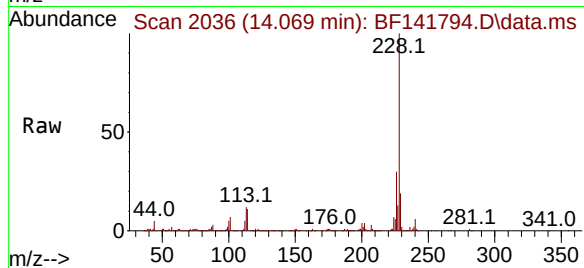
ClientSampleId :

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

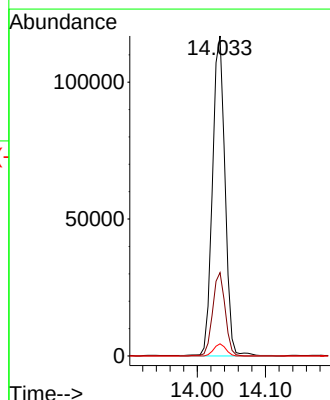
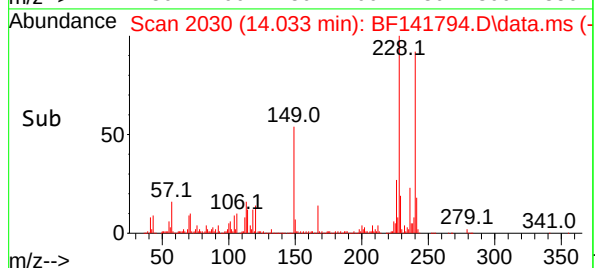
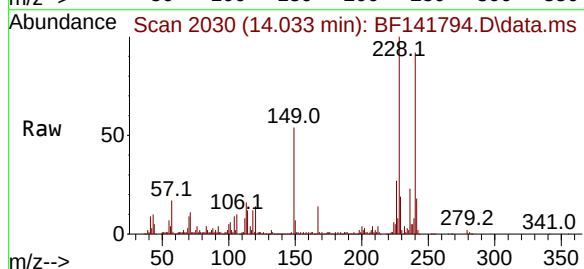
Manual Integrations
APPROVED

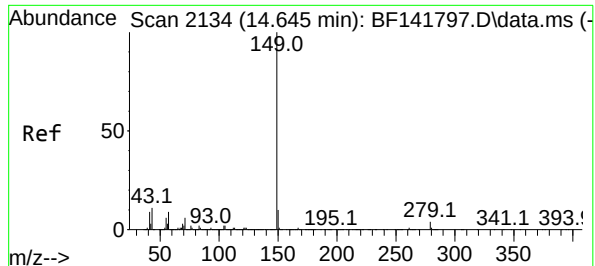
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

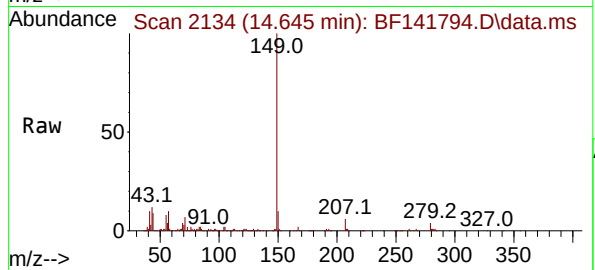
Tgt Ion:149 Resp: 149689
Ion Ratio Lower Upper
149 100
167 26.1 21.2 31.8
279 3.8 3.3 4.9





#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

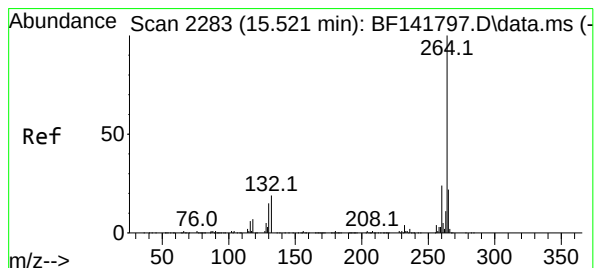
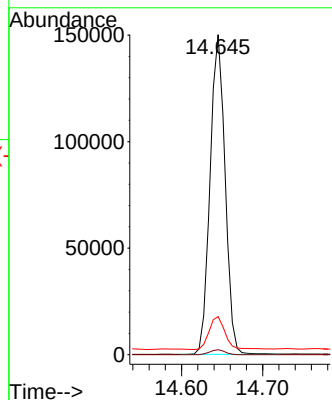
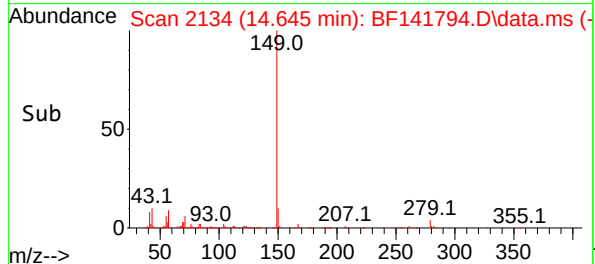
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

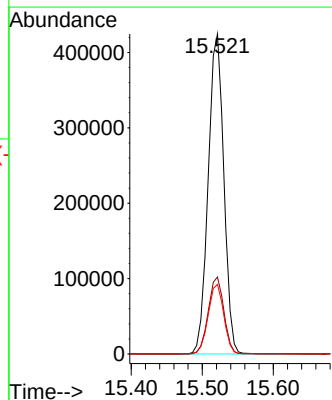
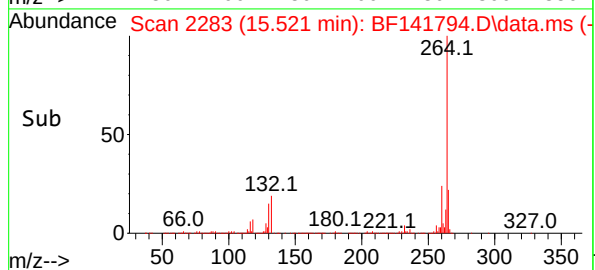
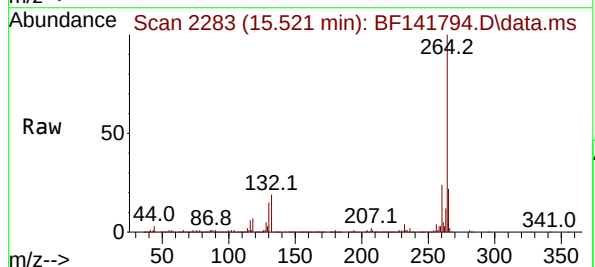
Manual Integrations
APPROVED

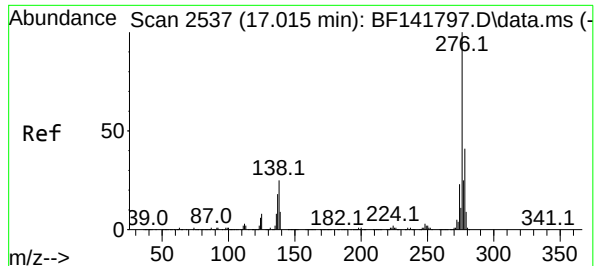
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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





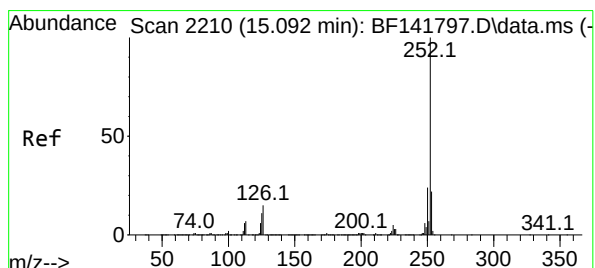
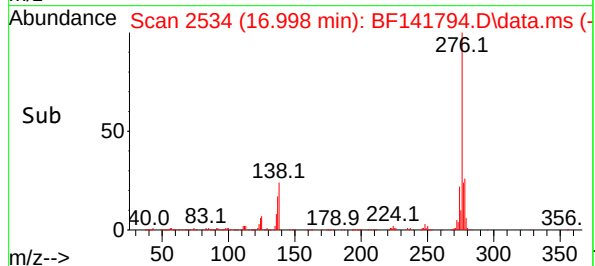
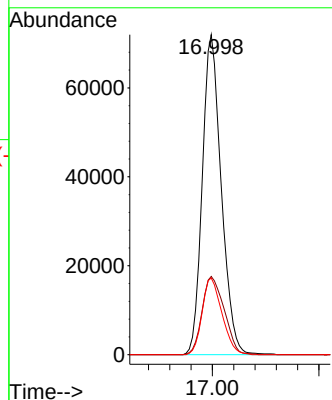
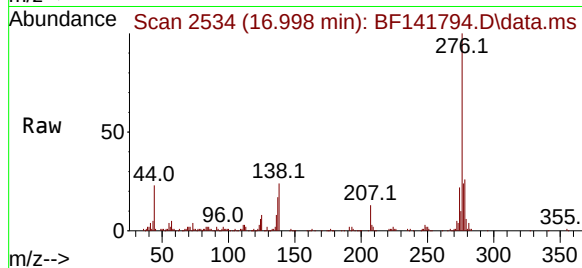
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.309 ng
RT: 16.998 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

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

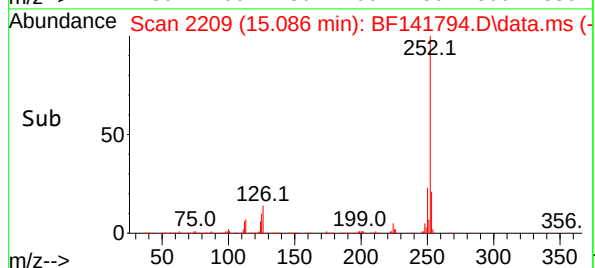
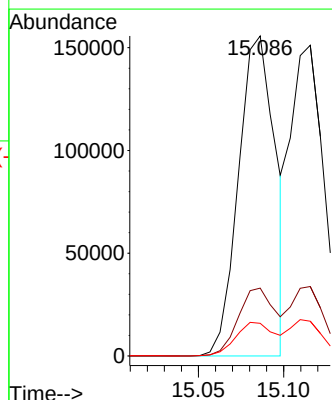
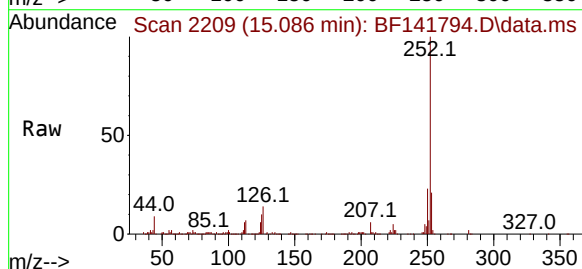
Manual Integrations
APPROVED

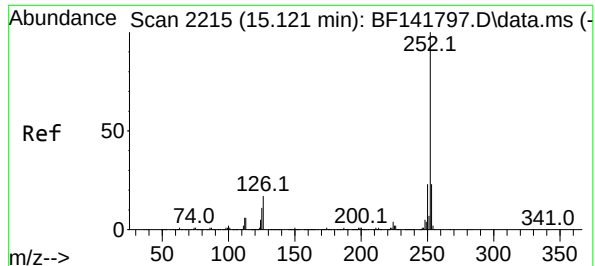
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

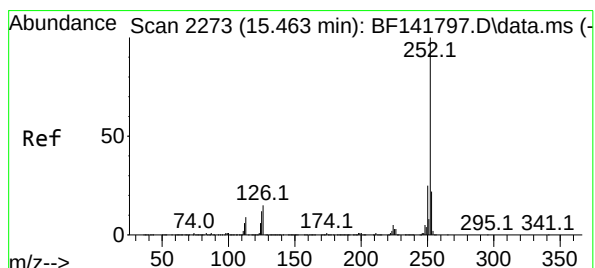
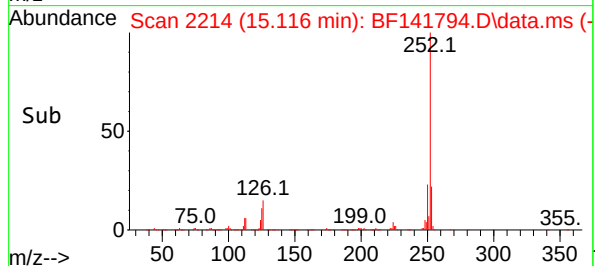
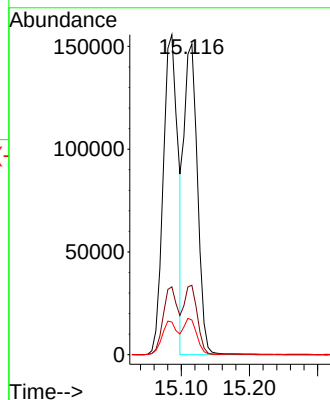
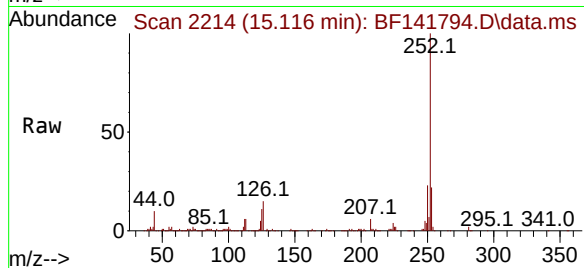
125 11.2 8.8 13.2

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

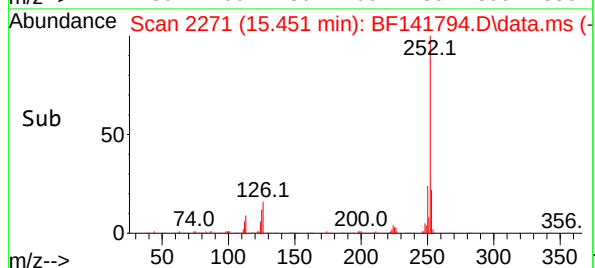
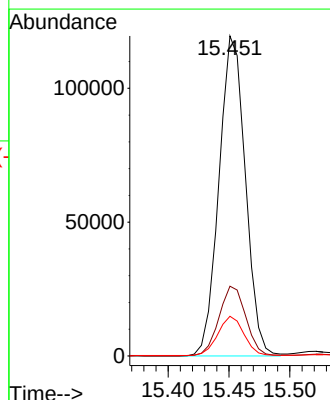
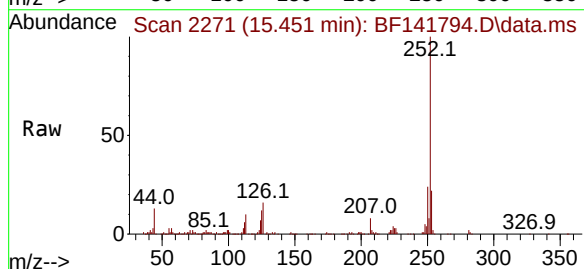
Tgt Ion:252 Resp: 180486

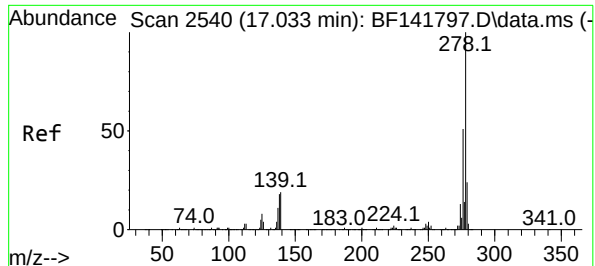
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

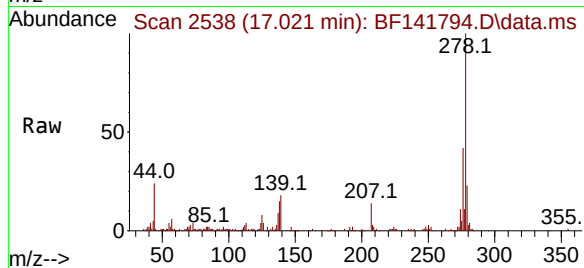
125 12.4 9.4 14.2





#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

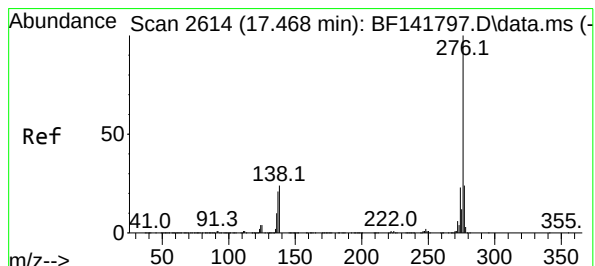
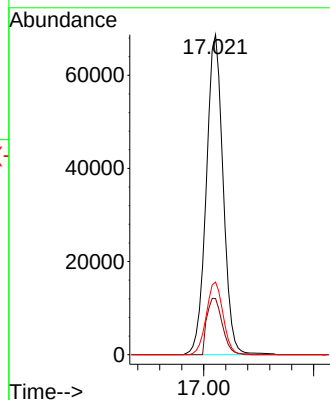
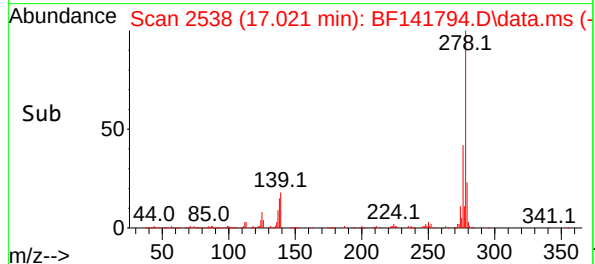
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

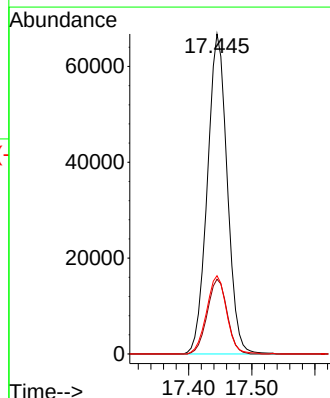
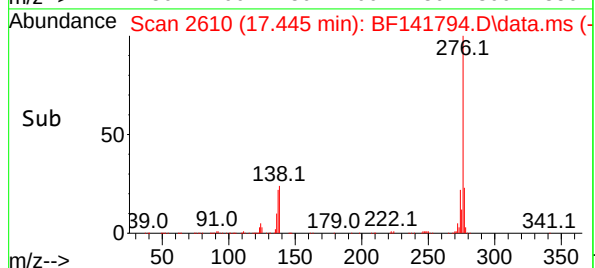
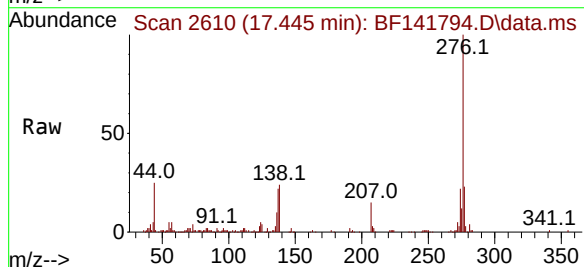
Manual Integrations
APPROVED

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

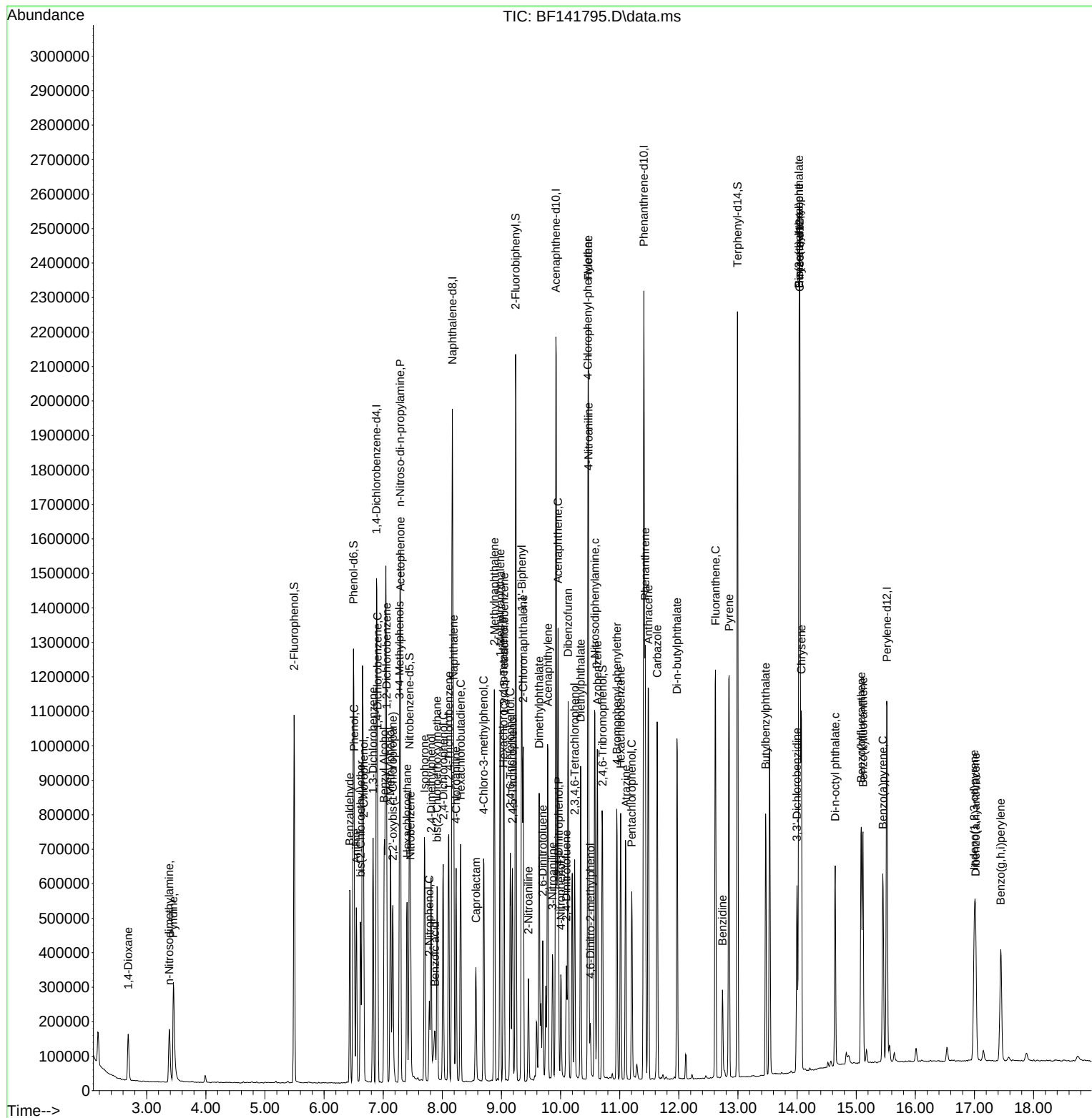
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	118017	9.860	ng	99
46) 1,1'-Biphenyl	9.345	154	537368	10.896	ng	98
47) 2-Chloronaphthalene	9.369	162	383444	10.535	ng	98
48) 2-Nitroaniline	9.457	65	60658	9.877	ng	96
49) Acenaphthylene	9.786	152	586066	10.739	ng	99
50) 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

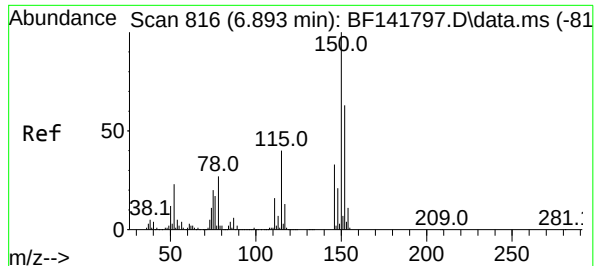
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

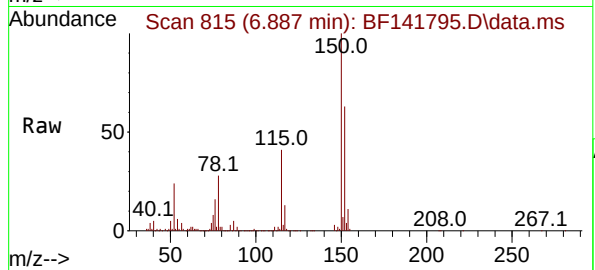
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025





#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

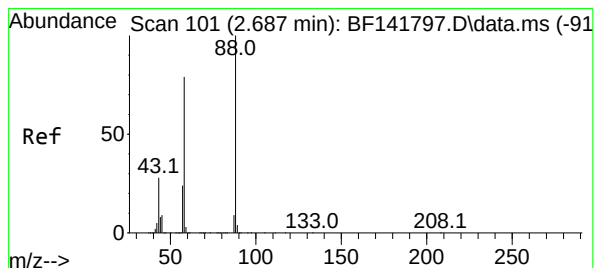
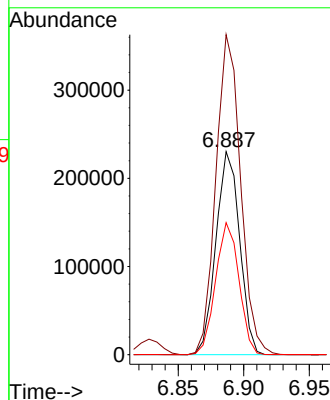
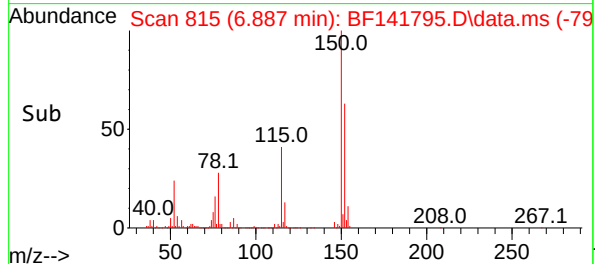
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

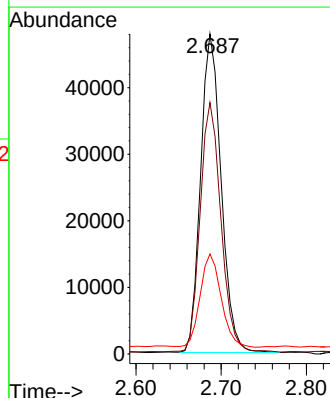
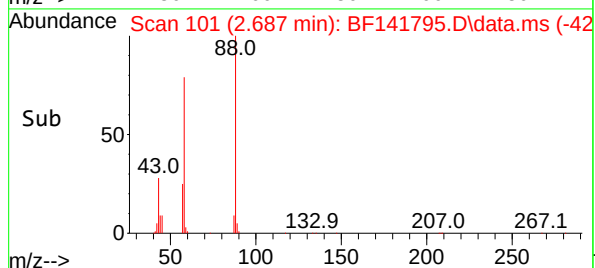
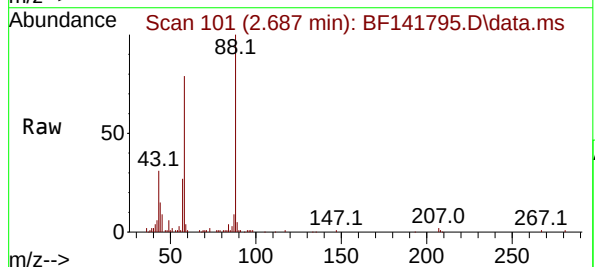
Manual Integrations
APPROVED

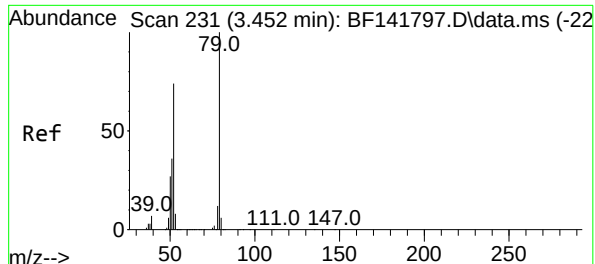
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

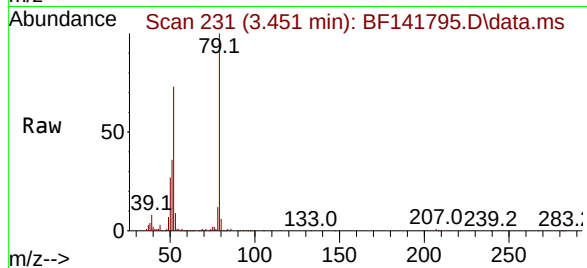
Tgt Ion: 88 Resp: 80189
Ion Ratio Lower Upper
88 100
58 79.3 63.9 95.9
43 30.0 23.0 34.6





#3
Pyridine
Concen: 9.989 ng
RT: 3.451 min Scan# 219
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

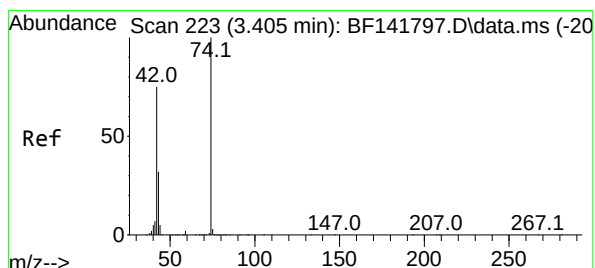
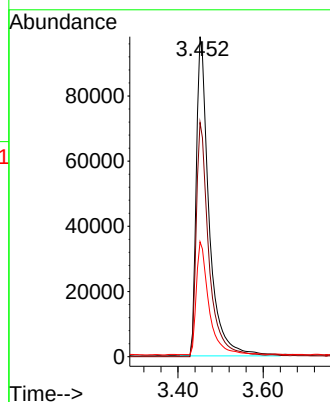
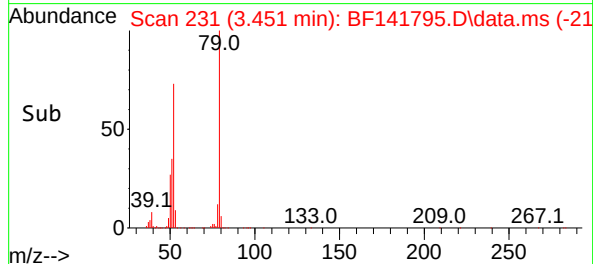
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



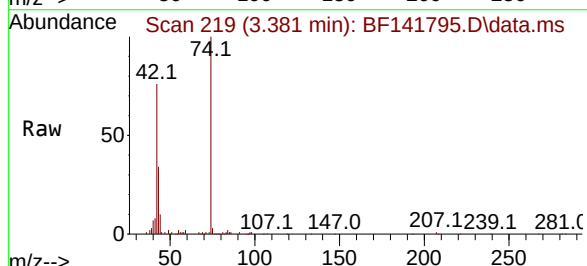
Tgt Ion: 79 Resp: 204270
Ion Ratio Lower Upper
79 100
52 73.2 59.0 88.4
51 35.9 29.0 43.4

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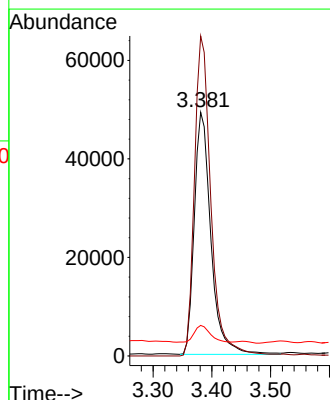
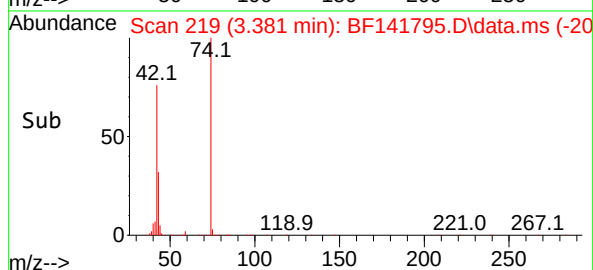
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

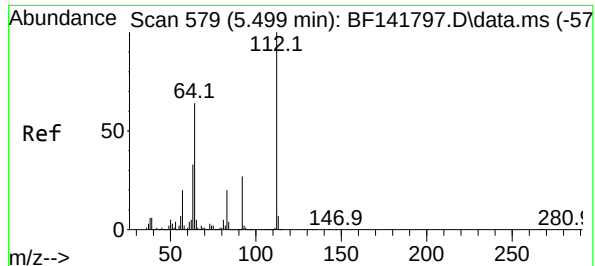


#4
n-Nitrosodimethylamine
Concen: 9.784 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16



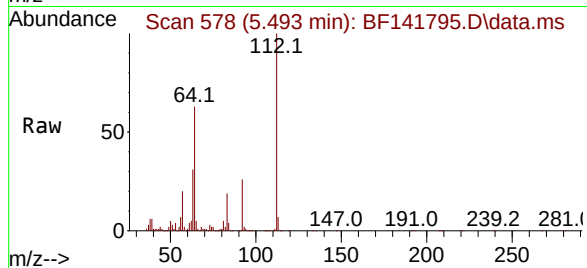
Tgt Ion: 42 Resp: 96264
Ion Ratio Lower Upper
42 100
74 131.3 107.1 160.7
44 12.5 6.6 9.8





#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

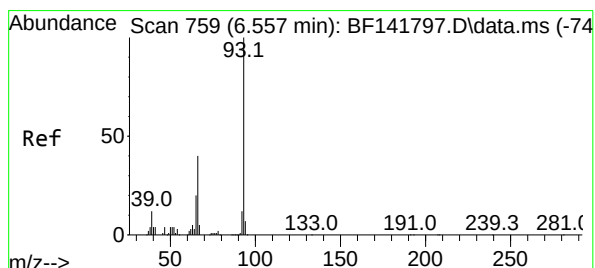
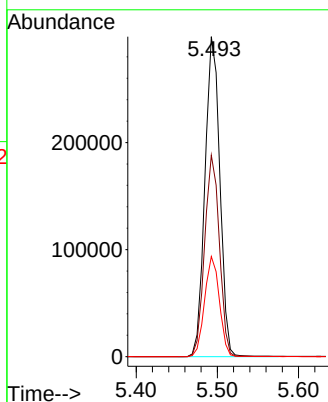
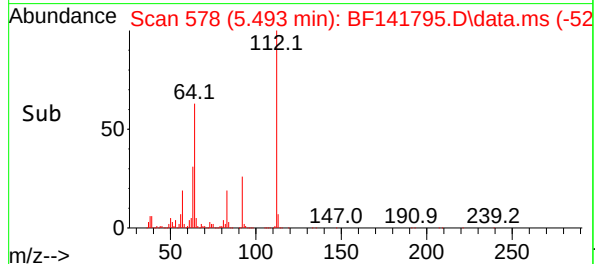
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

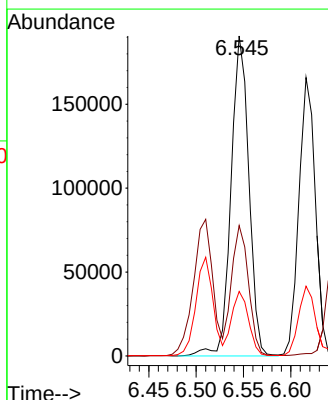
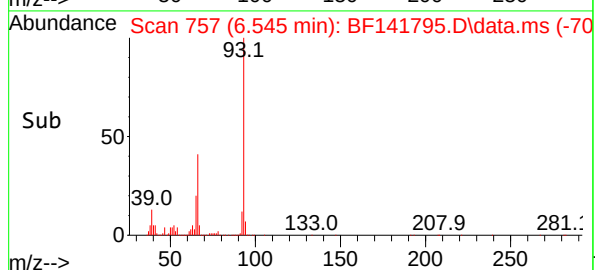
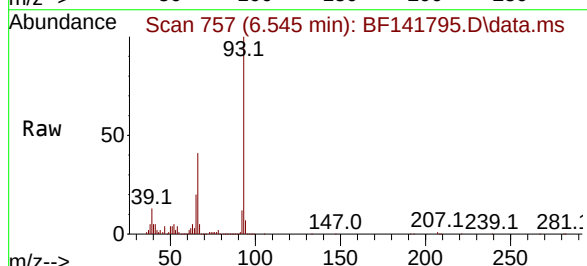
Manual Integrations
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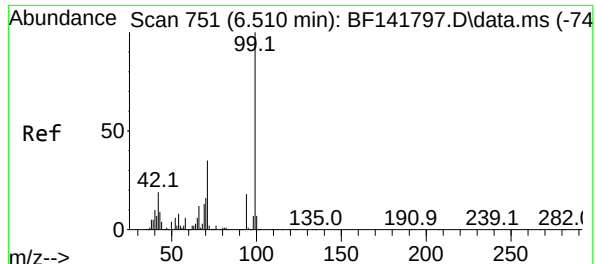
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

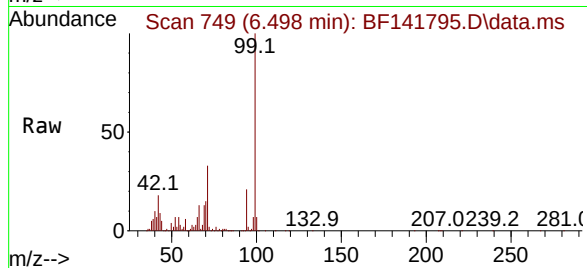
Tgt Ion: 93 Resp: 249709
Ion Ratio Lower Upper
93 100
66 40.8 32.3 48.5
65 20.2 15.9 23.9





#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

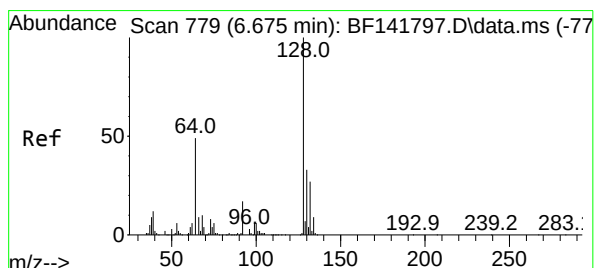
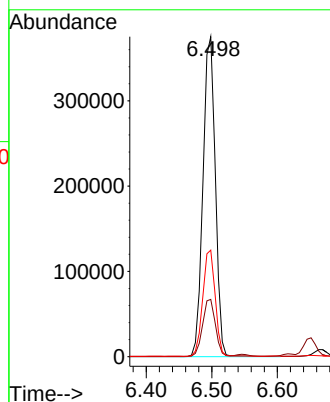
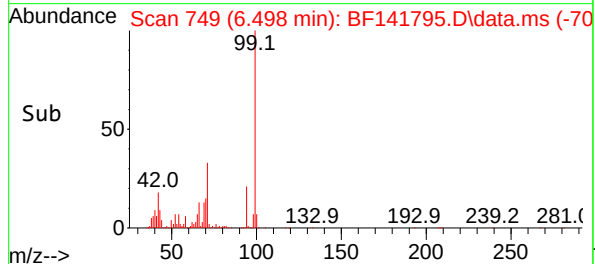
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



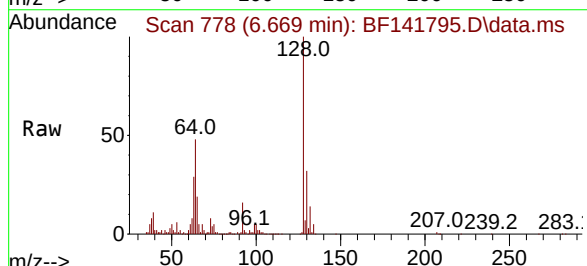
Tgt Ion: 99 Resp: 49373
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 33.3 28.2 42.2

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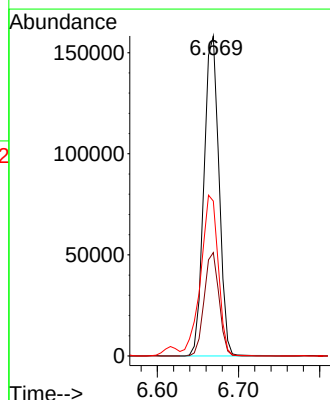
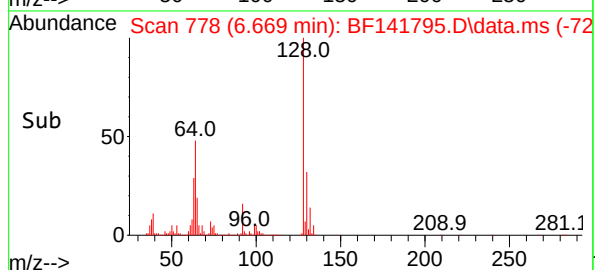
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

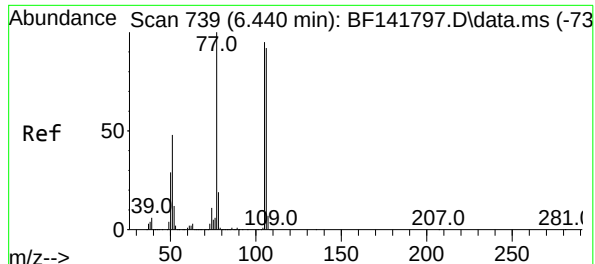


#8
2-Chlorophenol
Concen: 10.375 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16



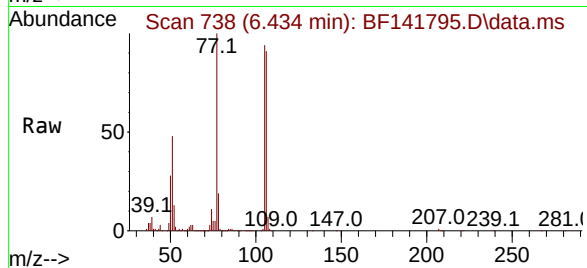
Tgt Ion:128 Resp: 203282
Ion Ratio Lower Upper
128 100
130 32.3 12.6 52.6
64 48.4 31.1 71.1





#9
Benzaldehyde
Concen: 11.474 ng
RT: 6.434 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

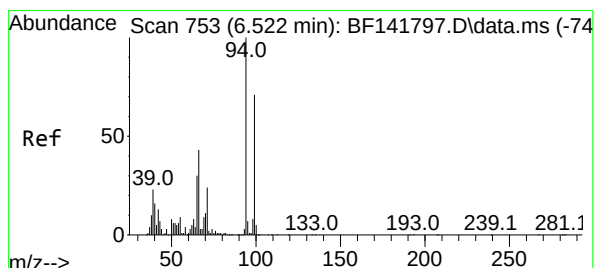
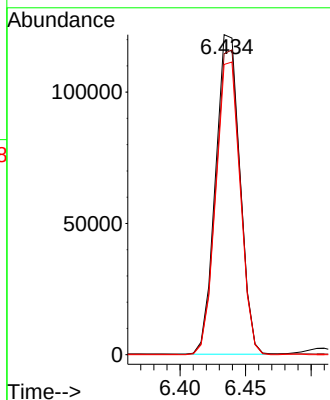
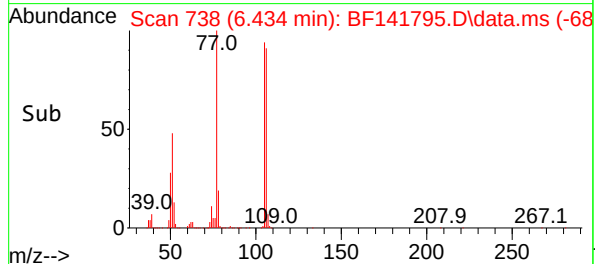
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

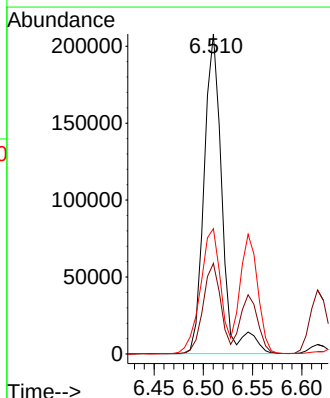
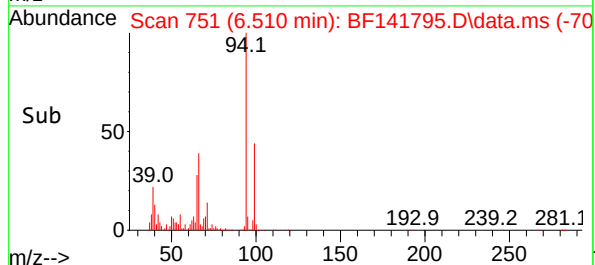
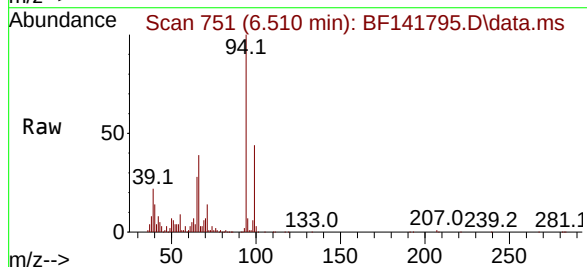
Manual Integrations
APPROVED

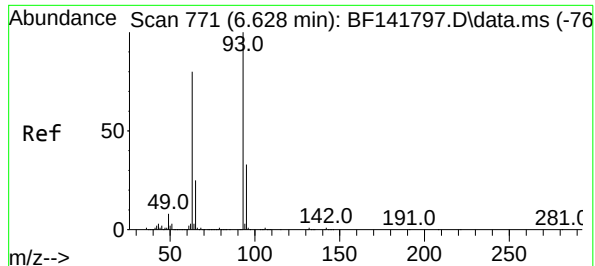
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

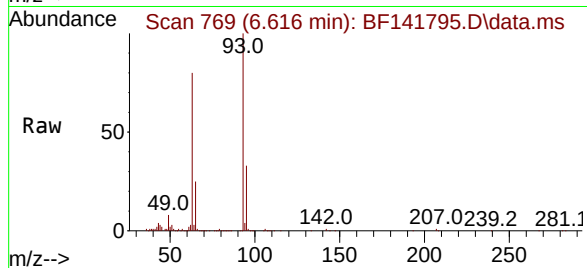
Tgt Ion: 94 Resp: 263599
Ion Ratio Lower Upper
94 100
65 28.3 10.2 50.2
66 39.2 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 10.362 ng
RT: 6.616 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

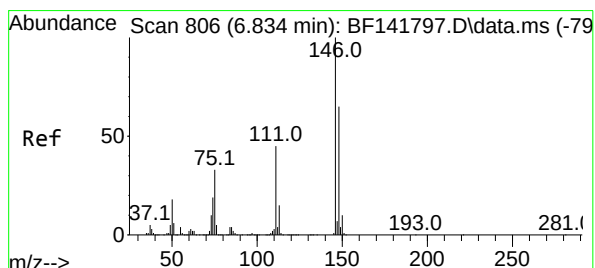
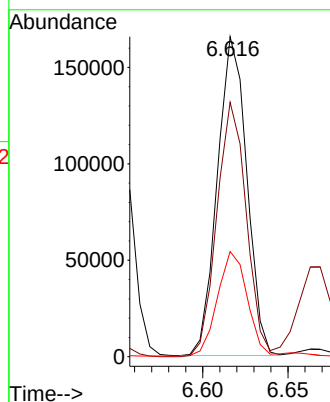
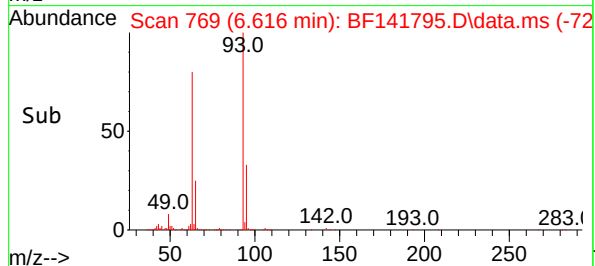
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

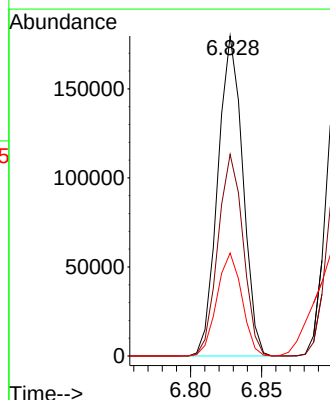
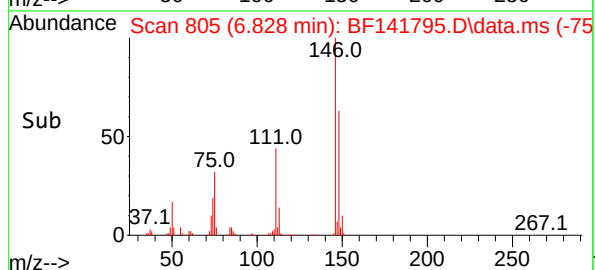
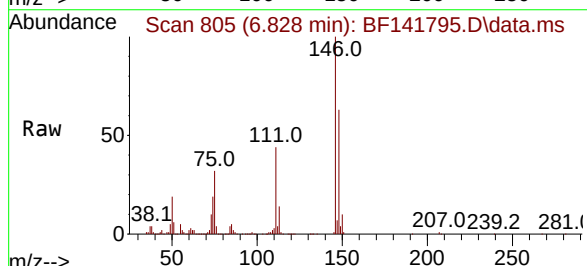
Manual Integrations
APPROVED

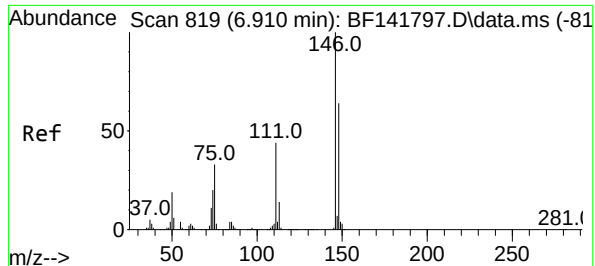
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

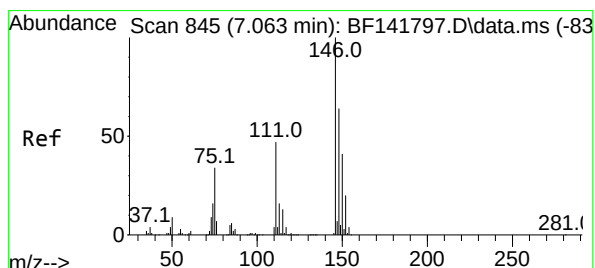
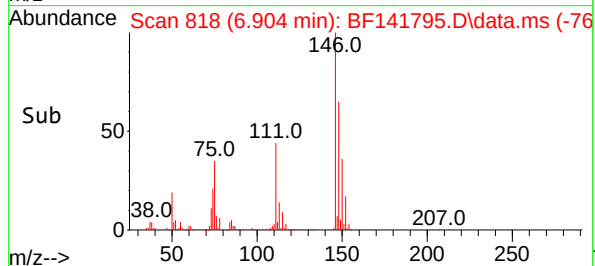
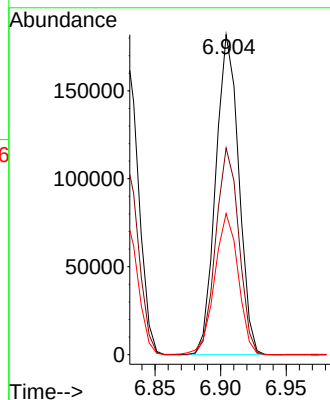
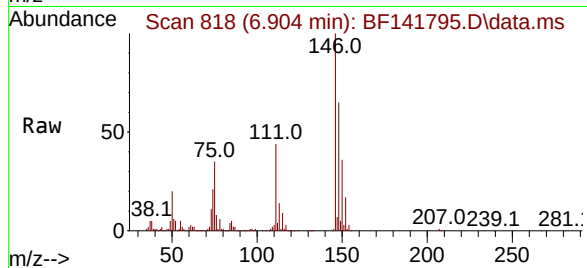
111 44.1 35.5 53.3

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

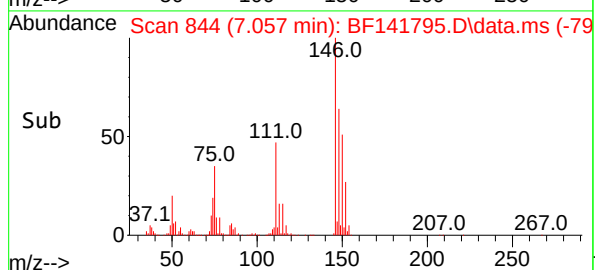
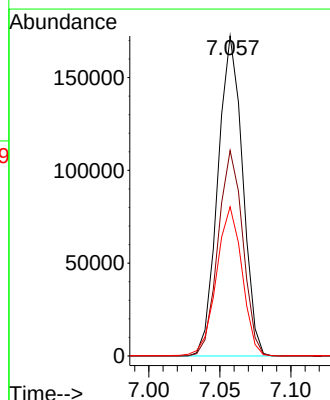
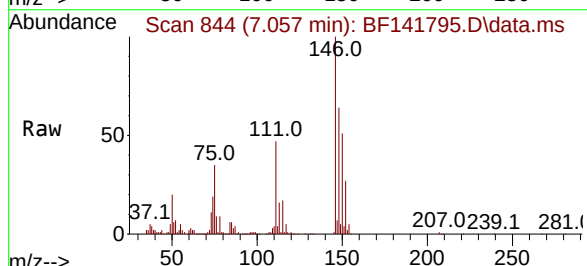
Tgt Ion:146 Resp: 208788

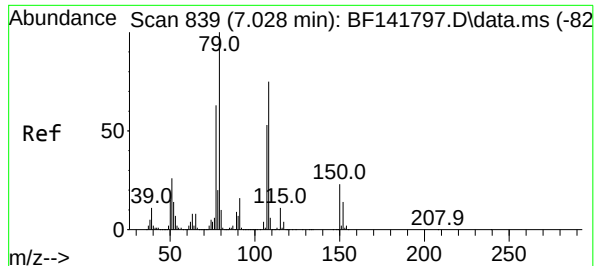
Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

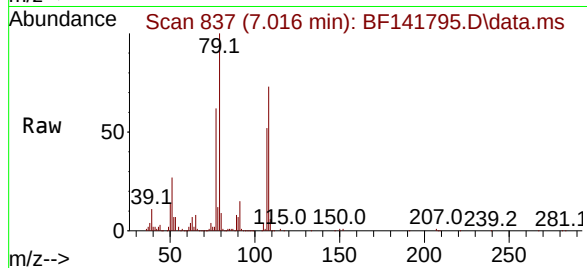
111 46.6 37.8 56.6





#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

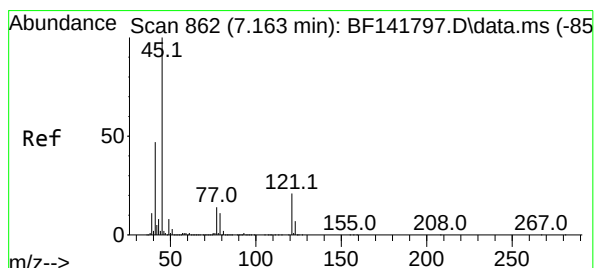
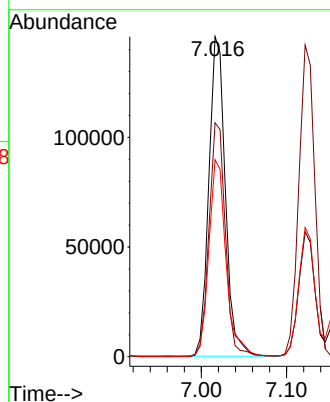
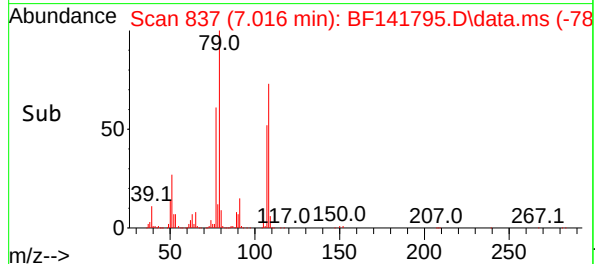
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

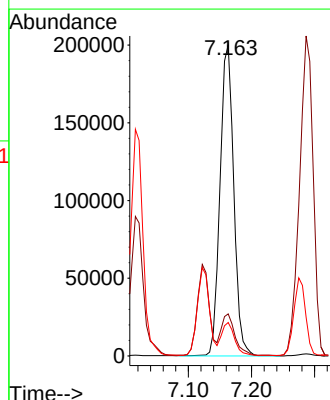
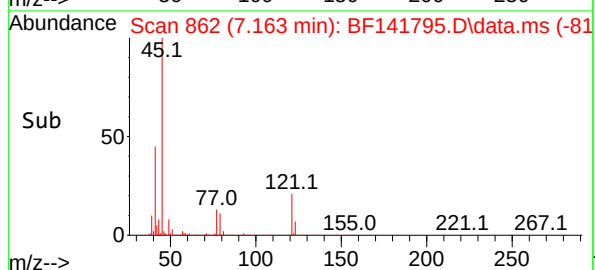
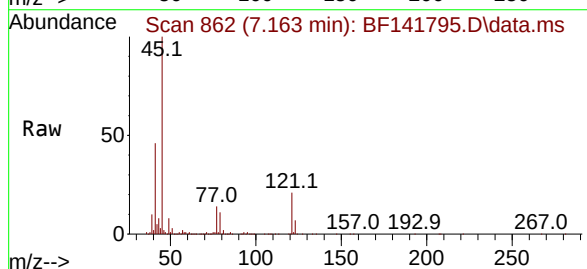
Manual Integrations
APPROVED

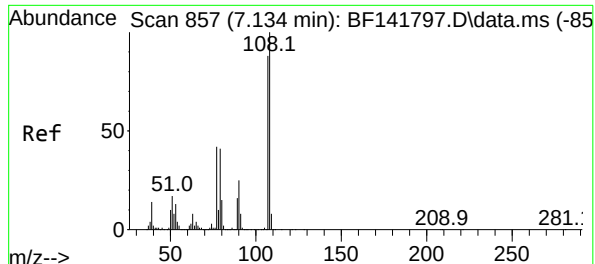
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

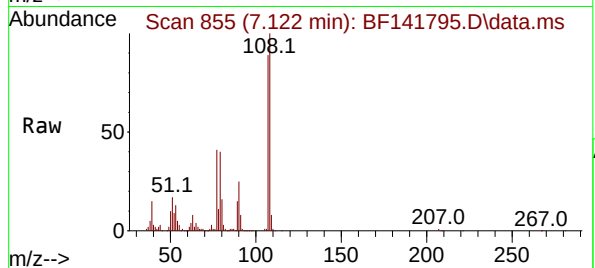
Tgt Ion: 45 Resp: 302932
Ion Ratio Lower Upper
45 100
77 13.6 0.0 34.4
79 10.7 0.0 30.9





#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

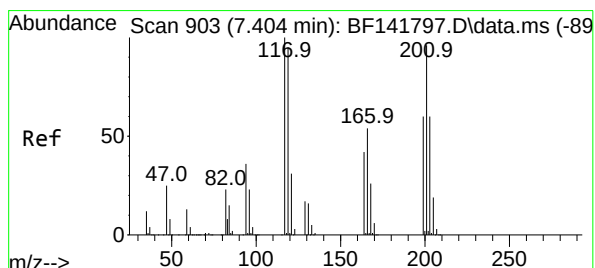
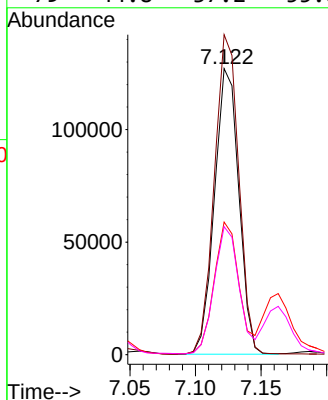
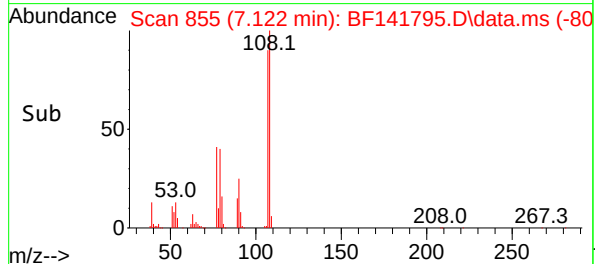
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

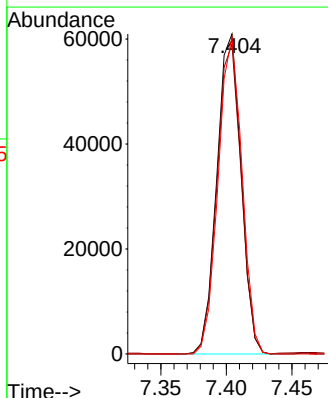
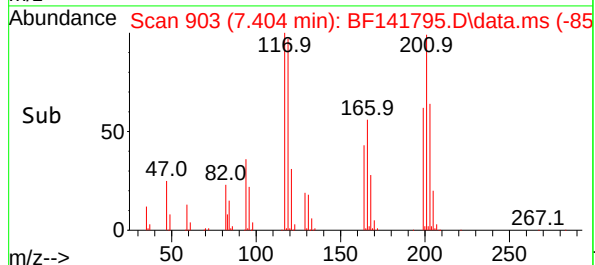
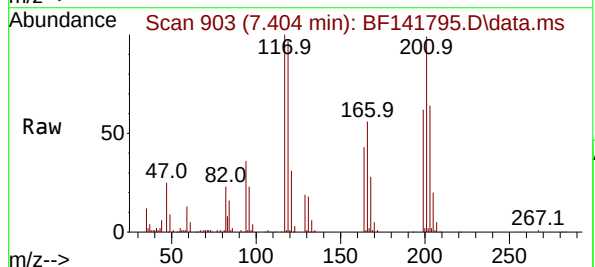
Manual Integrations
APPROVED

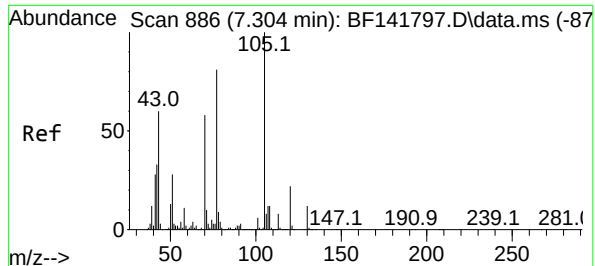
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

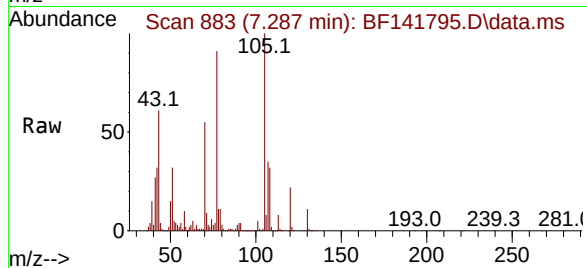
Acq: 27 Feb 2025 16:16

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

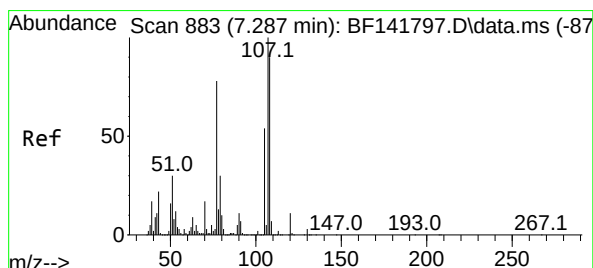
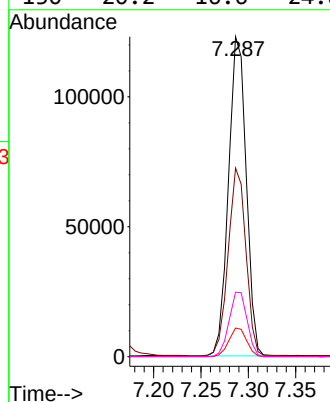
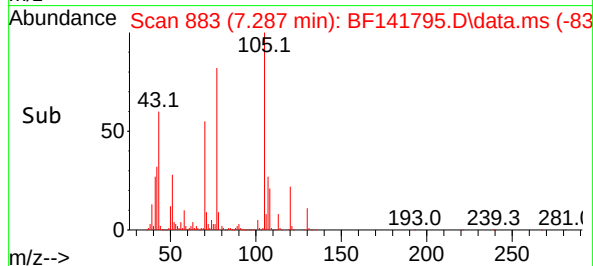
130 20.2 16.6 24.8

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#20

3+4-Methylphenols

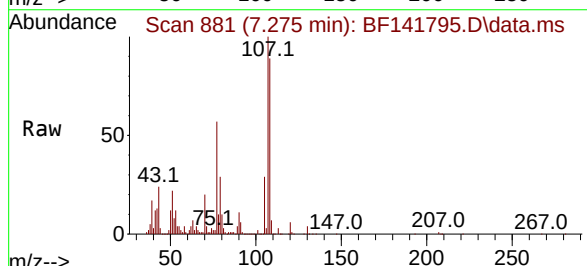
Concen: 10.842 ng

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

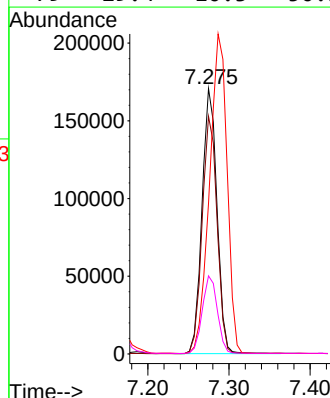
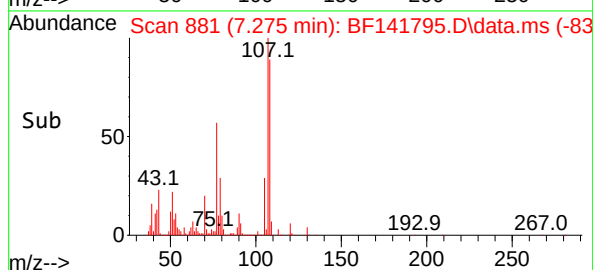
Ion Ratio Lower Upper

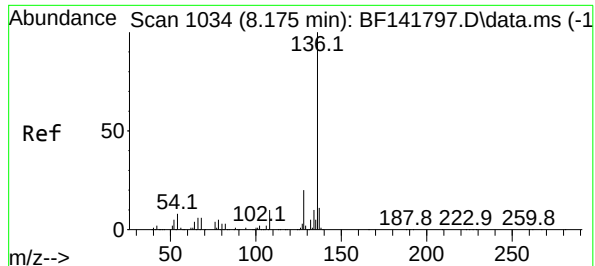
107 100

108 89.5 69.7 109.7

77 56.7 58.3 98.3#

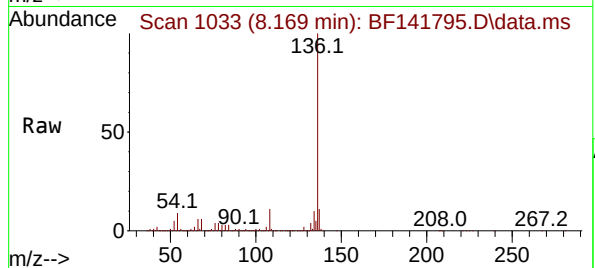
79 29.4 10.3 50.3





#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

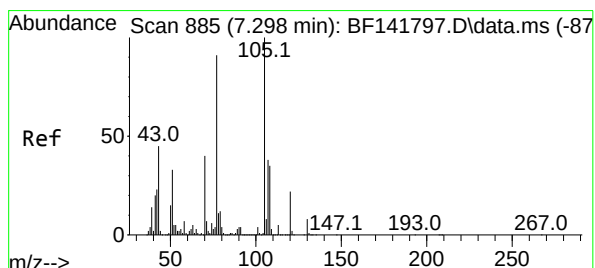
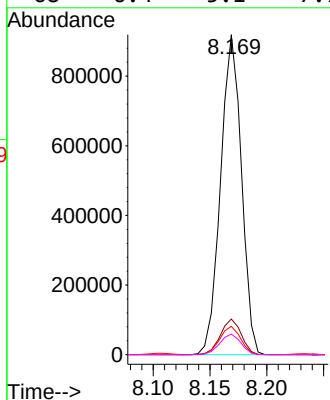
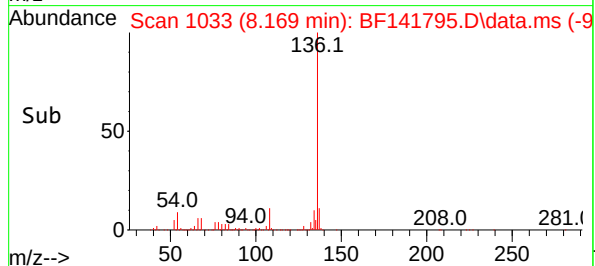
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

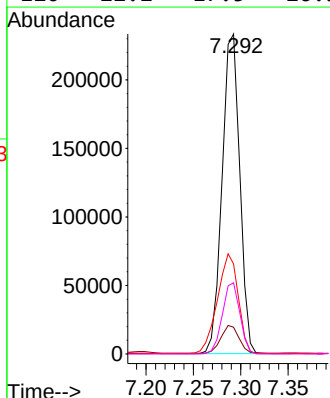
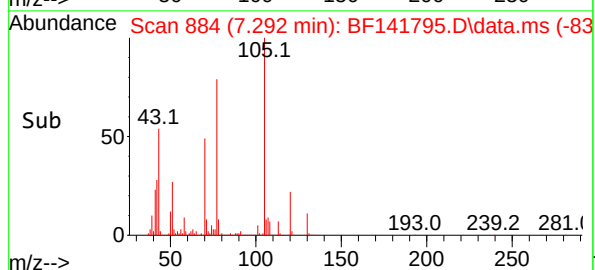
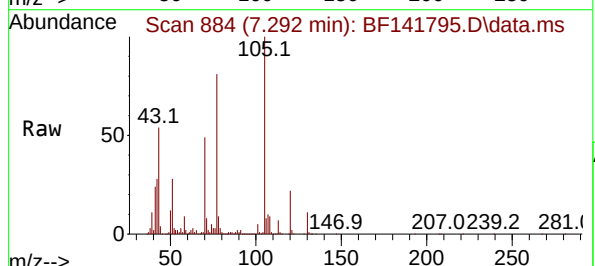
Manual Integrations
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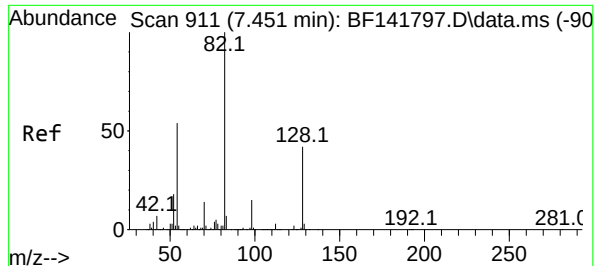
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

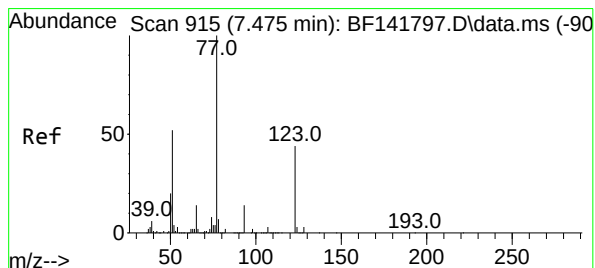
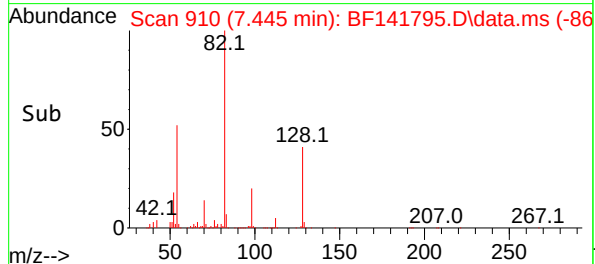
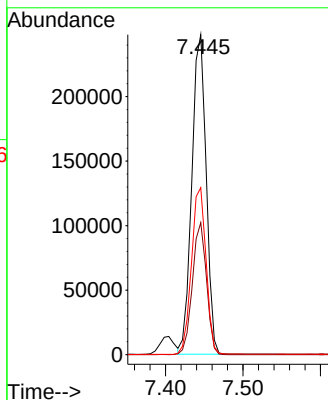
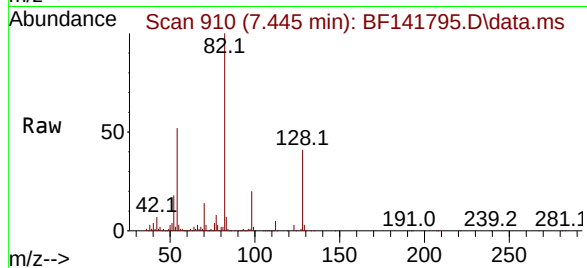
54 52.2 42.7 64.1

Manual Integrations

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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

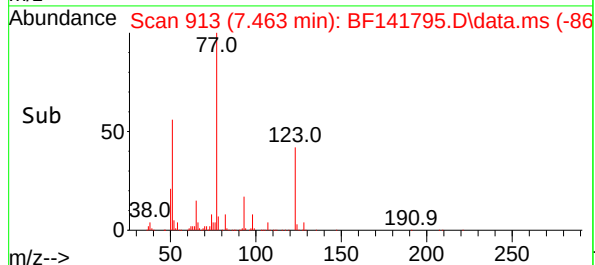
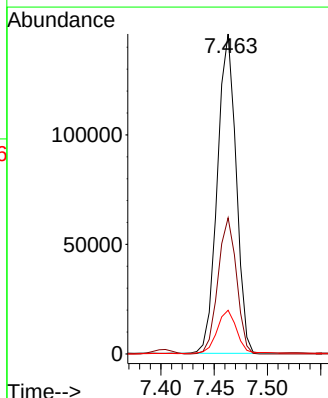
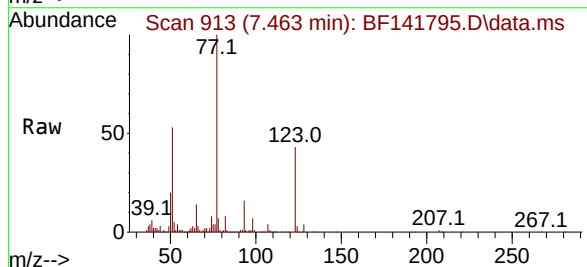
Tgt Ion: 77 Resp: 178109

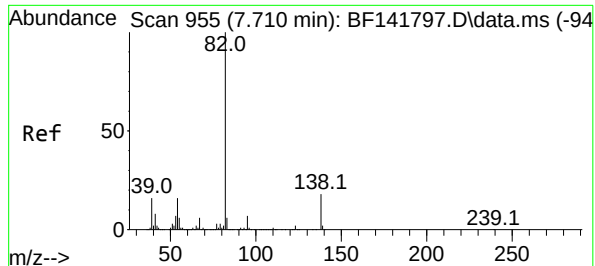
Ion Ratio Lower Upper

77 100

123 42.6 35.8 53.8

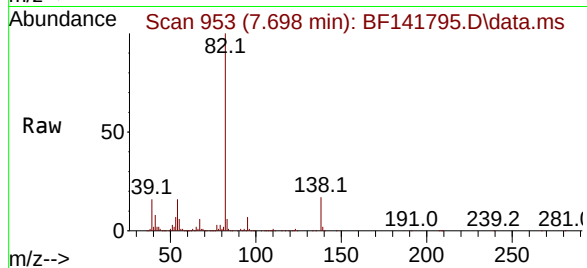
65 13.7 11.2 16.8





#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

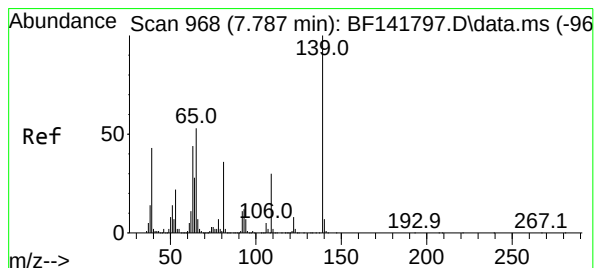
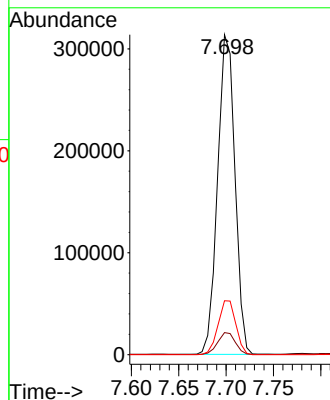
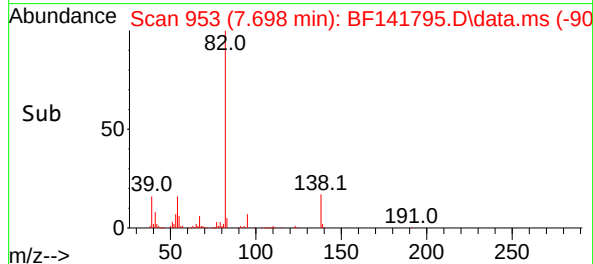
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

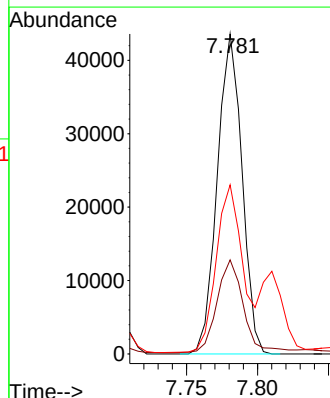
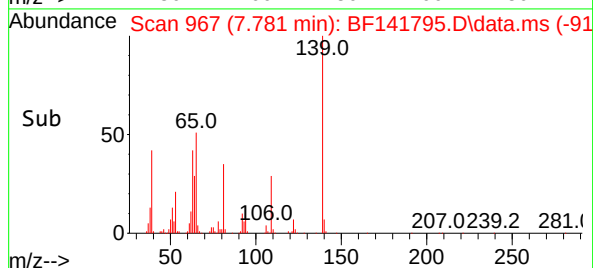
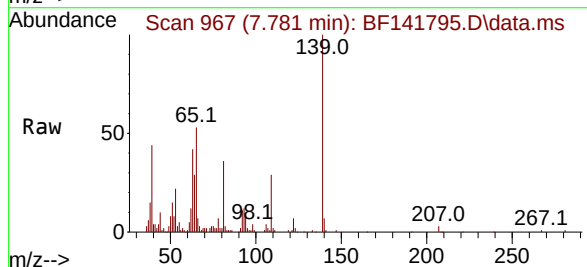
Manual Integrations
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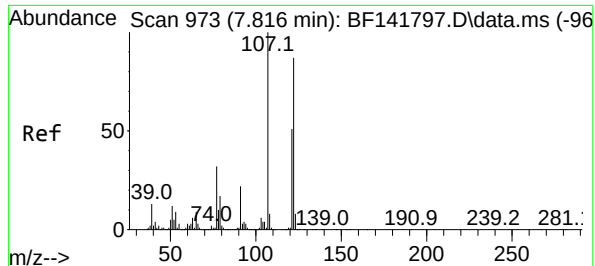
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

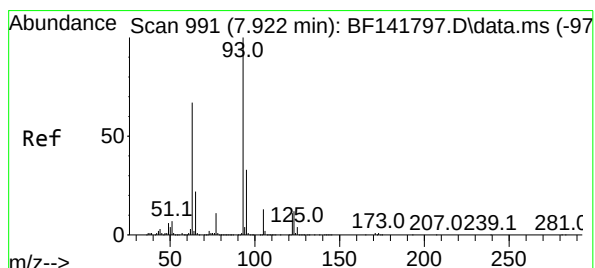
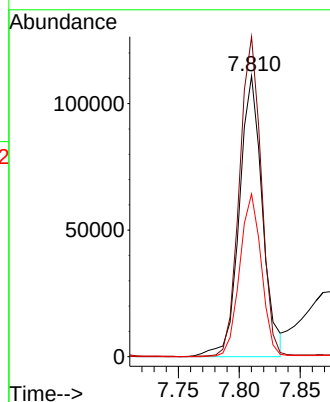
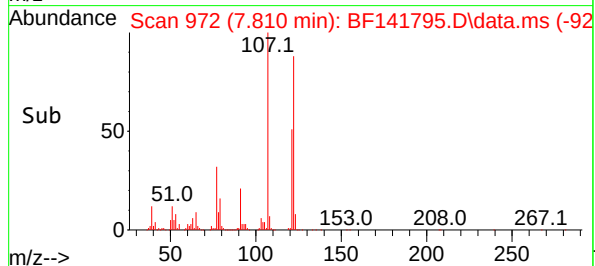
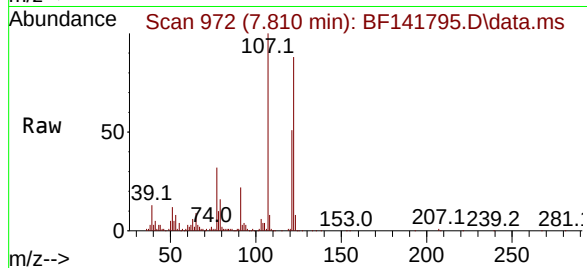
121 57.9 47.1 70.7

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

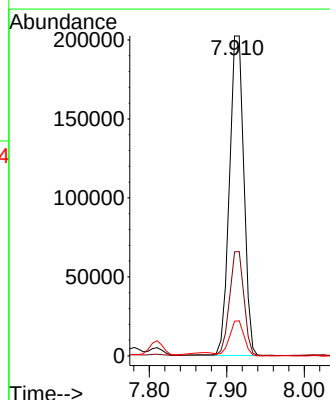
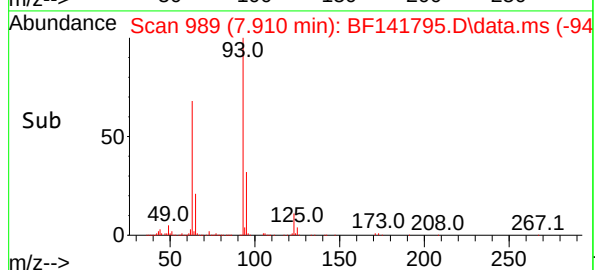
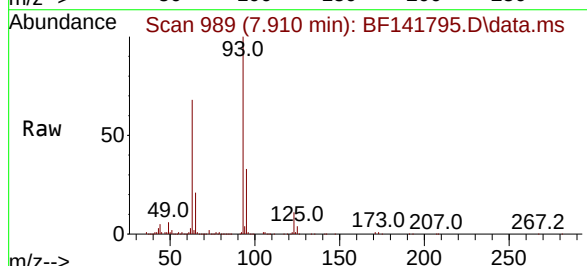
Tgt Ion: 93 Resp: 262861

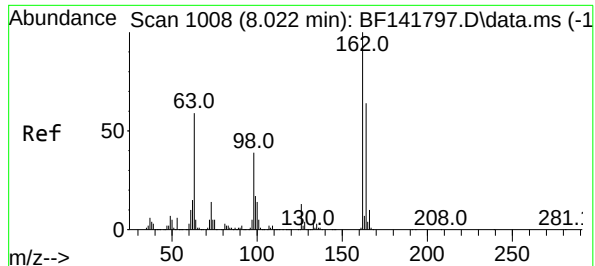
Ion Ratio Lower Upper

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

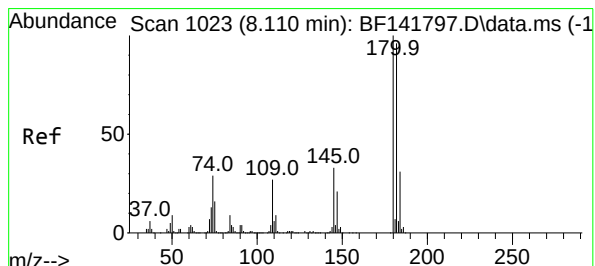
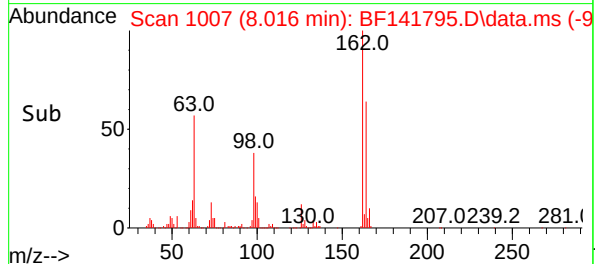
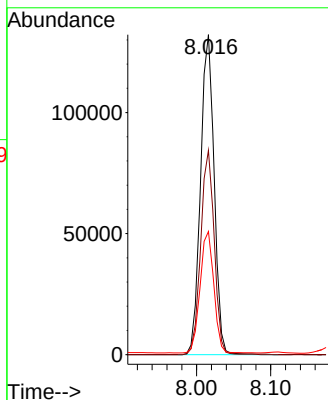
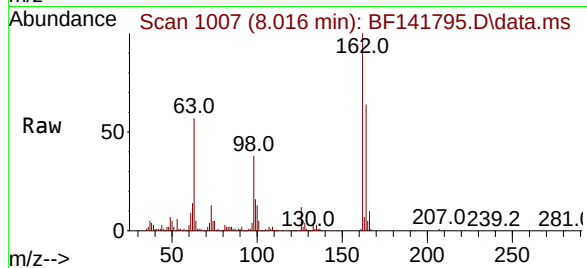
98 38.5 19.6 59.6

Manual Integrations

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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

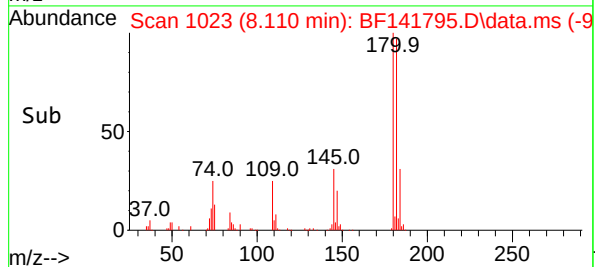
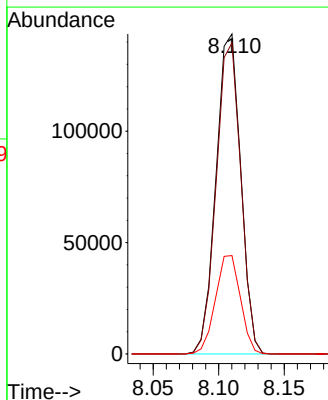
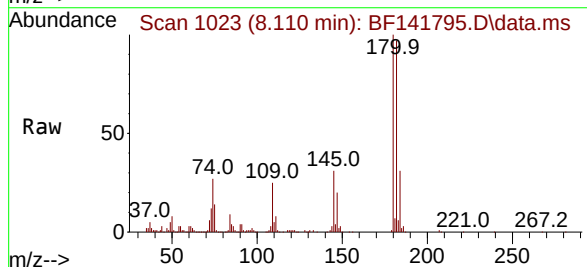
Tgt Ion:180 Resp: 188296

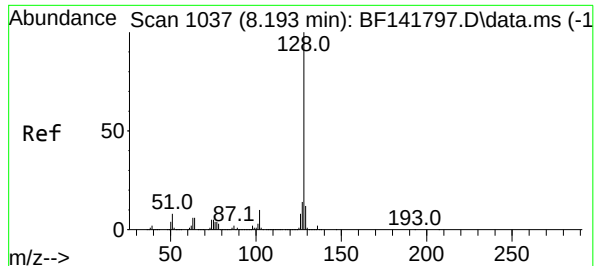
Ion Ratio Lower Upper

180 100

182 97.2 76.8 115.2

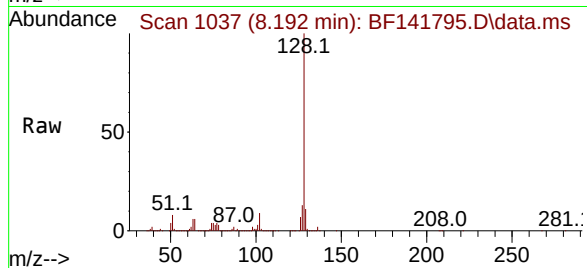
145 30.8 26.4 39.6





#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

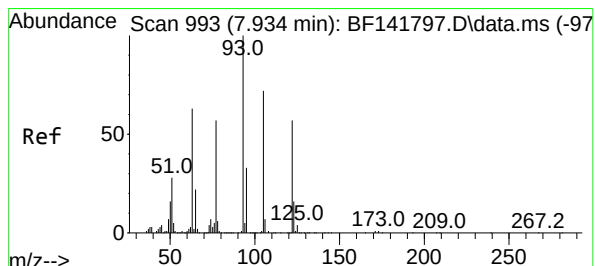
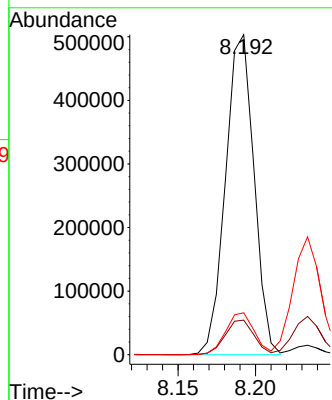
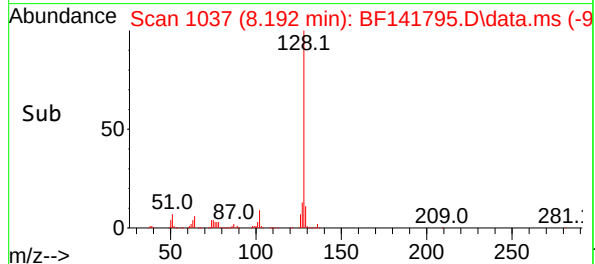
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

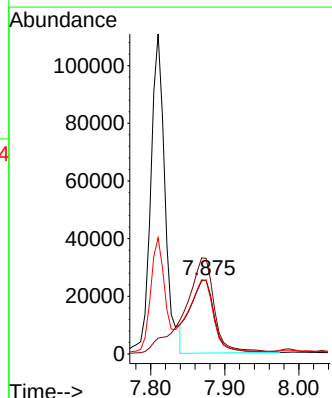
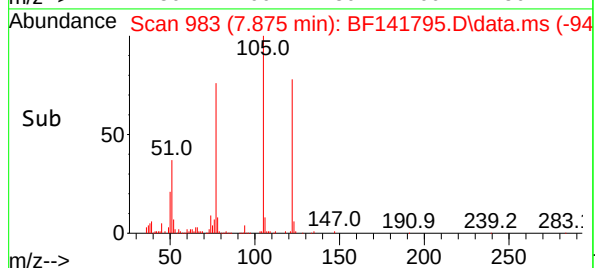
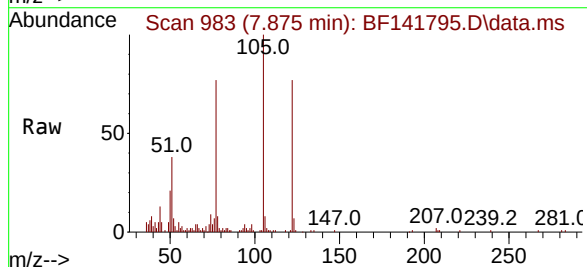
Manual Integrations
APPROVED

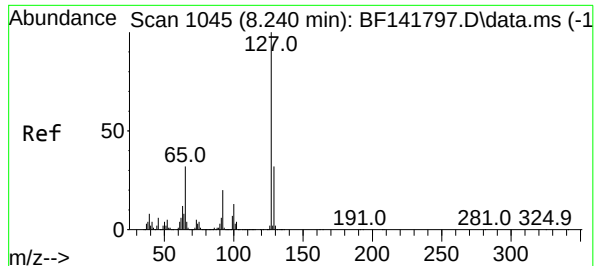
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

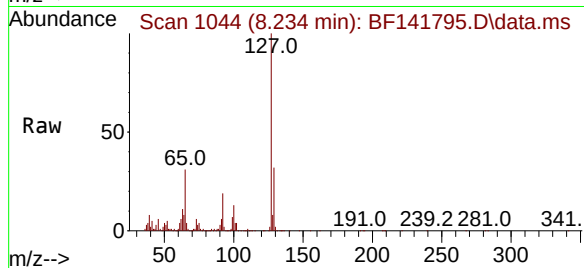
Tgt Ion:122 Resp: 58209
Ion Ratio Lower Upper
122 100
105 129.5 105.8 145.8
77 99.2 79.9 119.9





#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

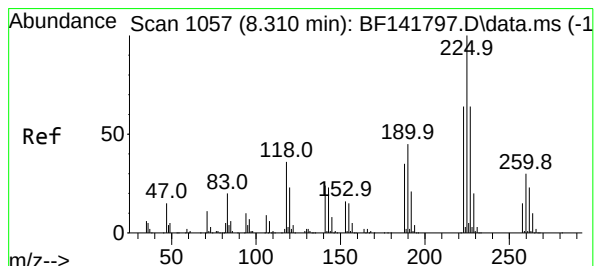
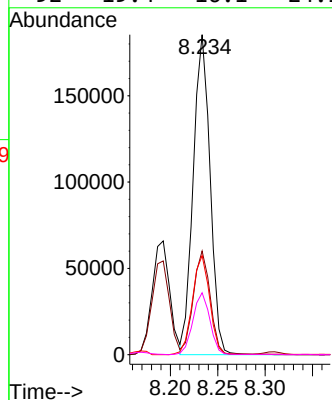
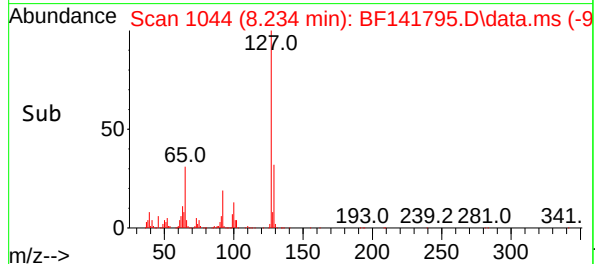
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

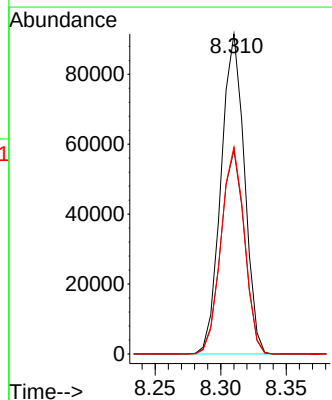
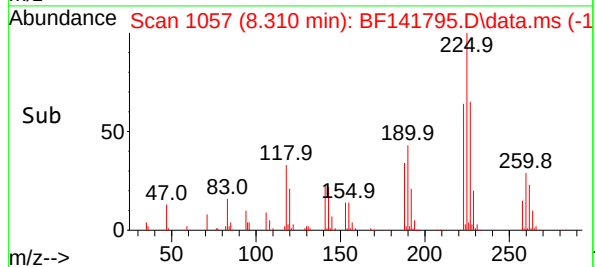
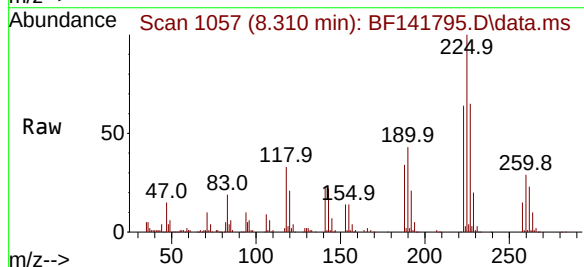
Manual Integrations
APPROVED

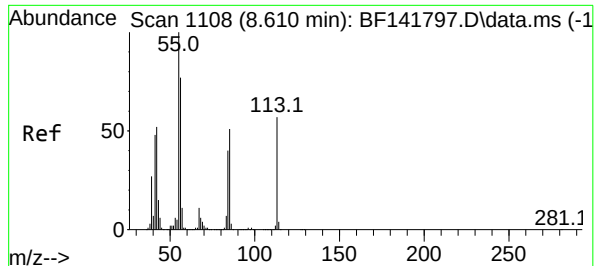
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

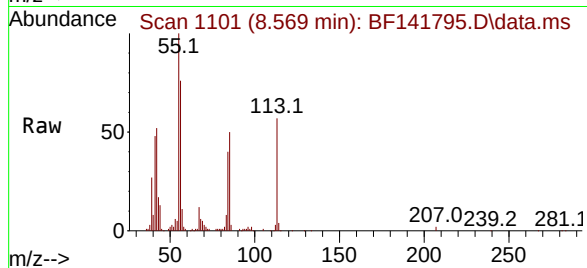
Tgt Ion:225 Resp: 113140
Ion Ratio Lower Upper
225 100
223 63.6 51.4 77.2
227 64.7 51.6 77.4





#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

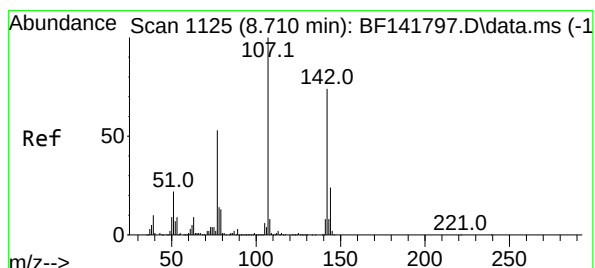
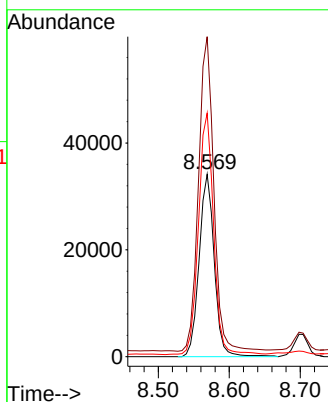
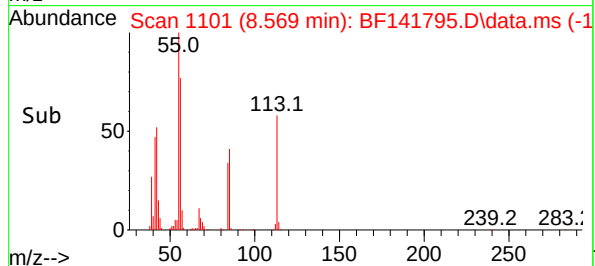
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

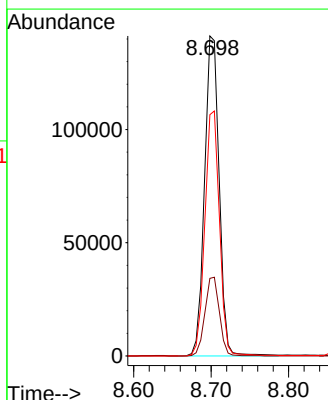
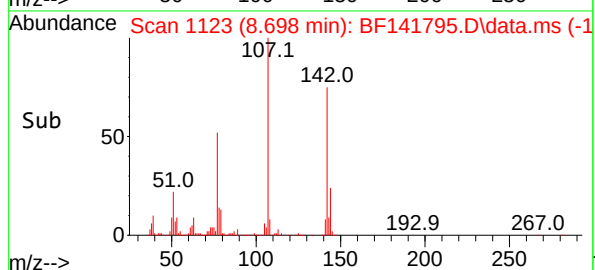
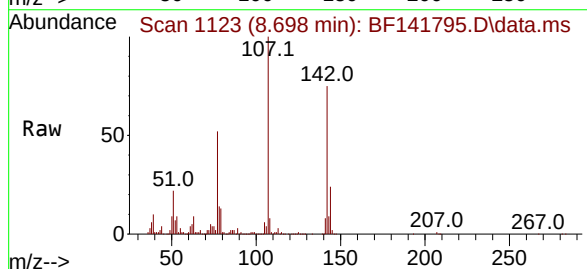
Manual Integrations
APPROVED

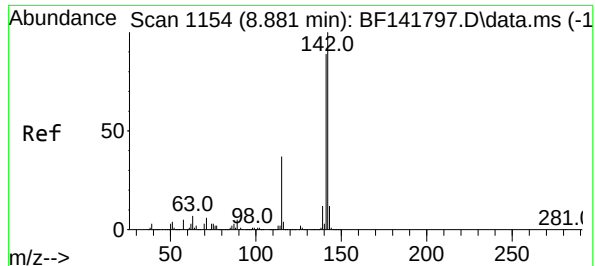
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

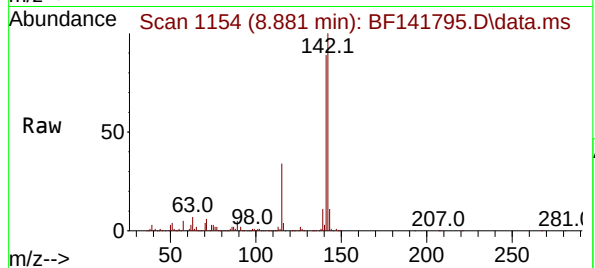
Tgt Ion:107 Resp: 185621
Ion Ratio Lower Upper
107 100
144 24.2 19.4 29.0
142 75.4 59.4 89.0





#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

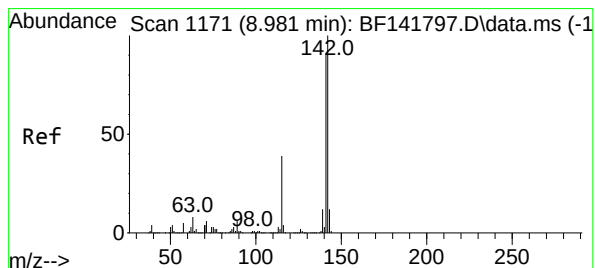
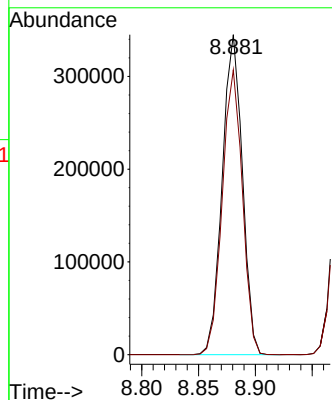
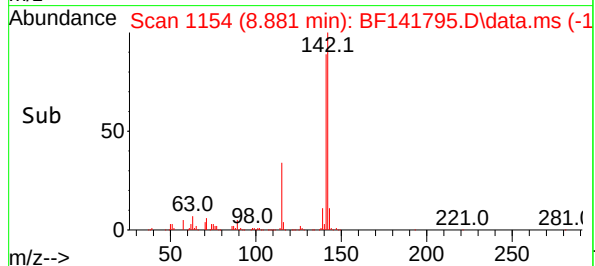
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

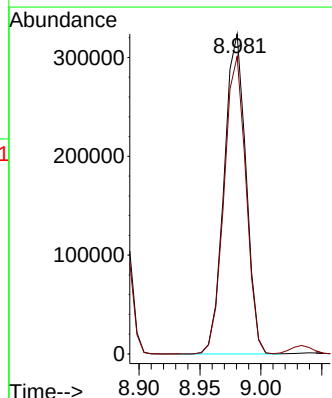
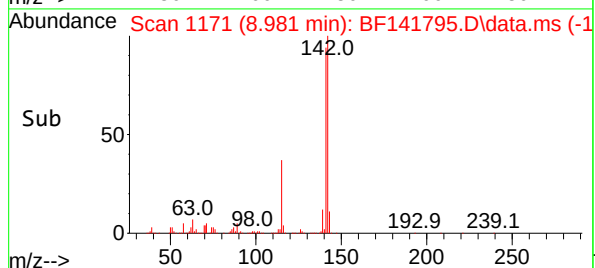
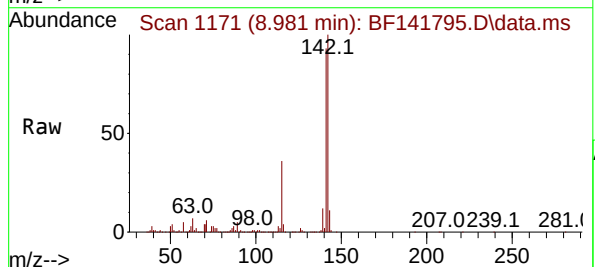
Manual Integrations
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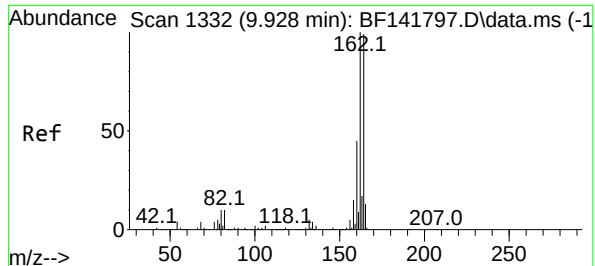
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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# 1131

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

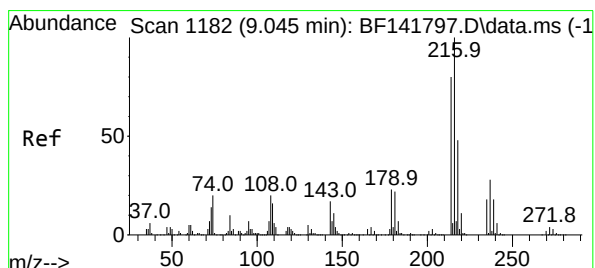
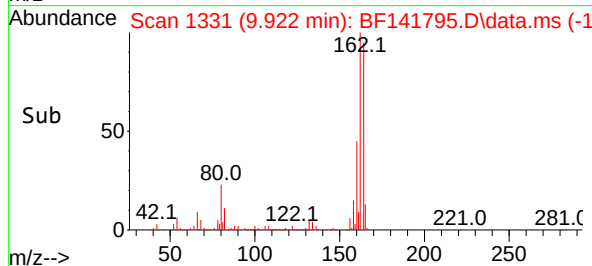
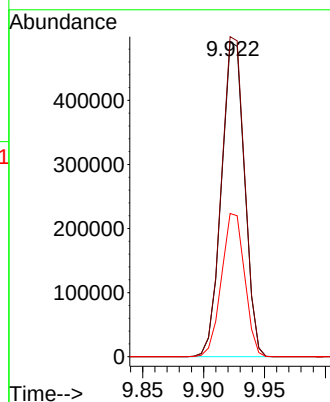
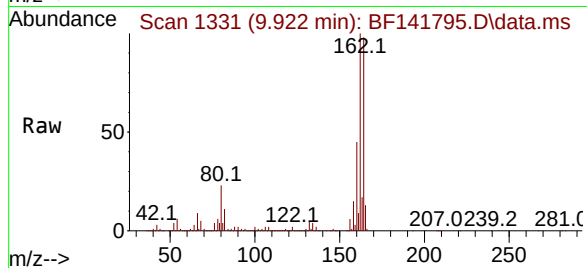
160 45.5 36.3 54.5

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

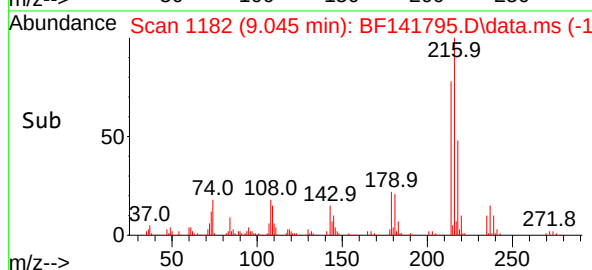
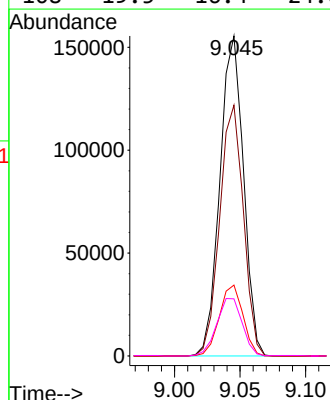
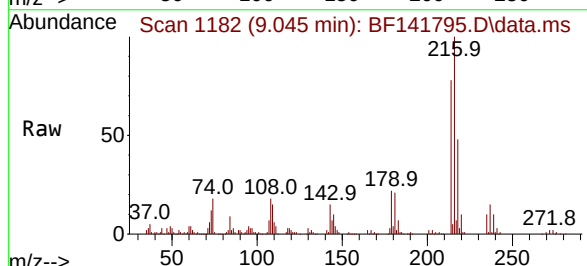
Ion Ratio Lower Upper

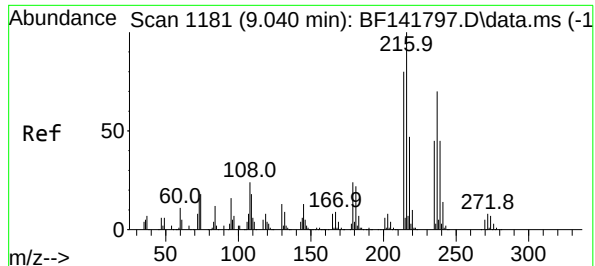
216 100

214 78.6 63.5 95.3

179 22.3 18.1 27.1

108 19.5 16.4 24.6





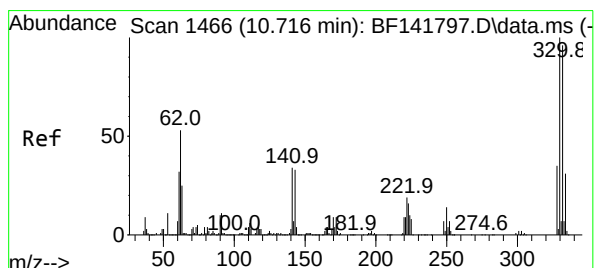
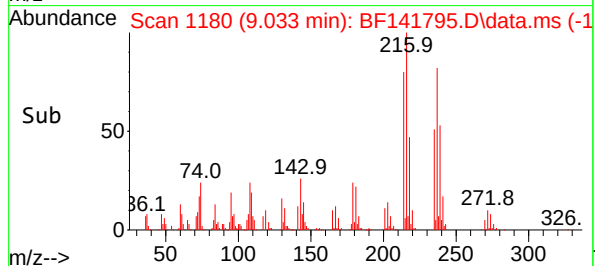
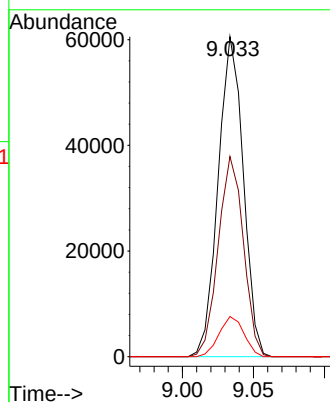
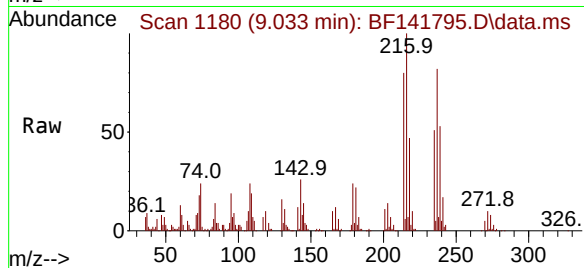
#41
Hexachlorocyclopentadiene
Concen: 9.533 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

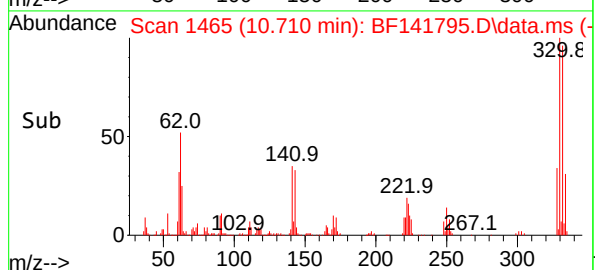
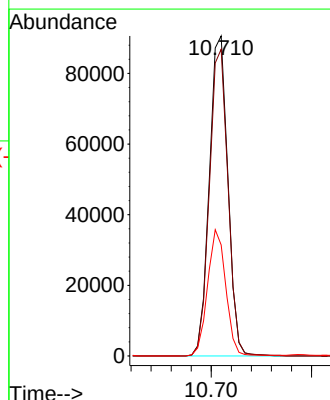
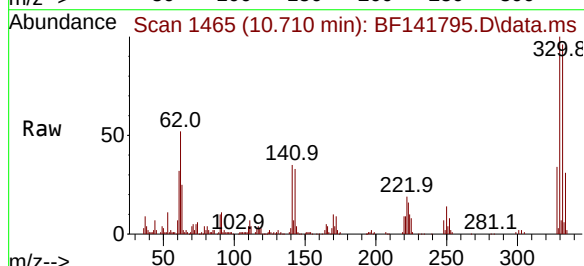
Manual Integrations
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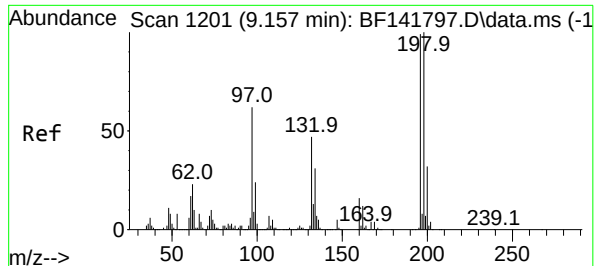
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

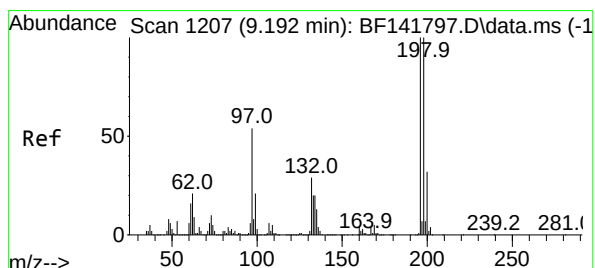
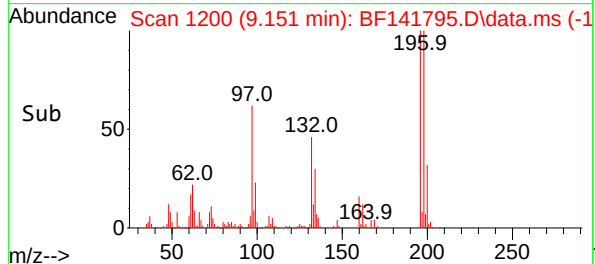
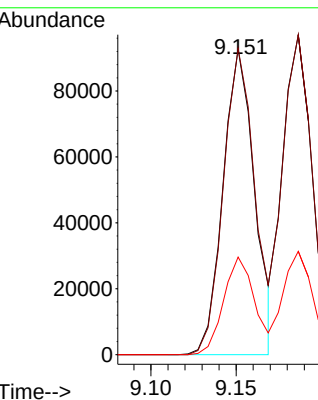
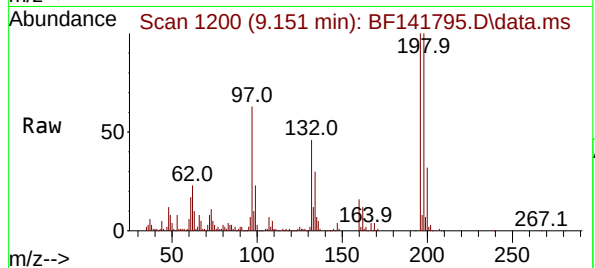
200 32.0 25.7 38.5

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

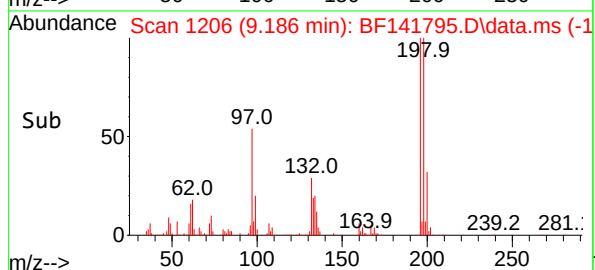
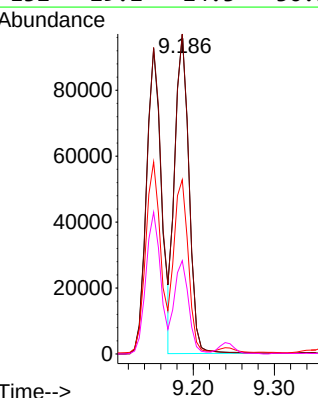
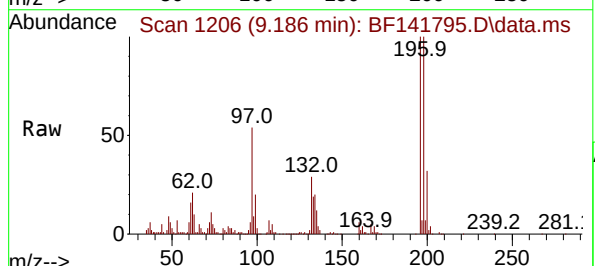
Ion Ratio Lower Upper

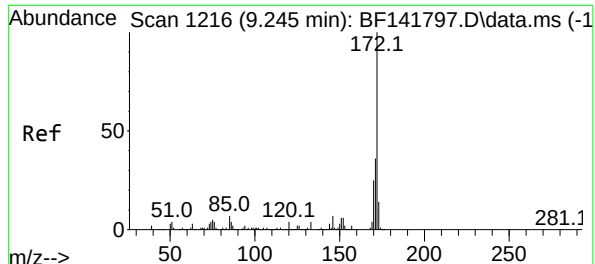
196 100

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

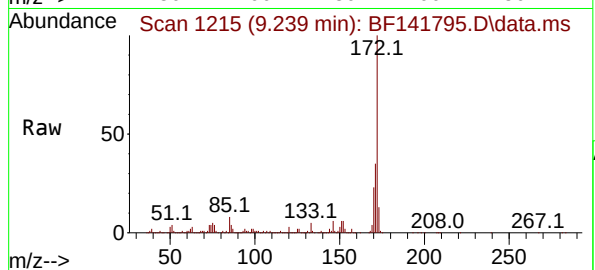
Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:172 Resp: 89879

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

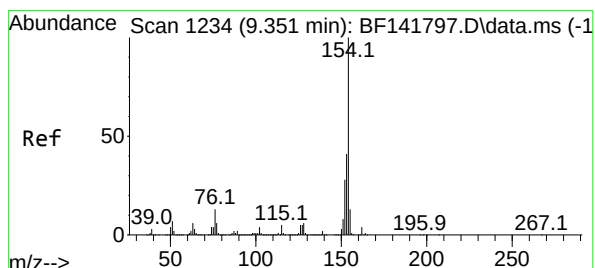
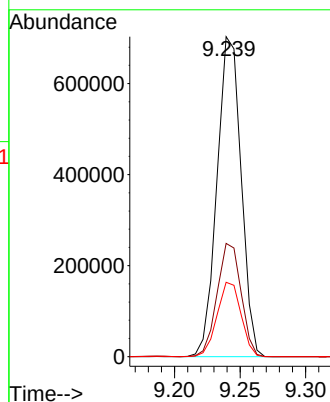
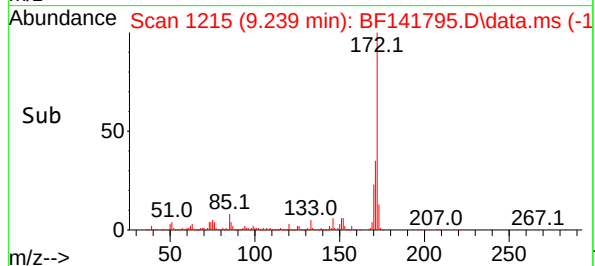
170 23.3 19.7 29.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#46

1,1'-Biphenyl

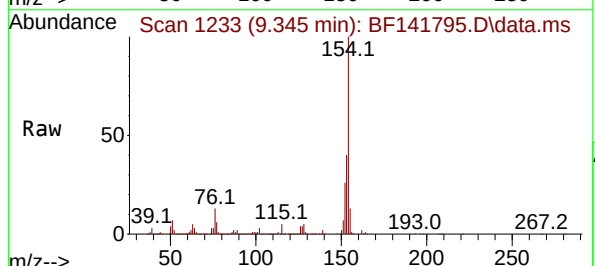
Concen: 10.896 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16



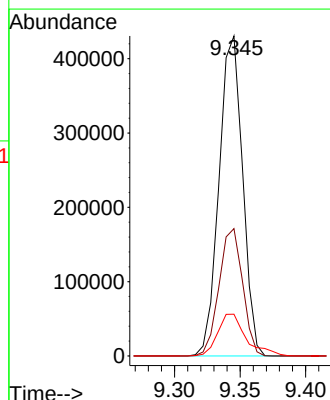
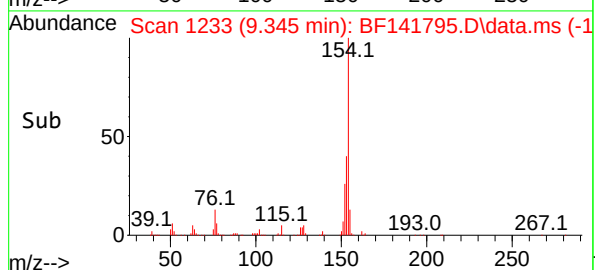
Tgt Ion:154 Resp: 537368

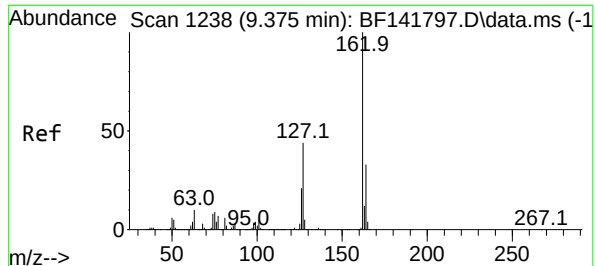
Ion Ratio Lower Upper

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

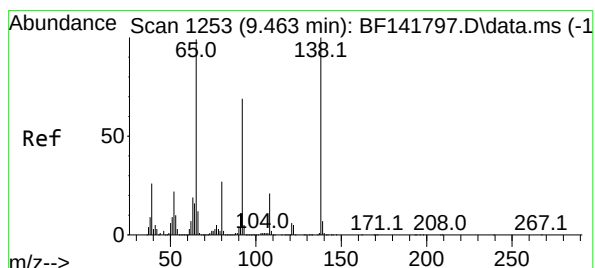
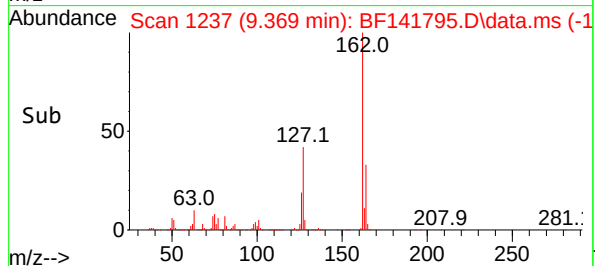
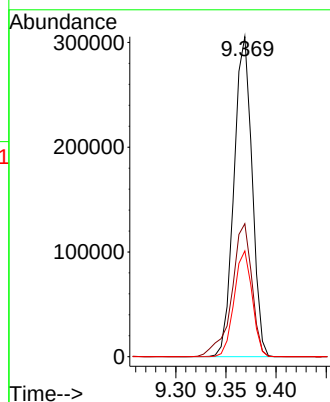
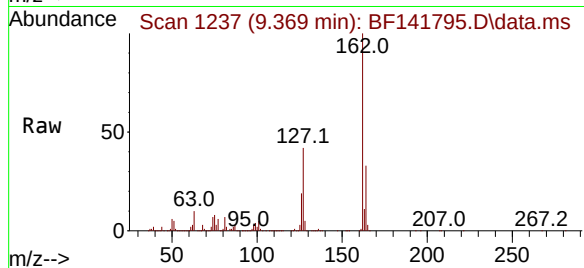
164 33.1 26.6 40.0

Manual Integrations

APPROVED

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

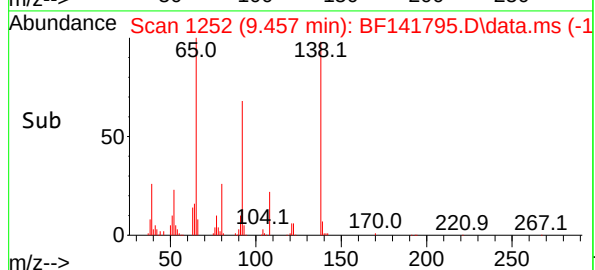
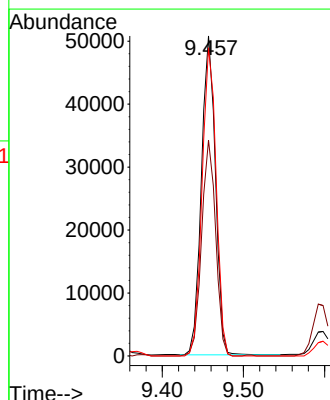
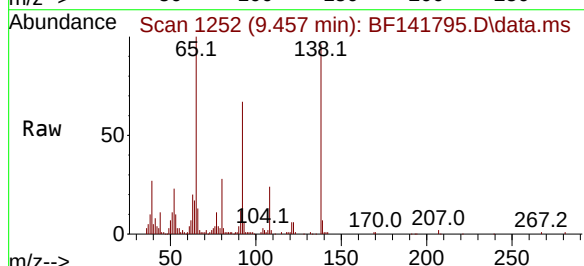
Tgt Ion: 65 Resp: 60658

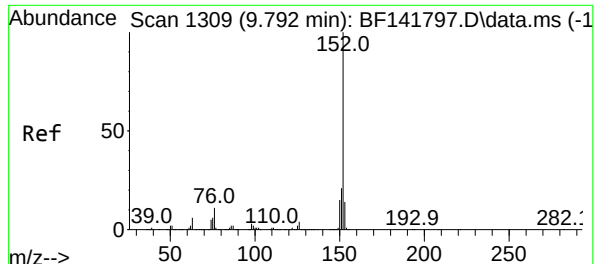
Ion Ratio Lower Upper

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

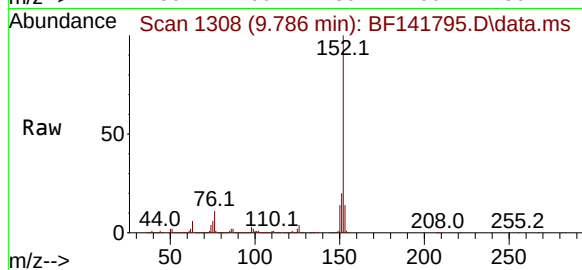
Acq: 27 Feb 2025 16:16

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:152 Resp: 58606

Ion Ratio Lower Upper

152 100

151 19.9 16.6 24.8

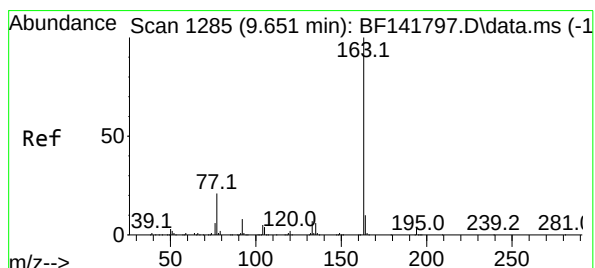
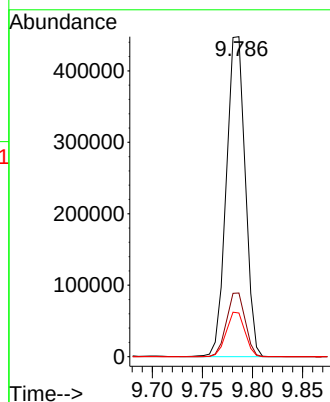
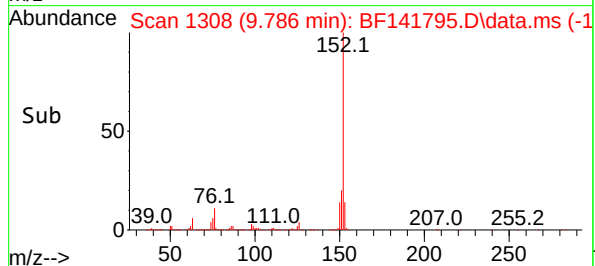
153 13.7 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

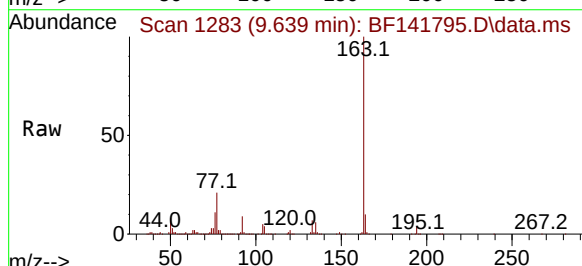
Concen: 10.491 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141795.D

Acq: 27 Feb 2025 16:16



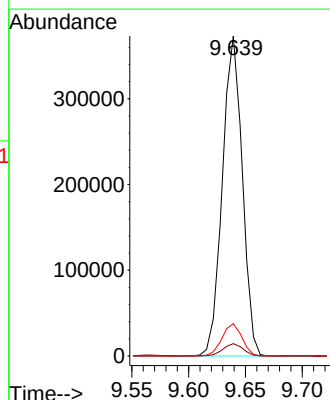
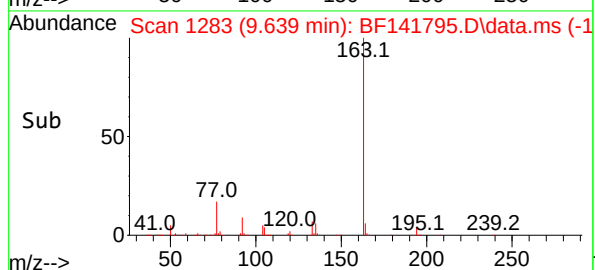
Tgt Ion:163 Resp: 455190

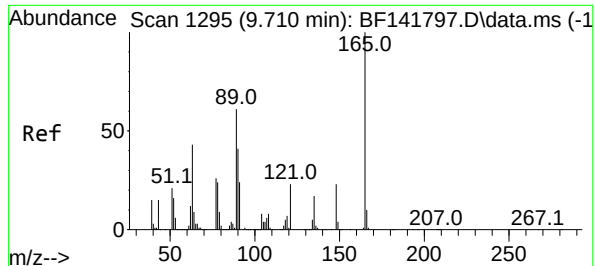
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.1 8.4 12.6





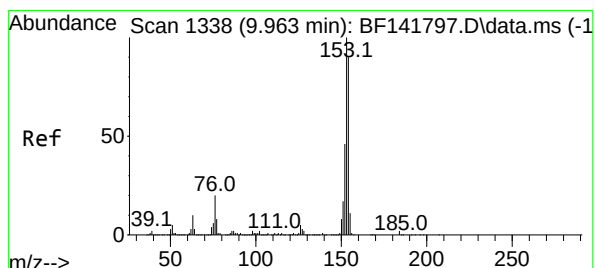
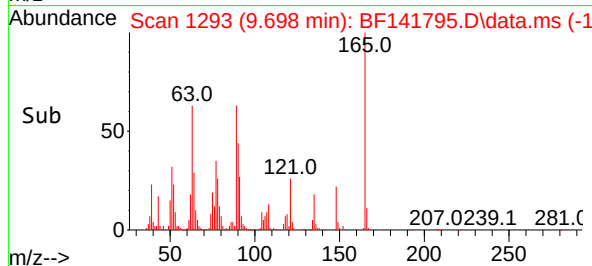
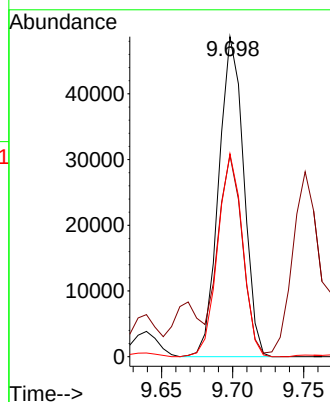
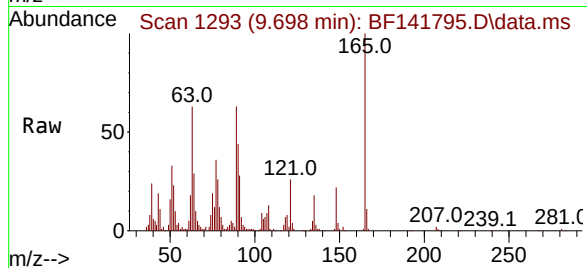
#51
2,6-Dinitrotoluene
Concen: 9.588 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

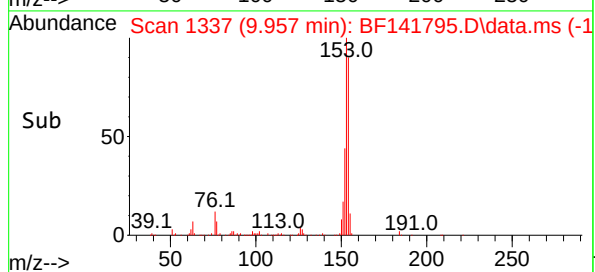
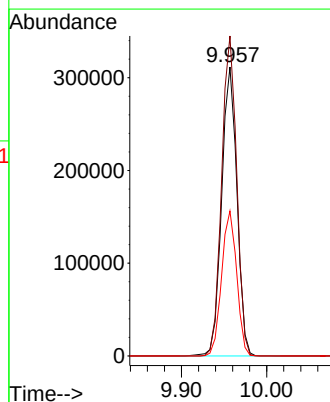
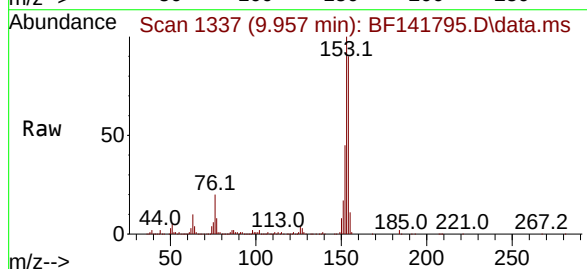
Manual Integrations
APPROVED

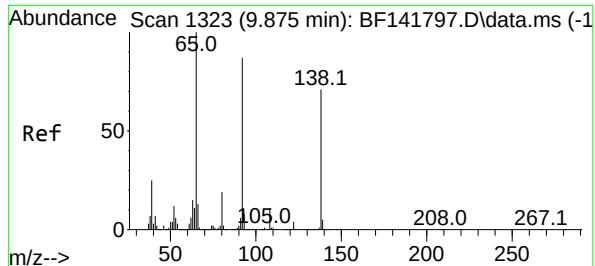
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

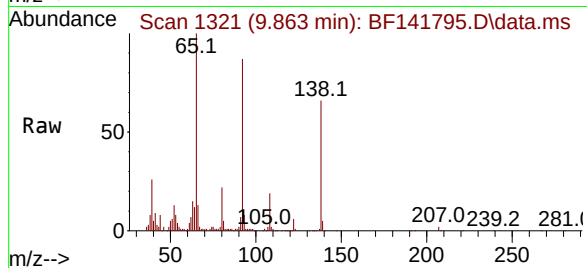
Tgt Ion:154 Resp: 389154
Ion Ratio Lower Upper
154 100
153 110.7 88.7 133.1
152 50.2 40.9 61.3





#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

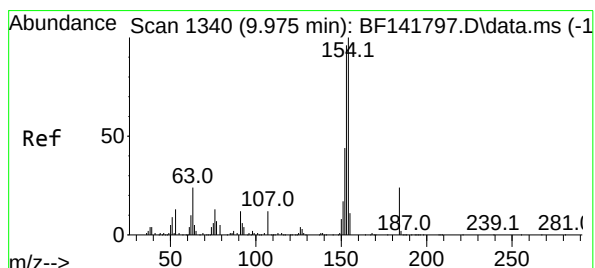
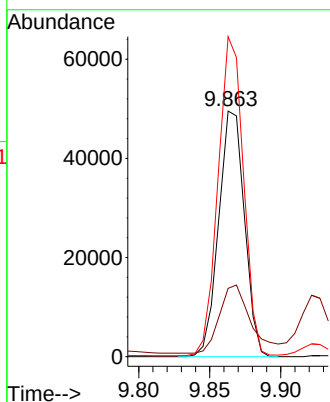
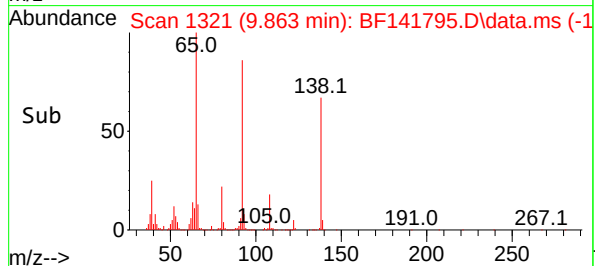
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



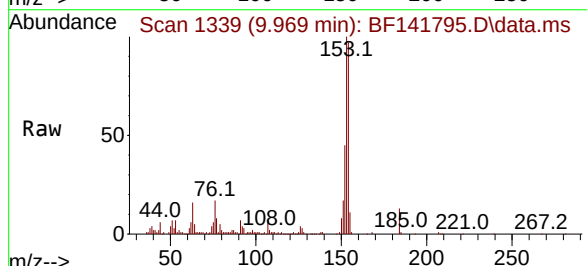
Tgt Ion:138 Resp: 62569
Ion Ratio Lower Upper
138 100
108 27.8 12.7 19.1#
92 130.3 97.9 146.9

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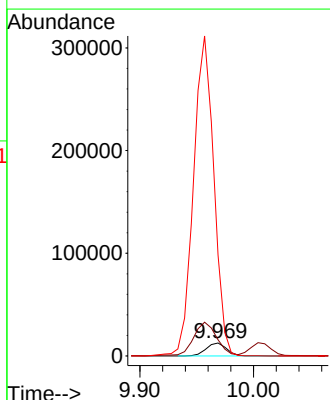
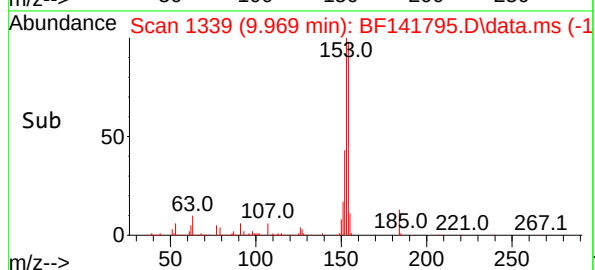
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

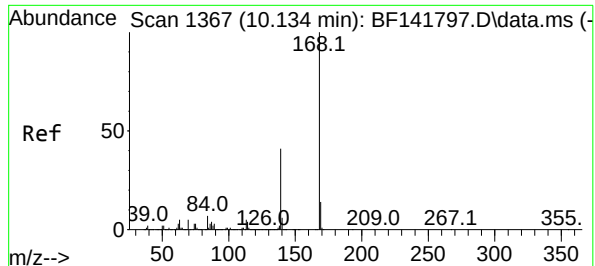


#54
2,4-Dinitrophenol
Concen: 10.881 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16



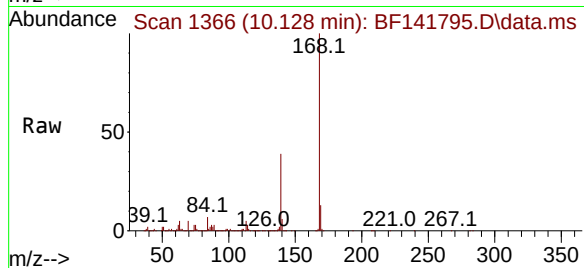
Tgt Ion:184 Resp: 15803
Ion Ratio Lower Upper
184 100
63 124.5 79.0 118.6#
154 775.6 335.8 503.8#





#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

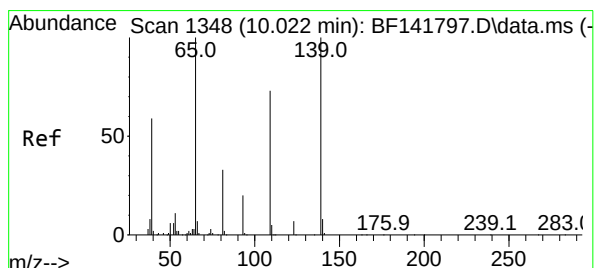
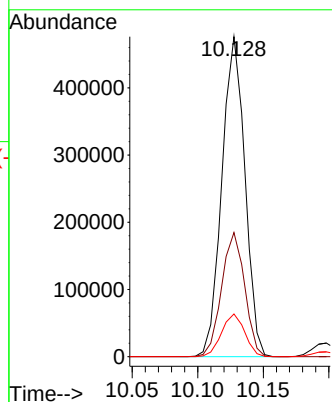
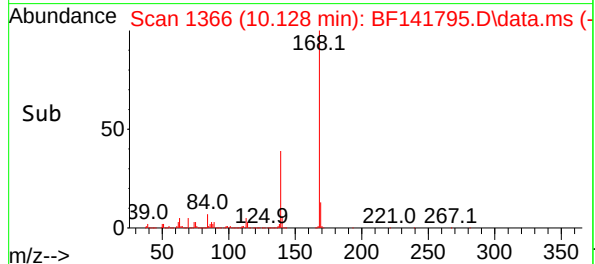
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

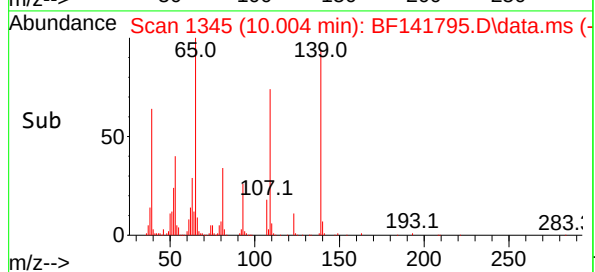
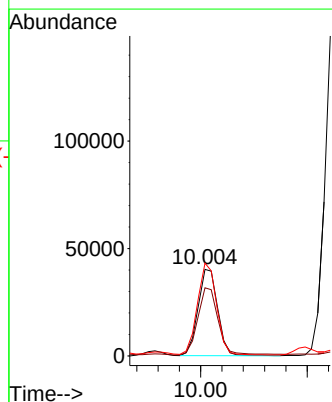
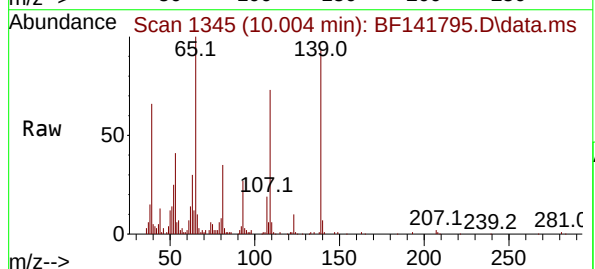
Manual Integrations
APPROVED

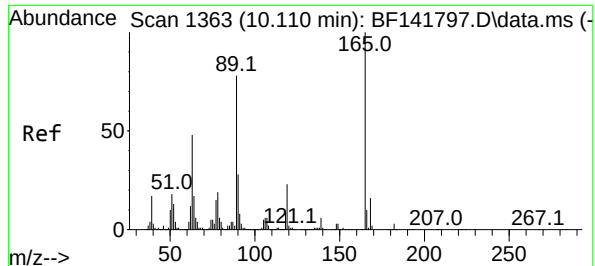
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

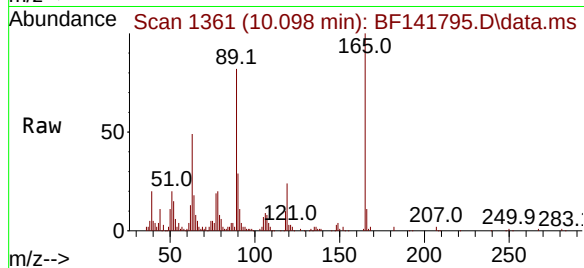
Tgt Ion:139 Resp: 51406
Ion Ratio Lower Upper
139 100
109 78.6 53.4 93.4
65 107.2 82.1 122.1





#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

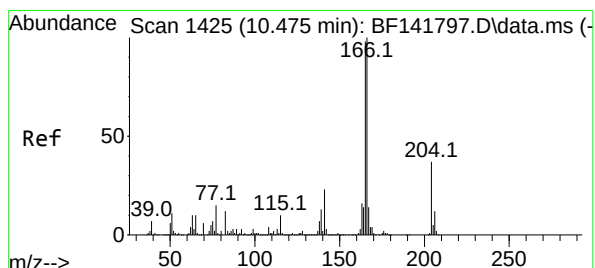
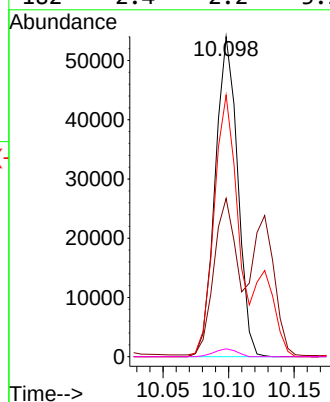
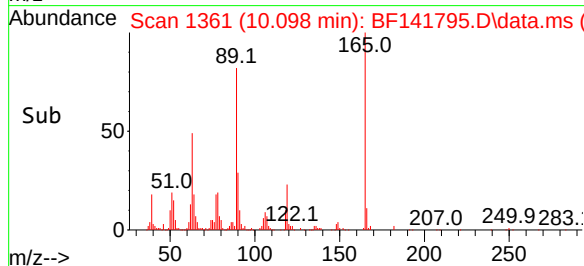
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

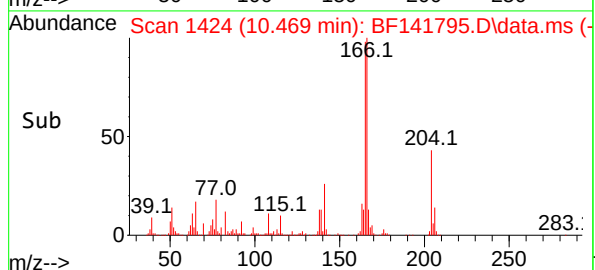
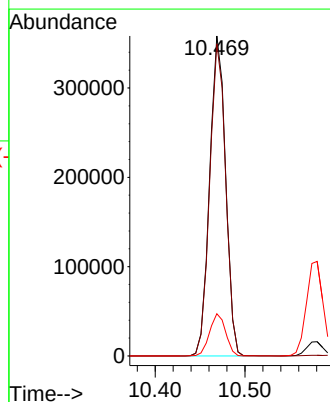
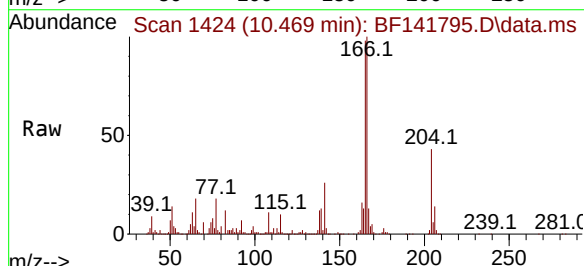
Manual Integrations
APPROVED

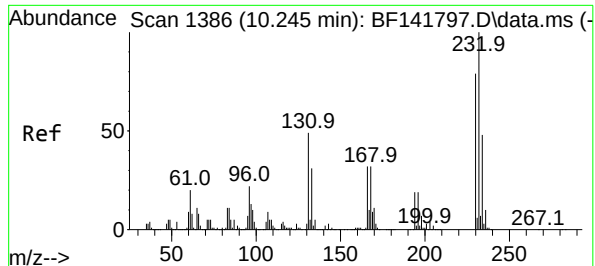
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

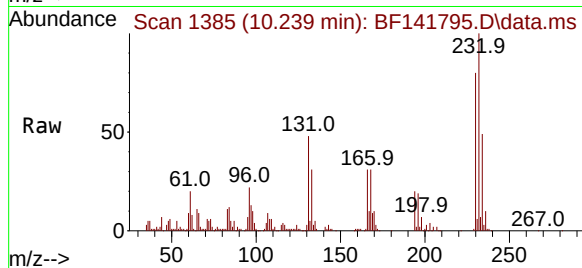
Tgt Ion:166 Resp: 442697
Ion Ratio Lower Upper
166 100
165 97.5 78.6 117.8
167 13.2 11.0 16.4





#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

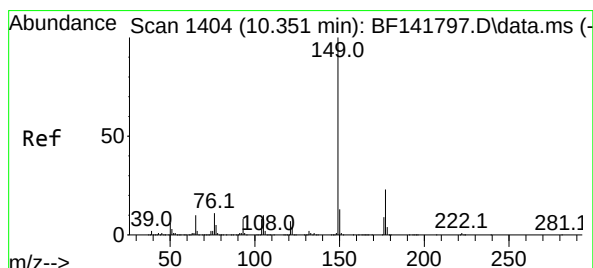
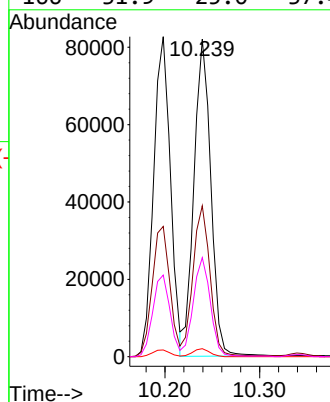
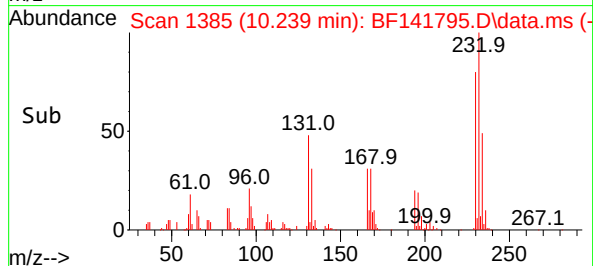
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

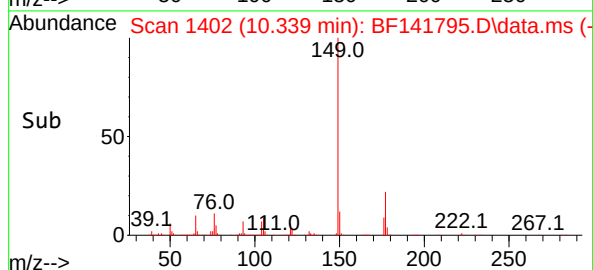
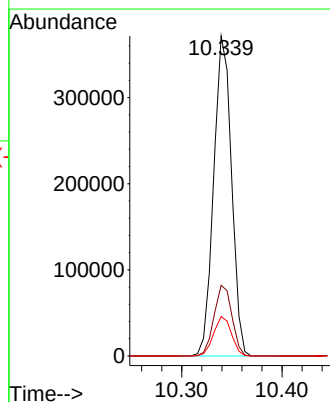
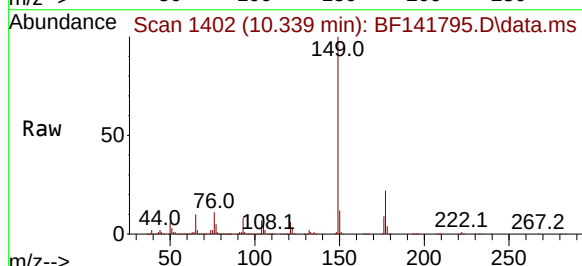
Manual Integrations
APPROVED

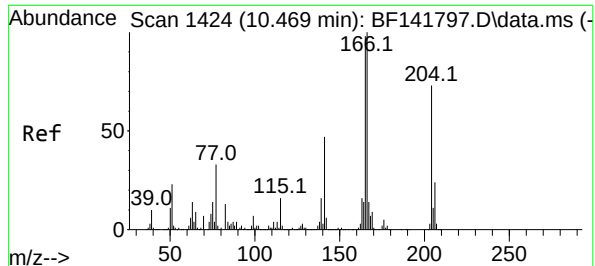
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

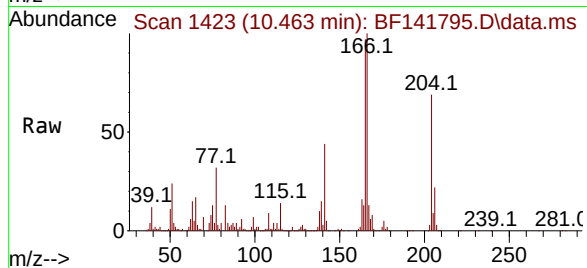
Tgt Ion:149 Resp: 457600
Ion Ratio Lower Upper
149 100
177 22.1 18.3 27.5
150 12.3 10.3 15.5





#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

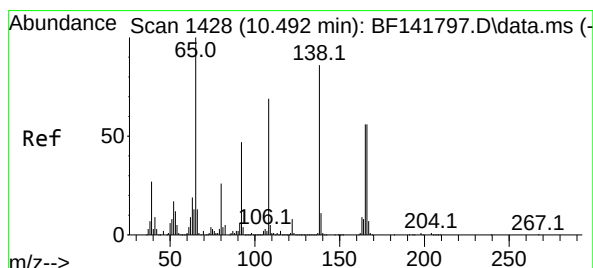
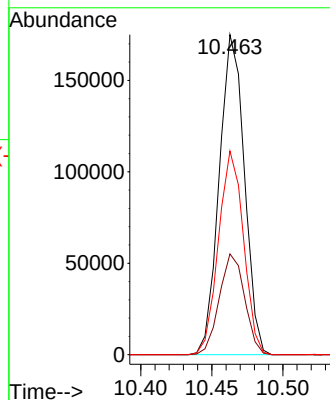
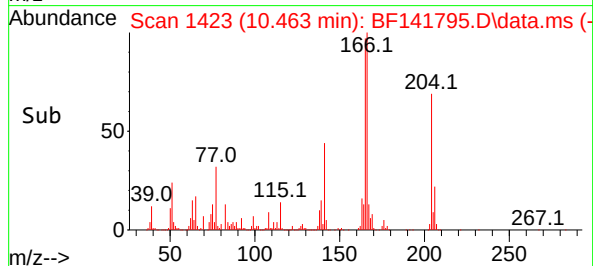
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

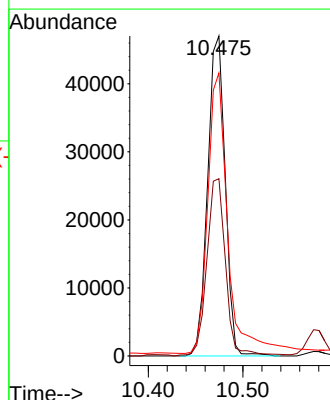
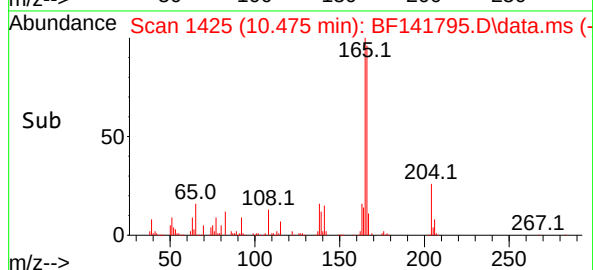
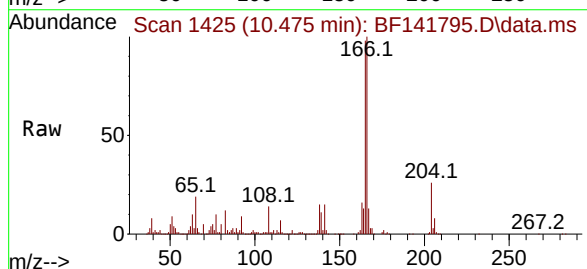
Manual Integrations
APPROVED

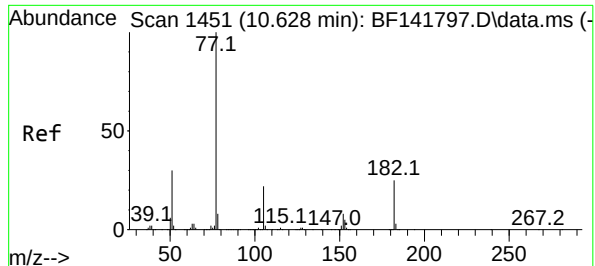
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

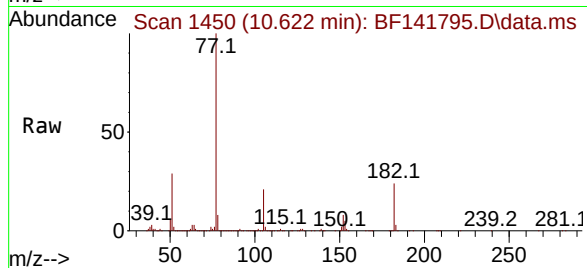
Tgt Ion:138 Resp: 60552
Ion Ratio Lower Upper
138 100
92 55.4 34.9 74.9
108 88.5 59.6 99.6





#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

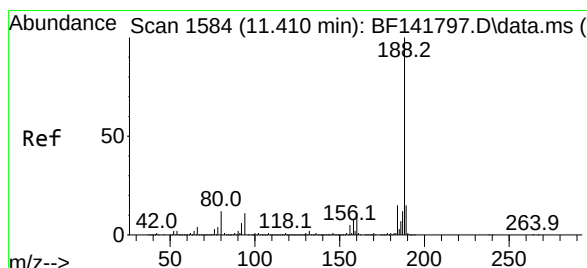
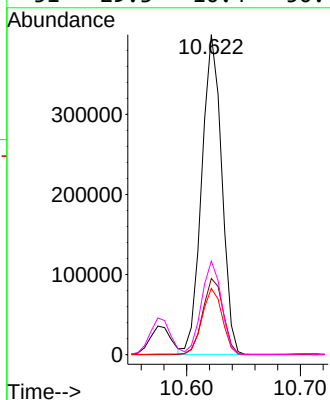
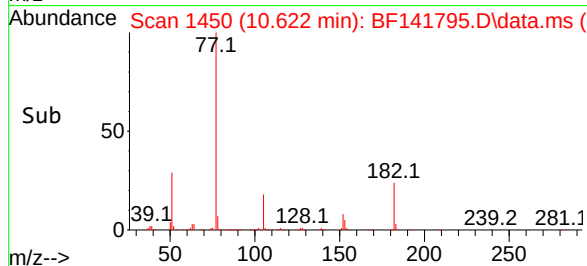
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

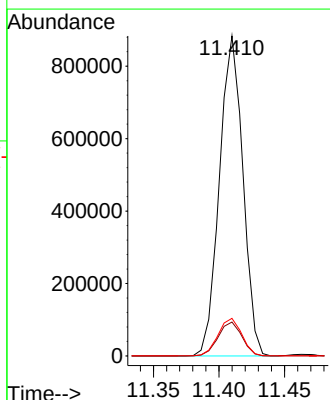
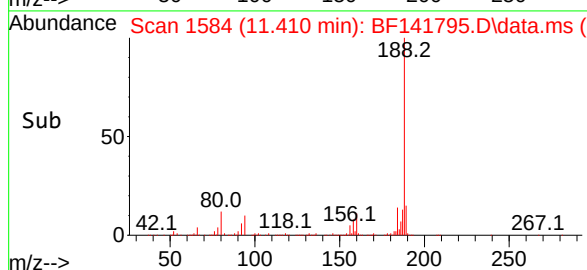
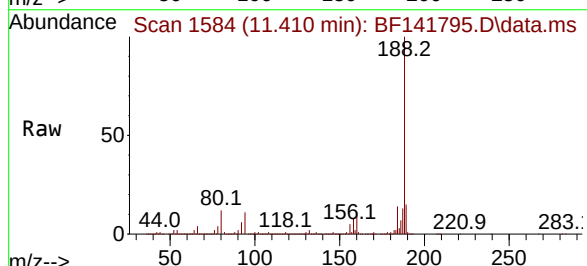
Manual Integrations
APPROVED

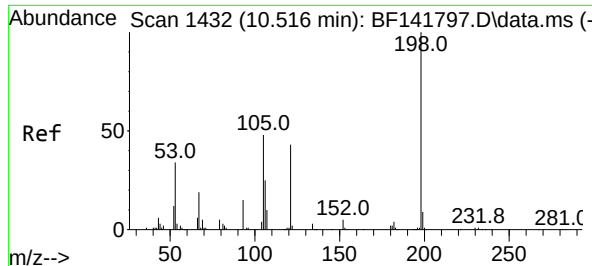
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

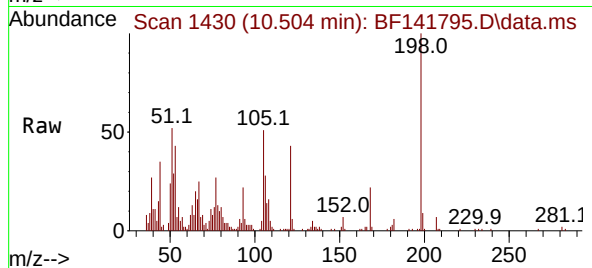
Tgt Ion:188 Resp: 1098842
Ion Ratio Lower Upper
188 100
94 10.6 8.9 13.3
80 11.7 9.7 14.5





#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

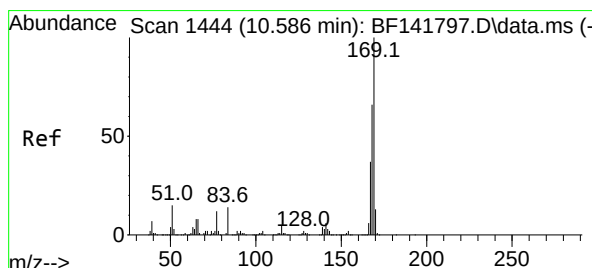
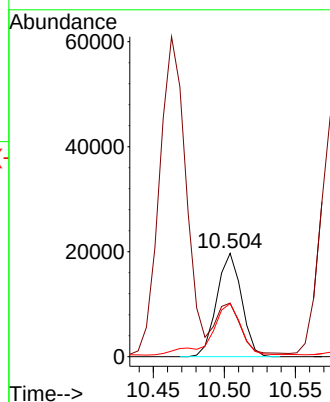
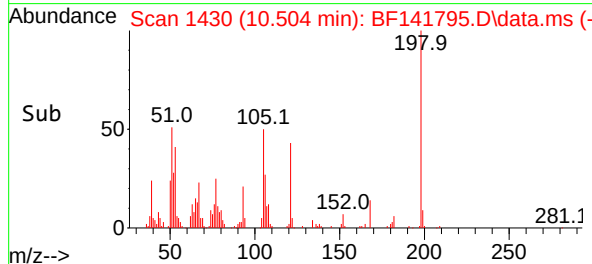
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

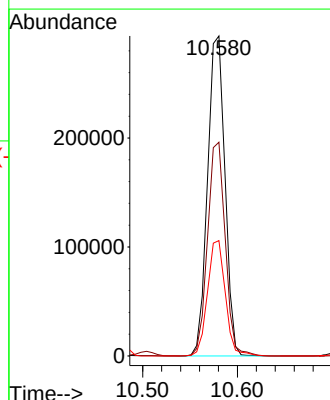
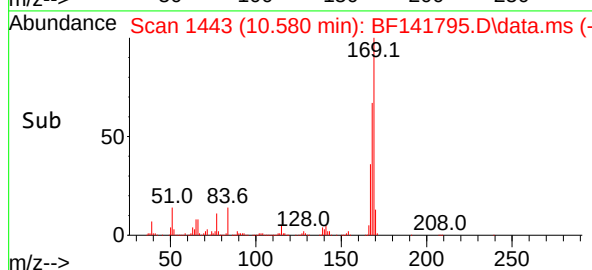
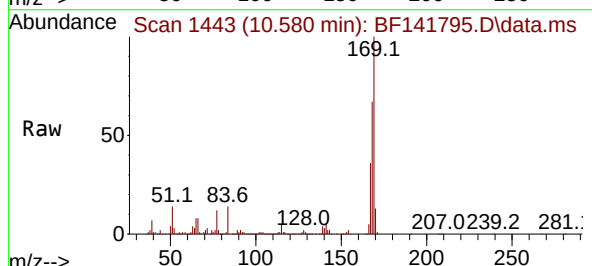
Manual Integrations
APPROVED

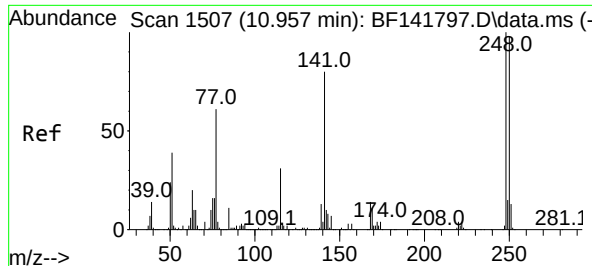
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

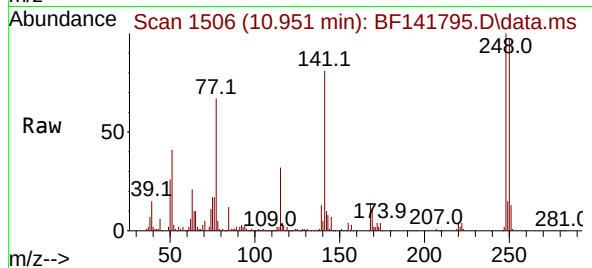
Tgt Ion:169 Resp: 374119
Ion Ratio Lower Upper
169 100
168 66.8 53.0 79.6
167 36.1 29.3 43.9





#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

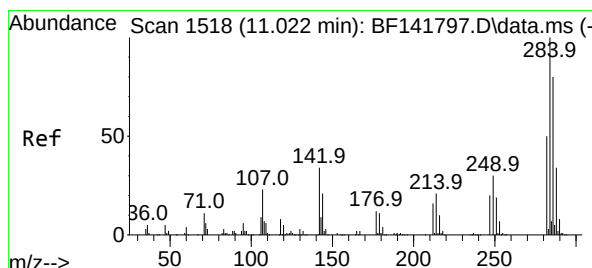
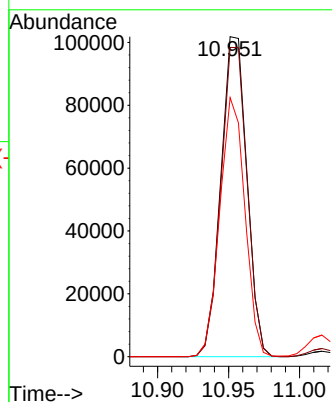
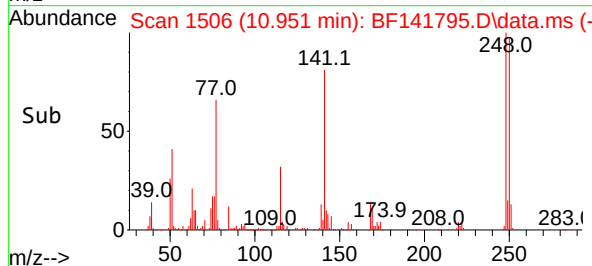
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

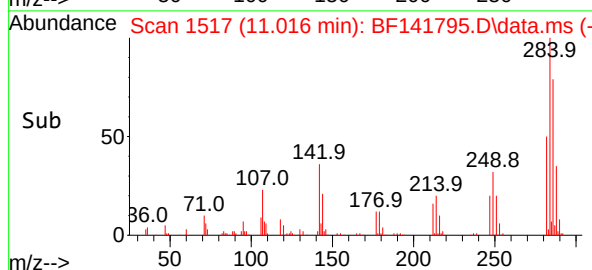
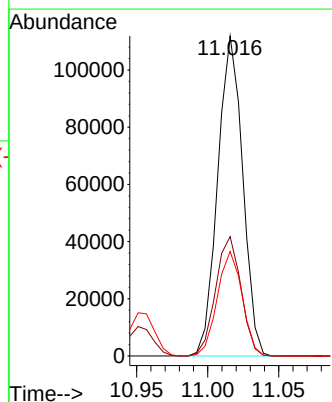
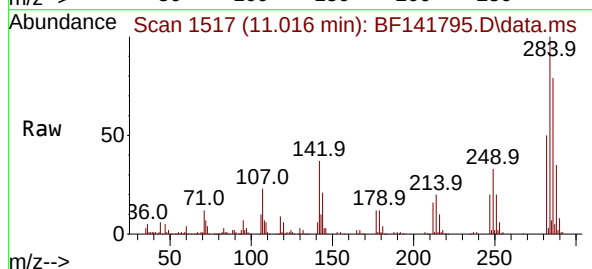
Manual Integrations
APPROVED

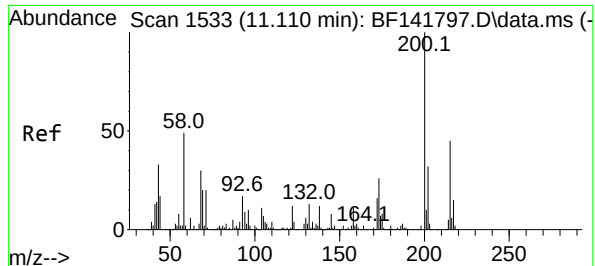
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

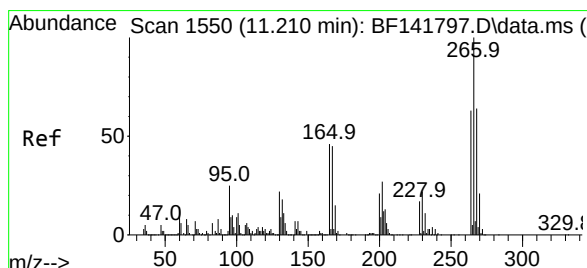
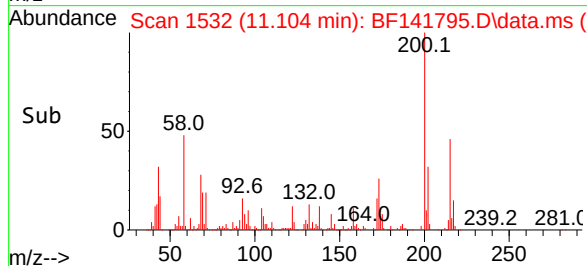
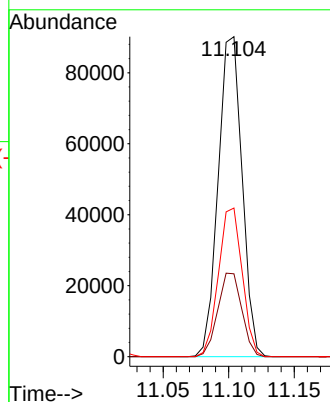
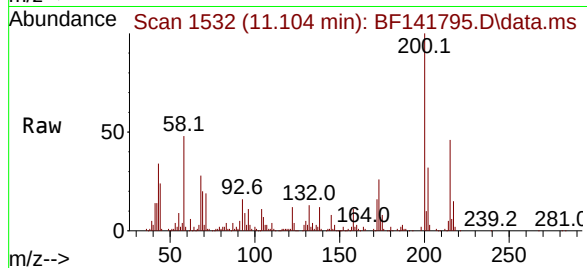
215 46.5 25.3 65.3

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

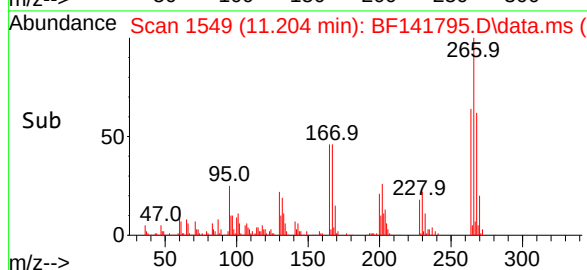
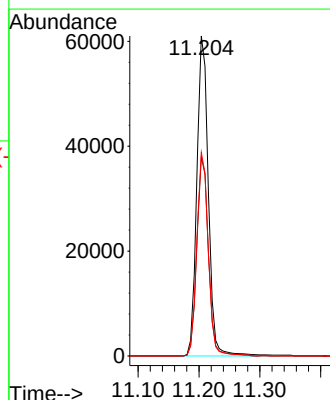
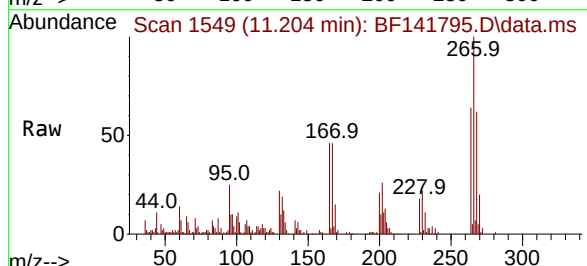
Tgt Ion:266 Resp: 80231

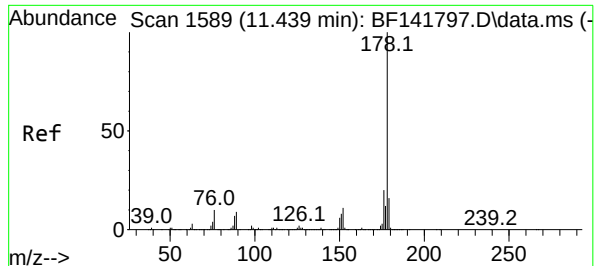
Ion Ratio Lower Upper

266 100

268 62.2 50.9 76.3

264 63.6 50.2 75.4





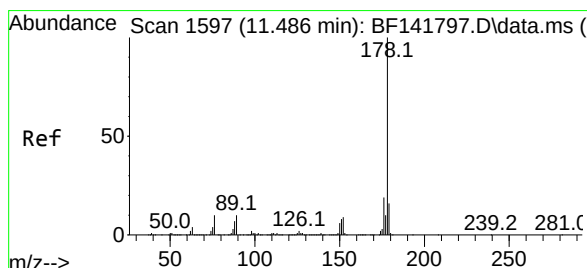
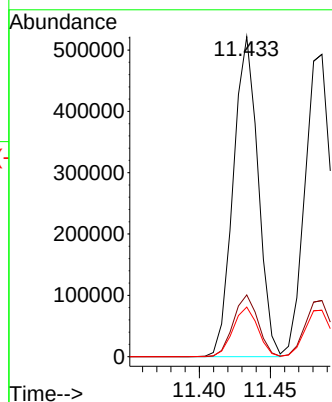
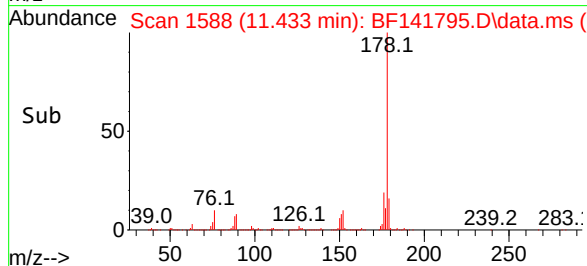
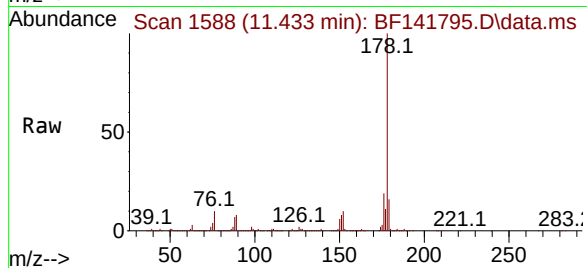
#71
Phenanthrene
Concen: 10.764 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

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

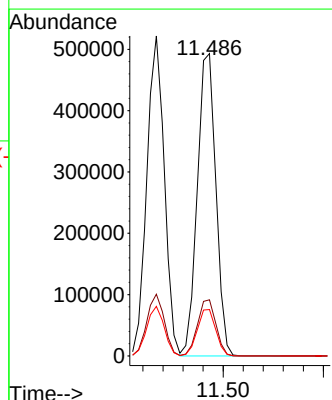
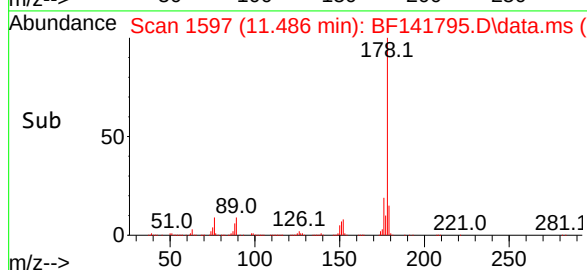
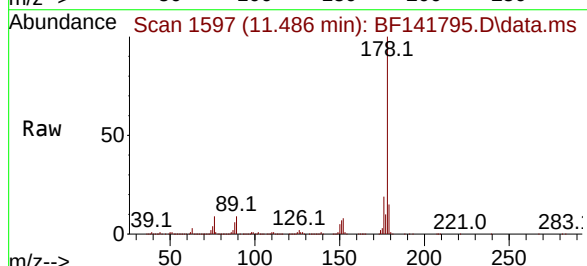
Manual Integrations
APPROVED

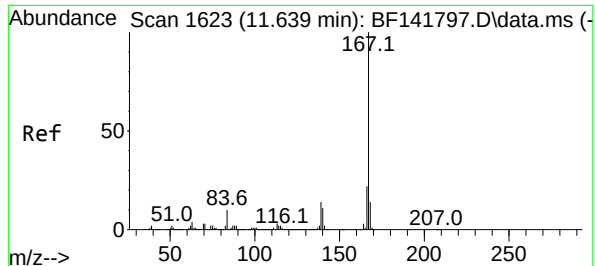
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

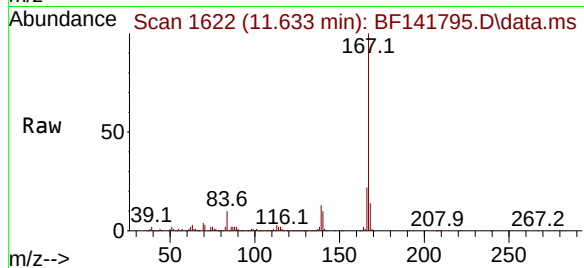
Tgt Ion:178 Resp: 635314
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.4 12.8 19.2





#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

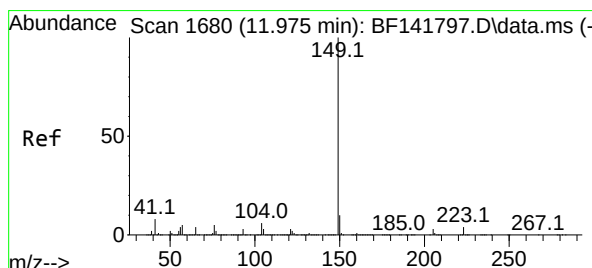
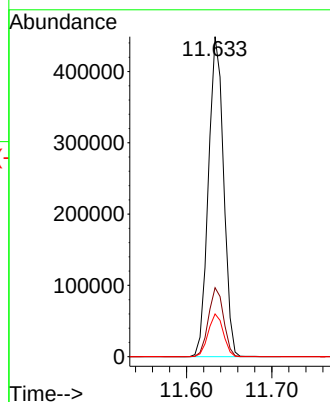
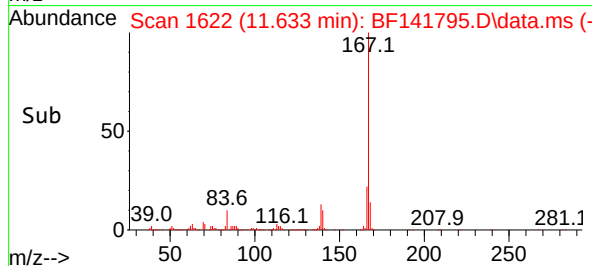
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

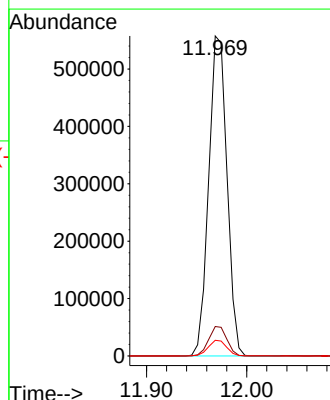
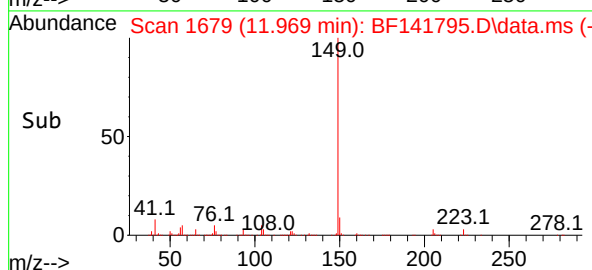
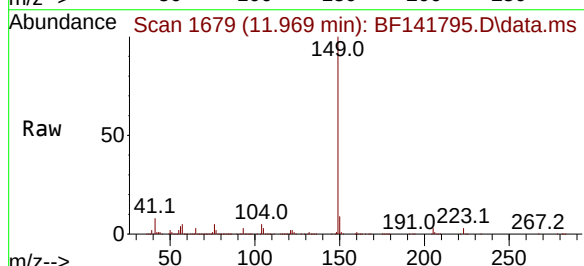
Manual Integrations
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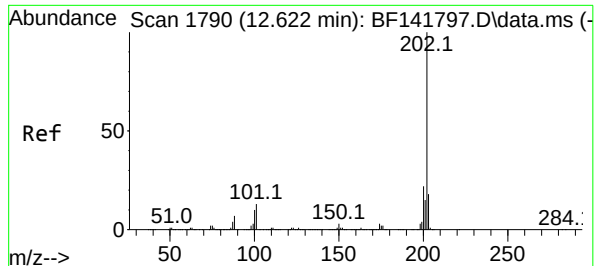
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

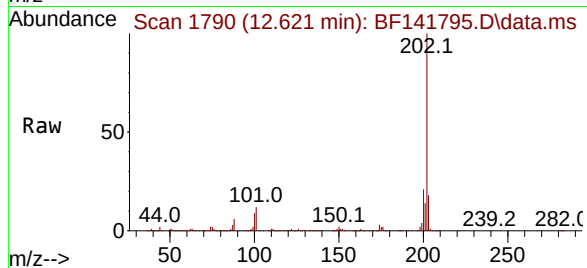
Tgt Ion:149 Resp: 709254
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 4.9 4.4 6.6





#75
Fluoranthene
Concen: 11.098 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

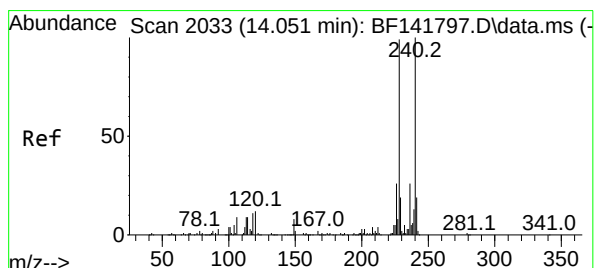
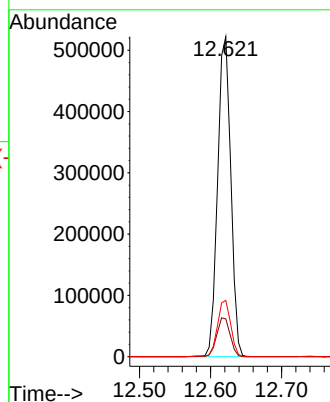
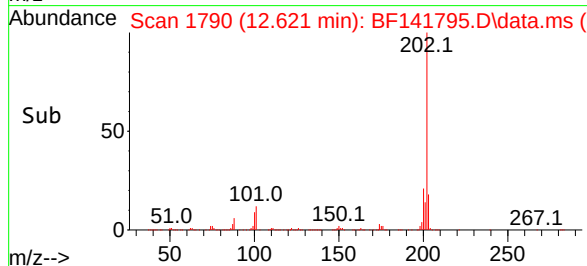
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

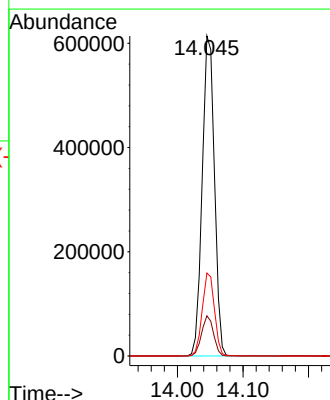
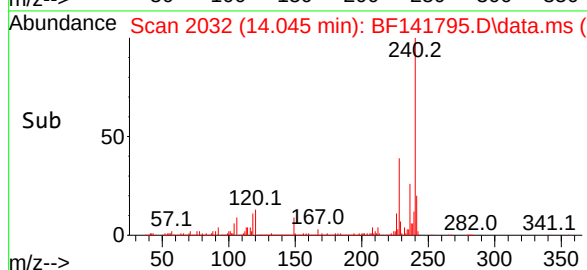
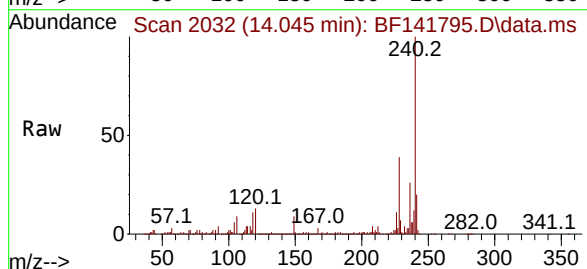
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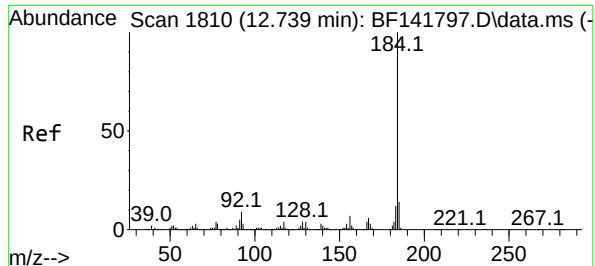
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

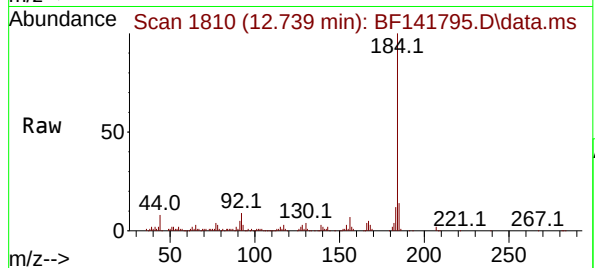
Tgt Ion:240 Resp: 800194
Ion Ratio Lower Upper
240 100
120 12.6 9.7 14.5
236 25.9 21.0 31.4





#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

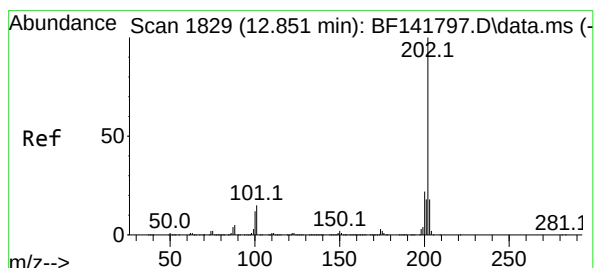
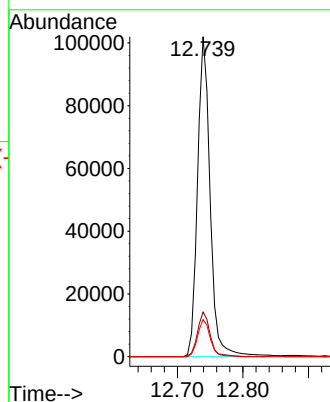
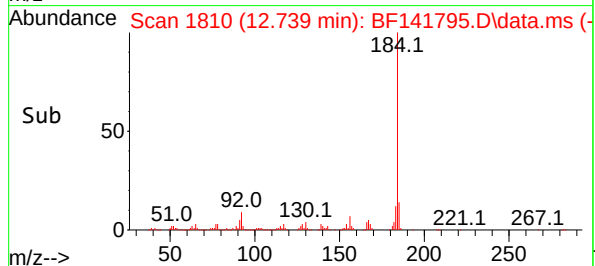
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

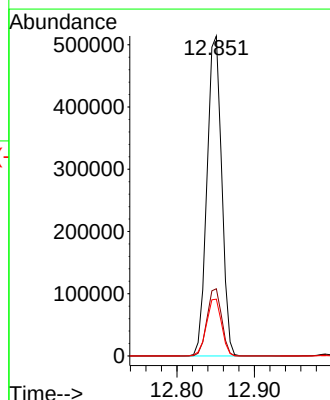
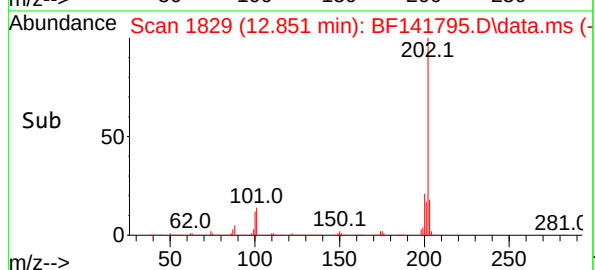
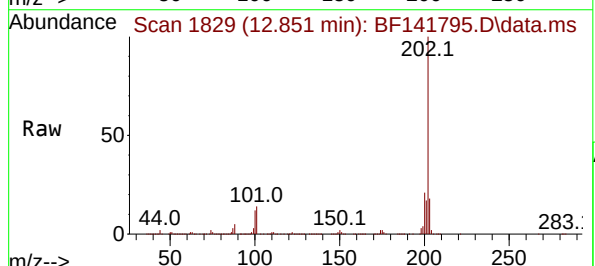
Manual Integrations
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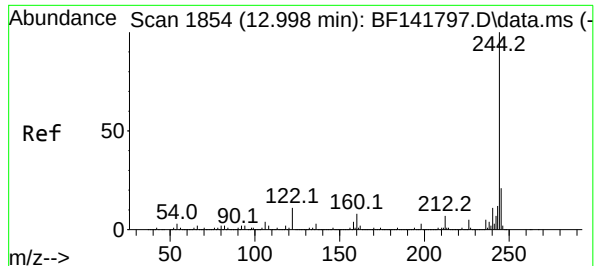
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

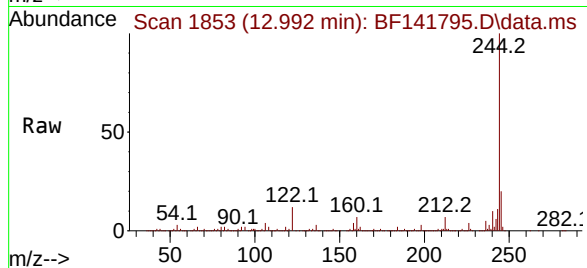
Tgt Ion:202 Resp: 674877
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 17.7 14.6 22.0





#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

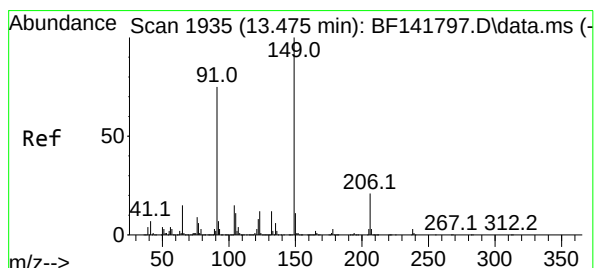
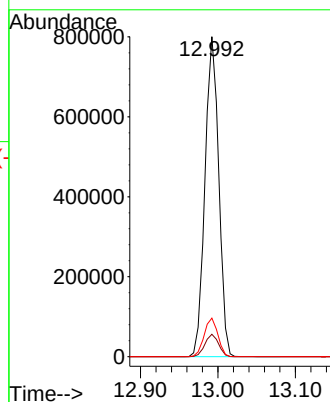
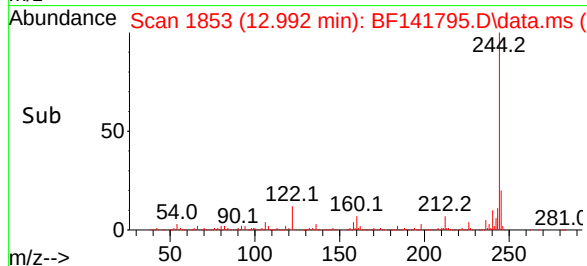
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

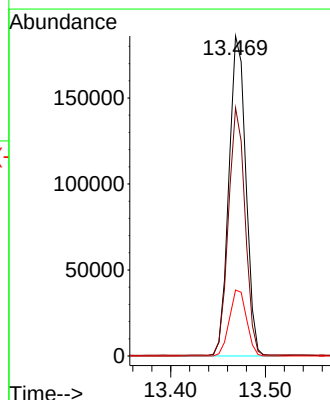
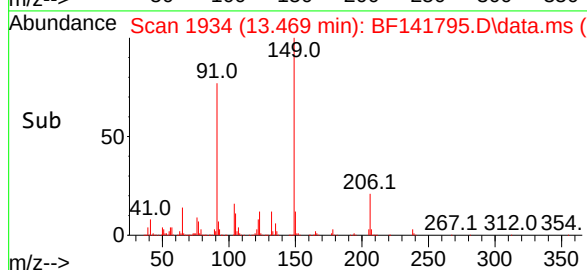
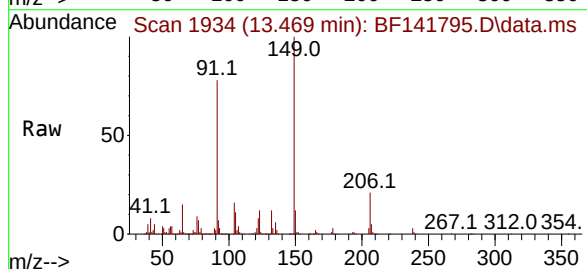
Manual Integrations
APPROVED

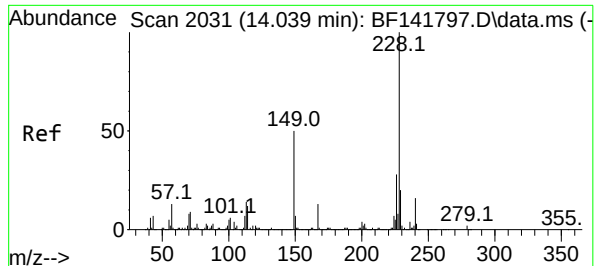
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

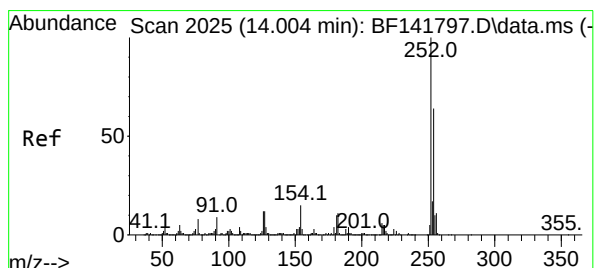
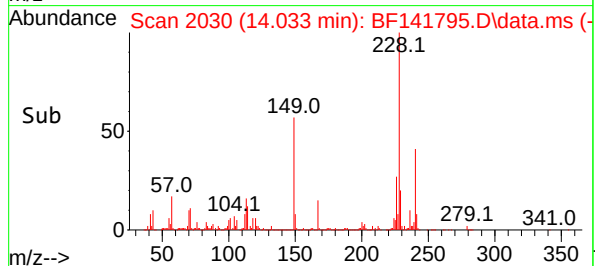
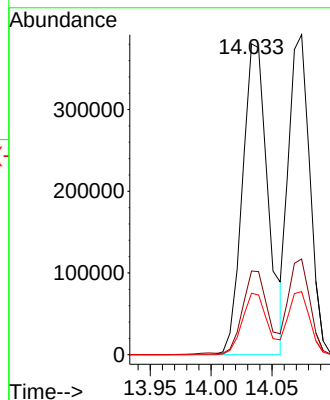
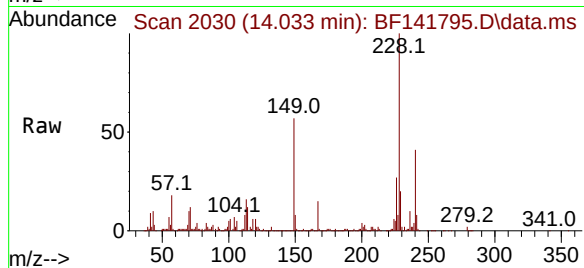
229 19.8 16.1 24.1

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

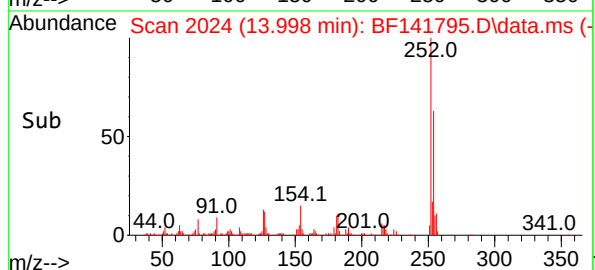
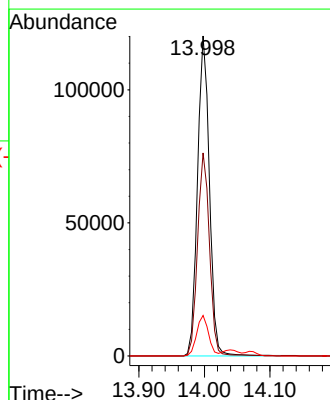
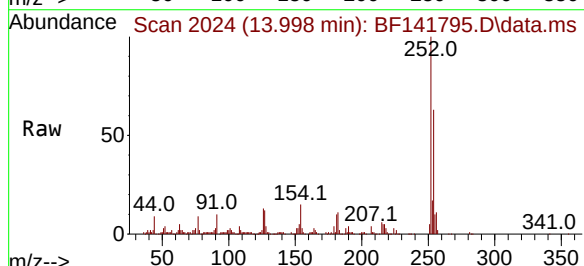
Tgt Ion:252 Resp: 152147

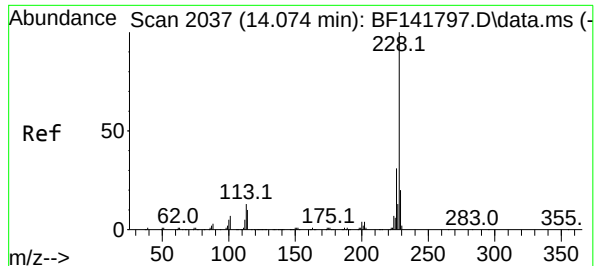
Ion Ratio Lower Upper

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 :

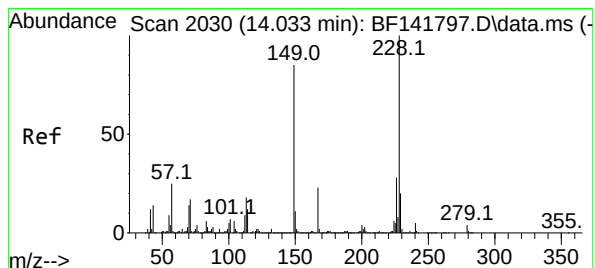
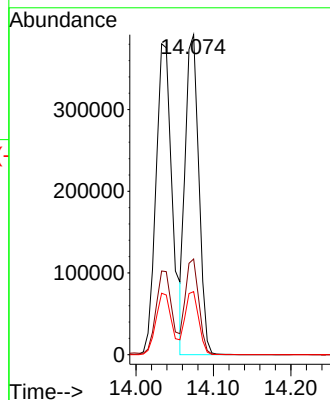
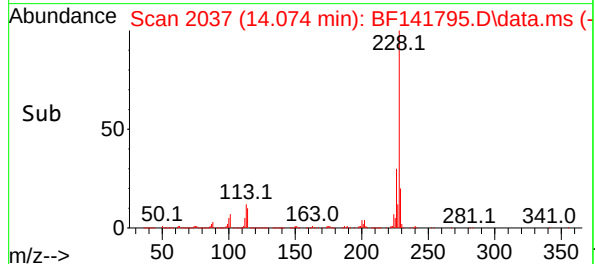
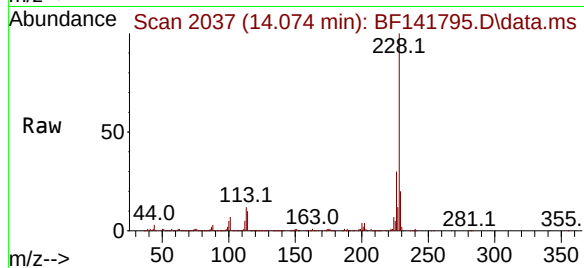
SSTDICC010

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

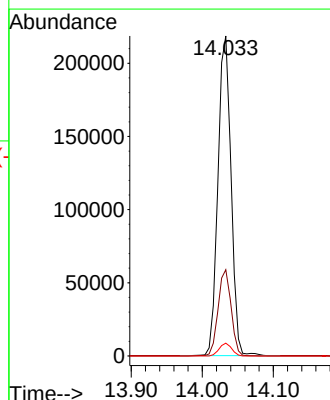
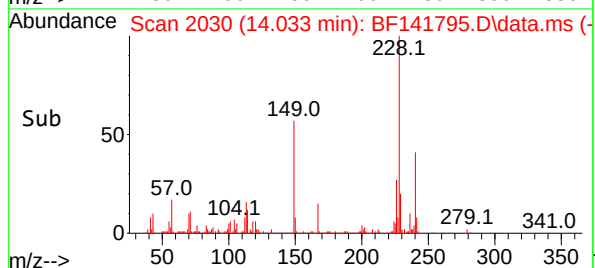
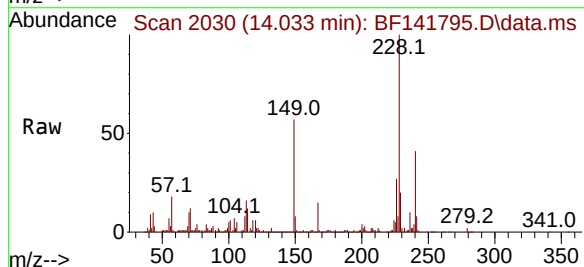
APPROVED

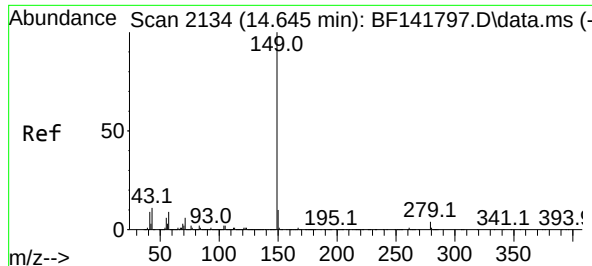
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

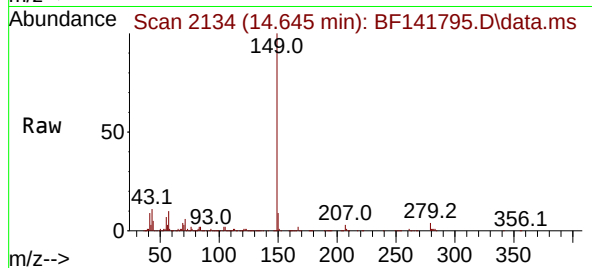
Tgt Ion:149 Resp: 278482
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.0 3.3 4.9





#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

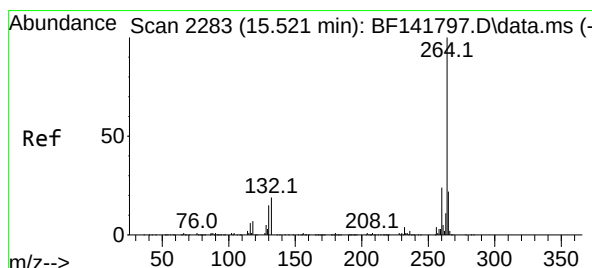
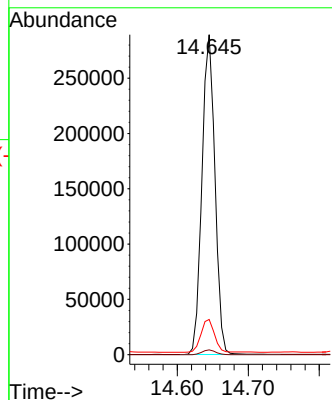
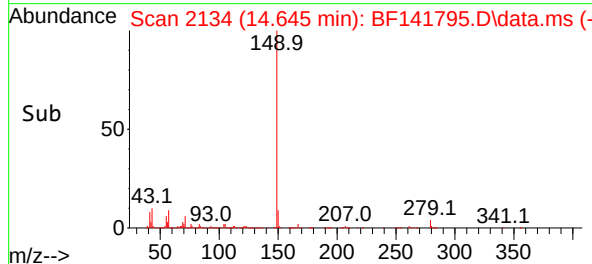
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

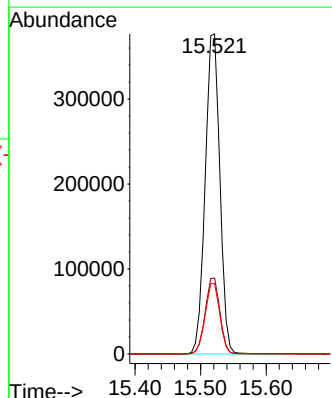
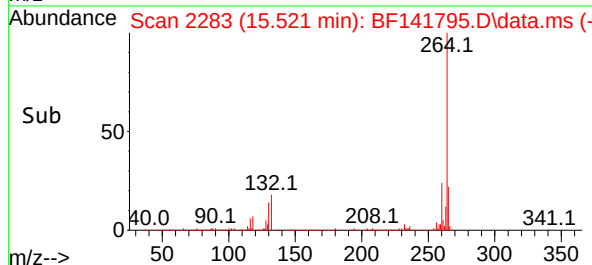
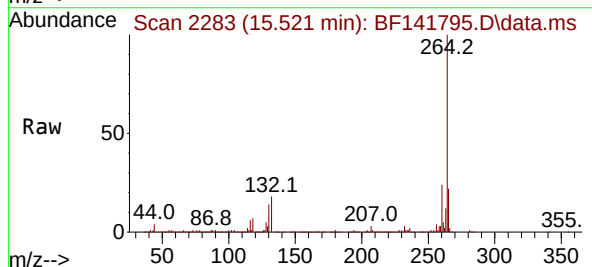
Manual Integrations
APPROVED

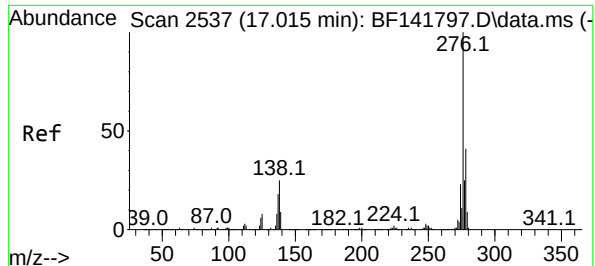
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

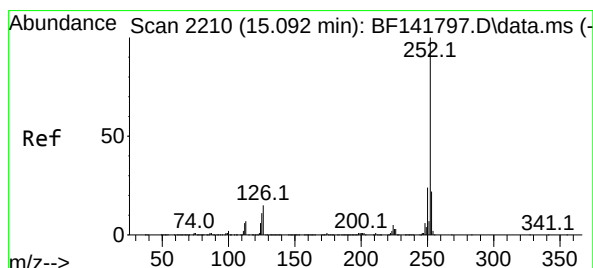
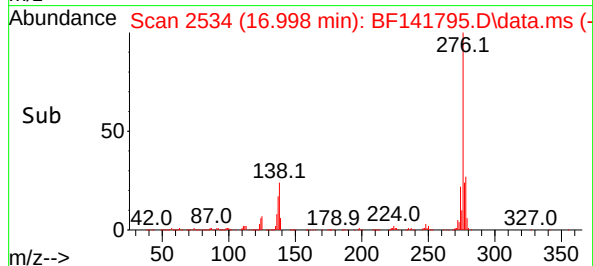
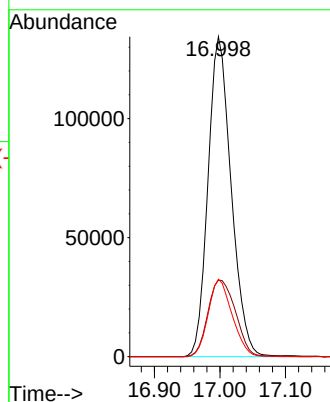
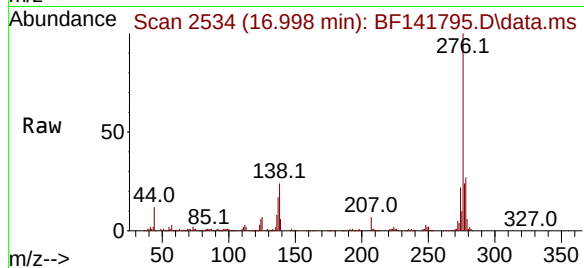
277 25.0 20.3 30.5

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

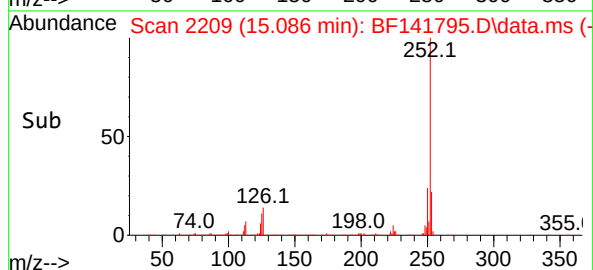
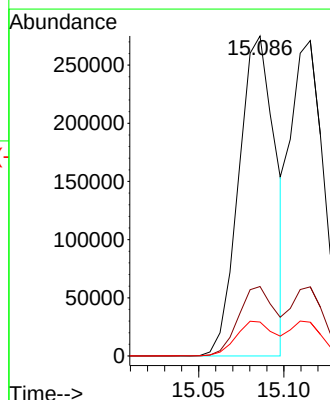
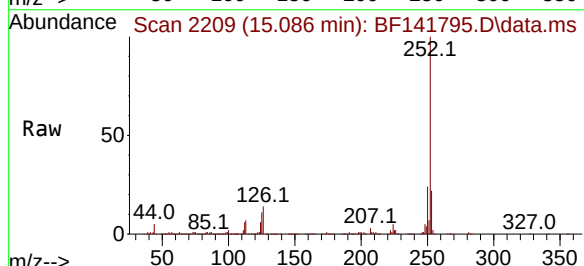
Tgt Ion:252 Resp: 409420

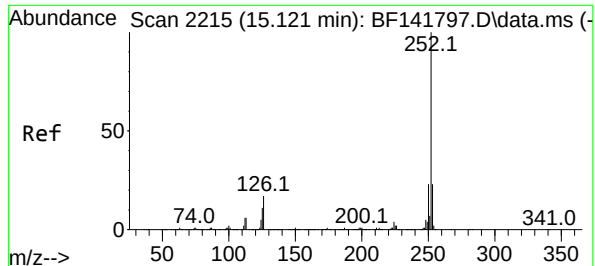
Ion Ratio Lower Upper

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# 2214

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

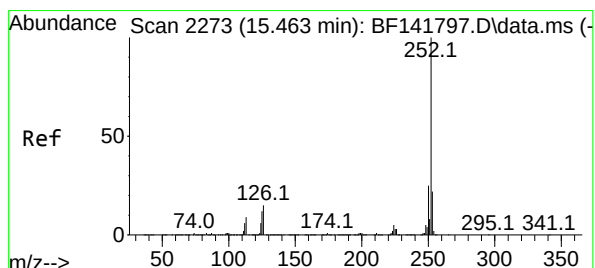
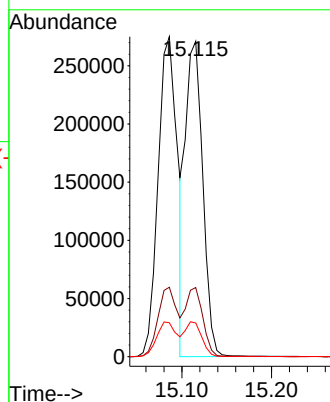
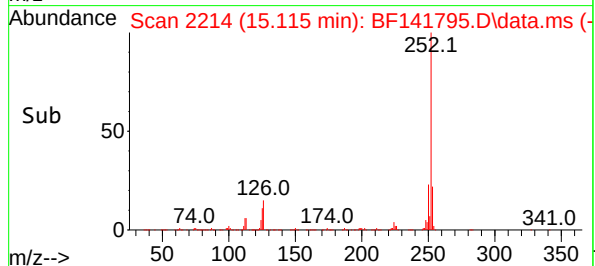
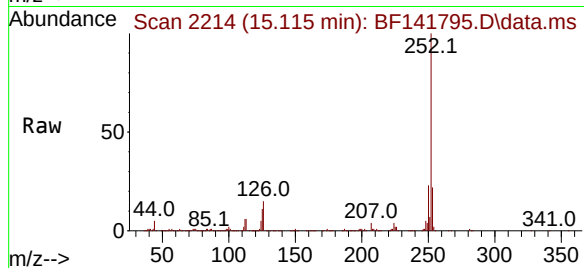
125 10.7 8.8 13.2

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

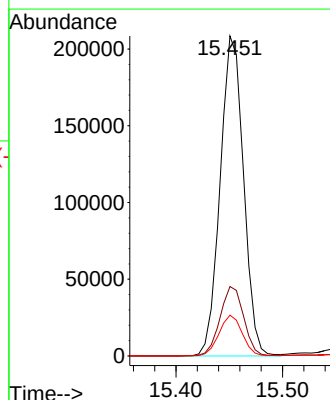
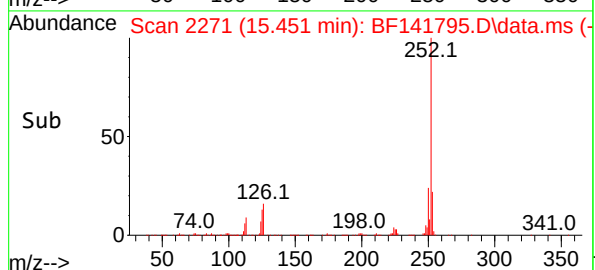
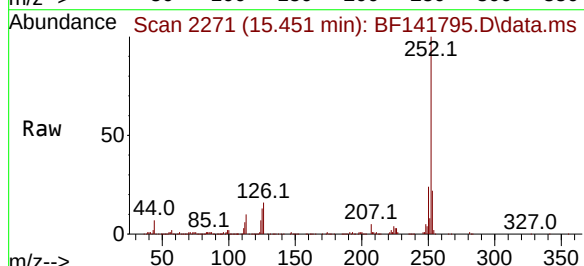
Tgt Ion:252 Resp: 317564

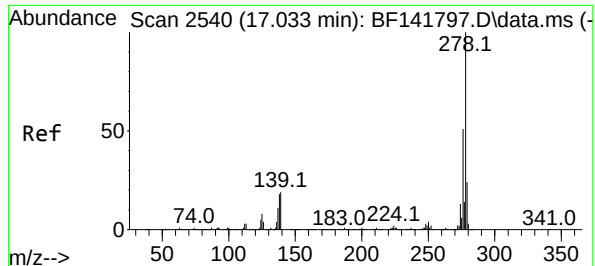
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

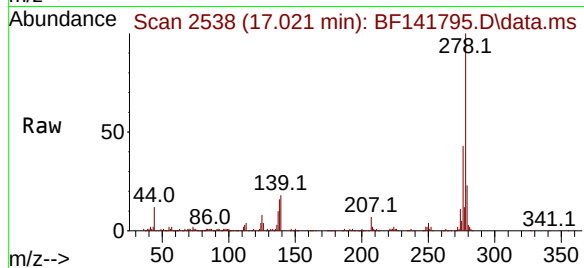
125 12.8 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 8.954 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

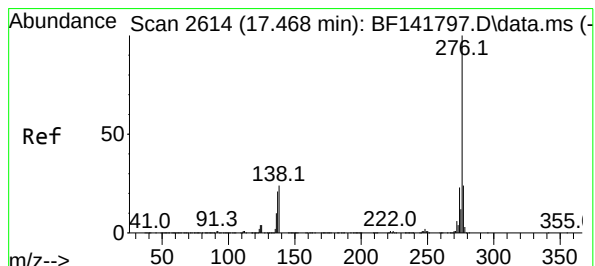
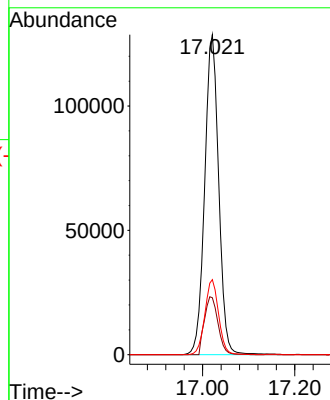
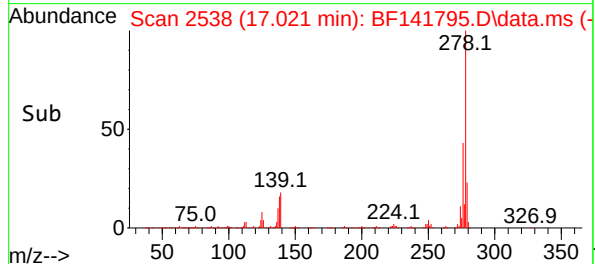
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

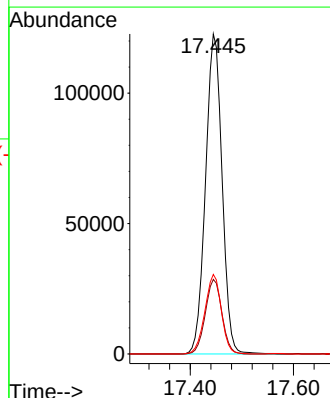
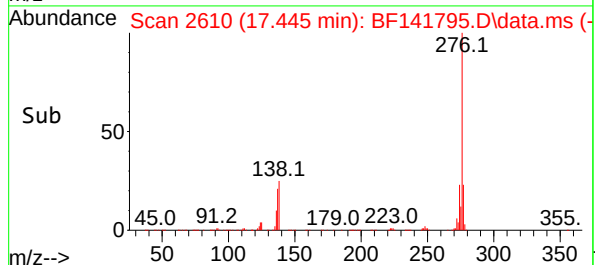
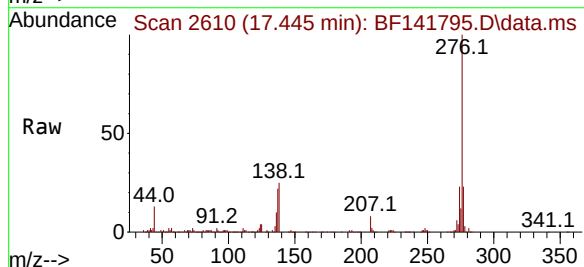
Manual Integrations
APPROVED

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

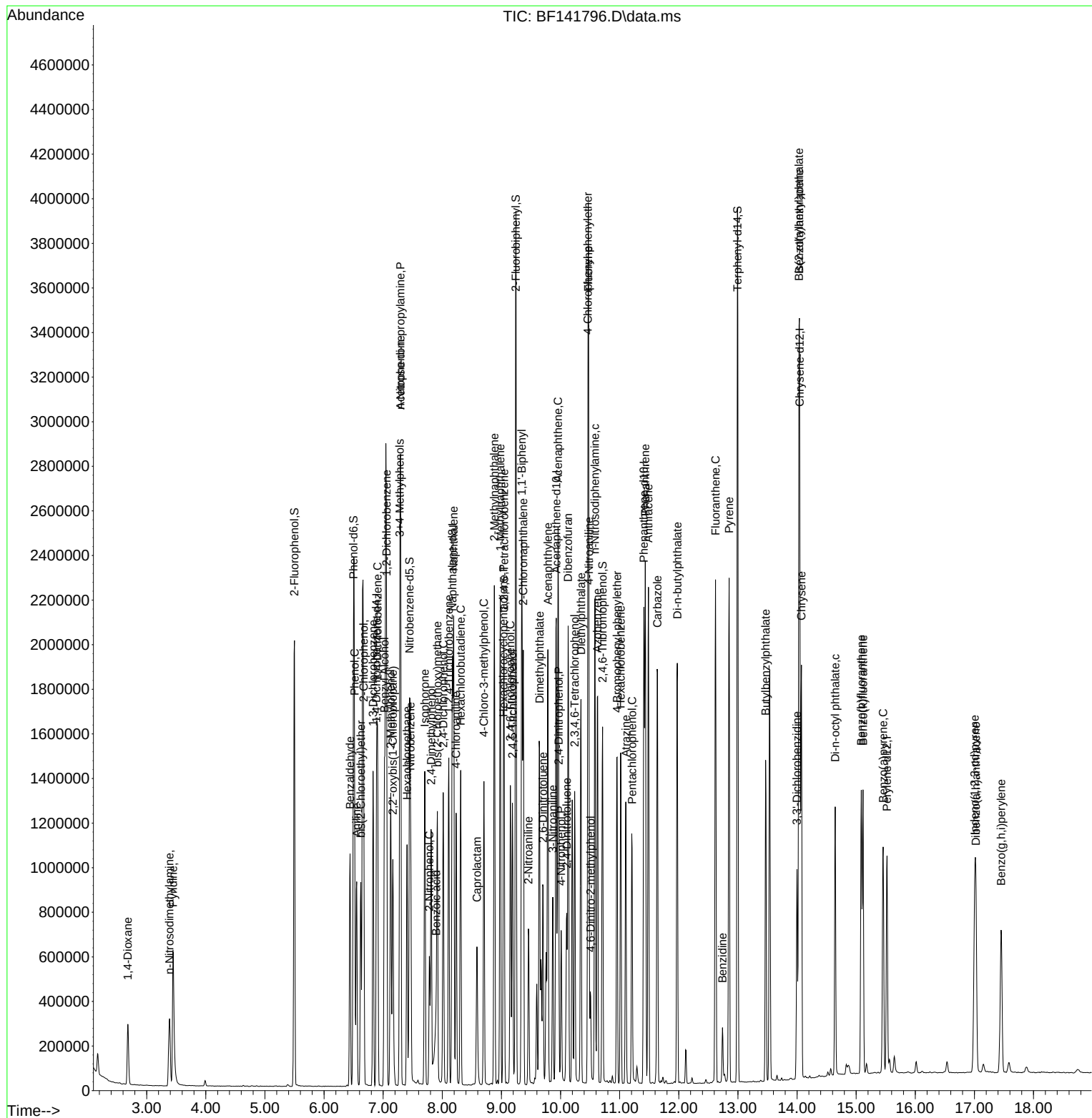
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
 Data File : BF141796.D
 Acq On : 27 Feb 2025 16:46
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

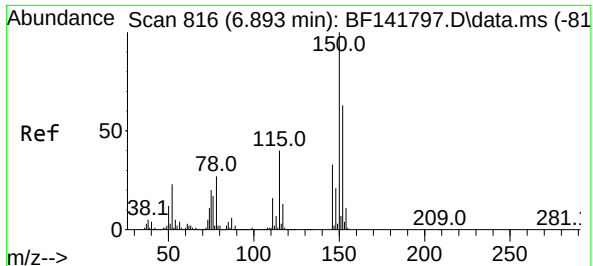
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

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

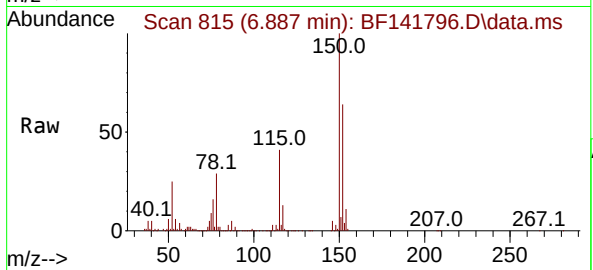
Quant Time: Feb 28 01:24:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:19:57 2025
 Response via : Initial Calibration





#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

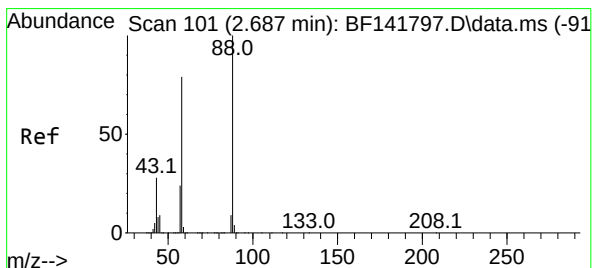
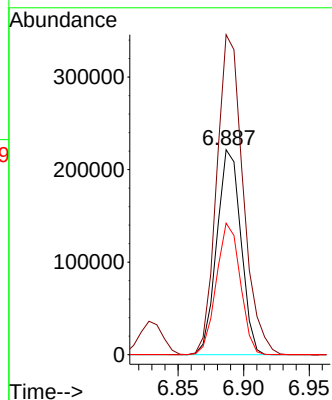
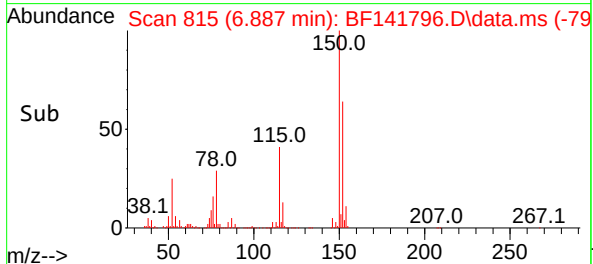
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

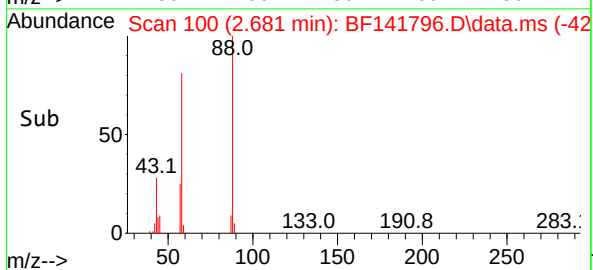
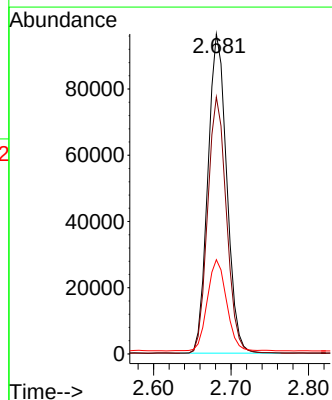
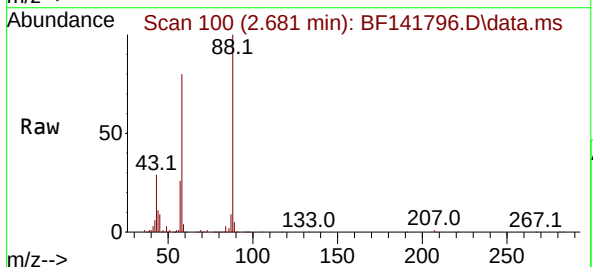
Manual Integrations
APPROVED

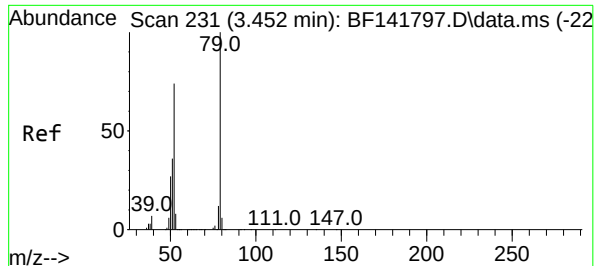
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

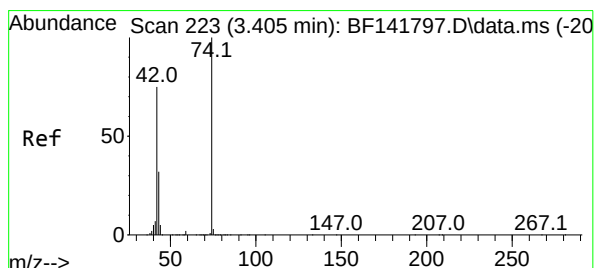
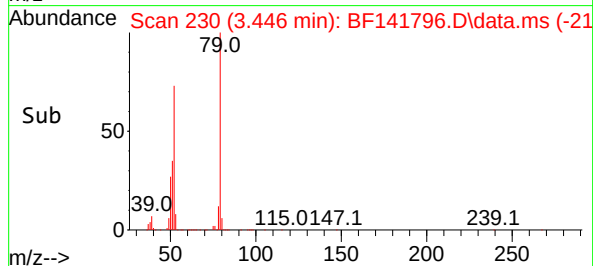
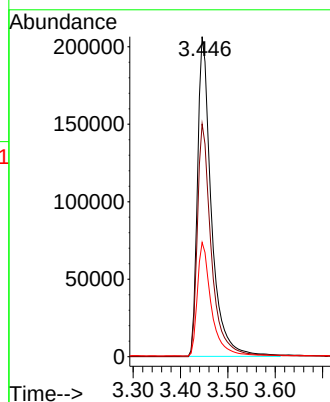
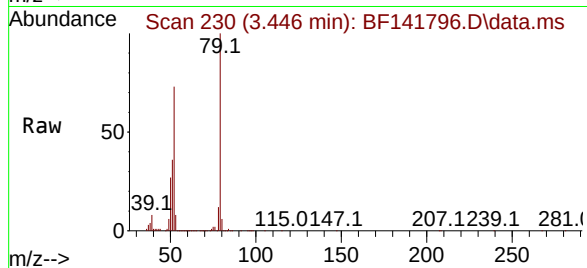
51 35.7 29.0 43.4

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

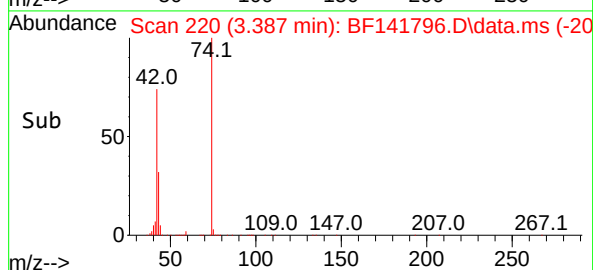
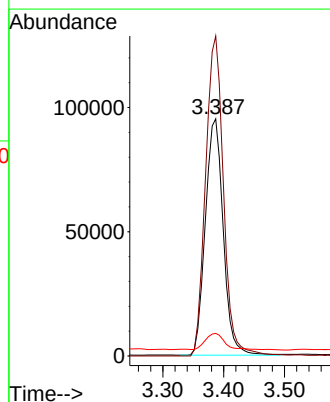
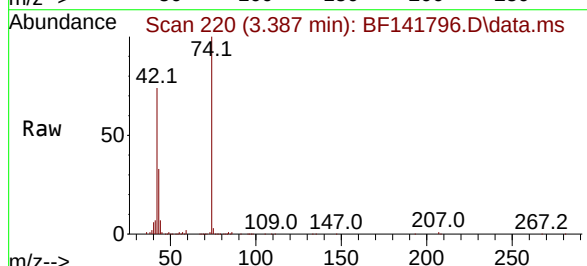
Tgt Ion: 42 Resp: 194836

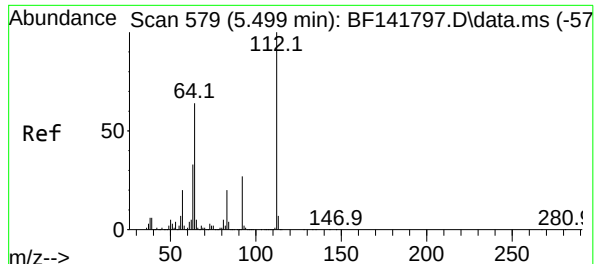
Ion Ratio Lower Upper

42 100

74 135.0 107.1 160.7

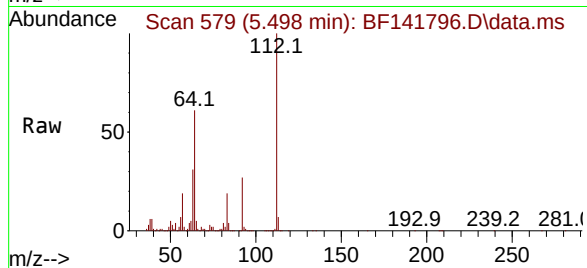
44 9.5 6.6 9.8





#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

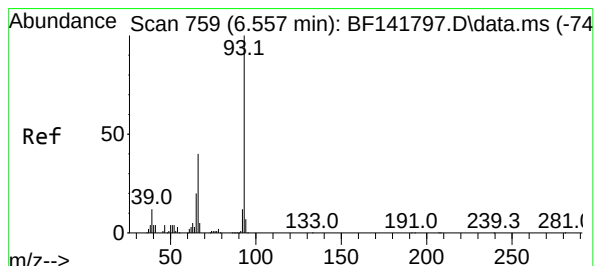
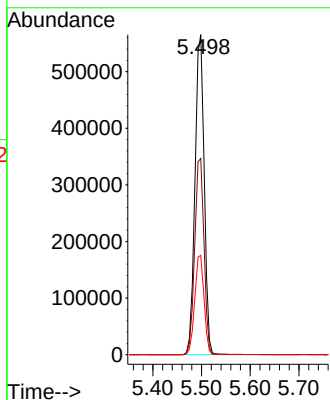
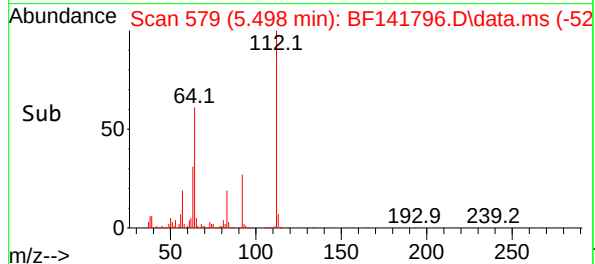
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

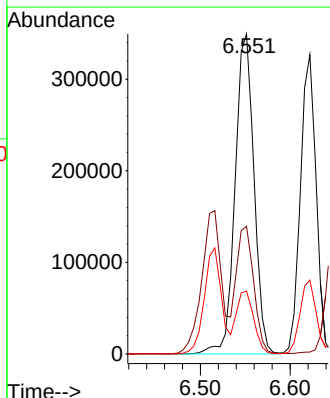
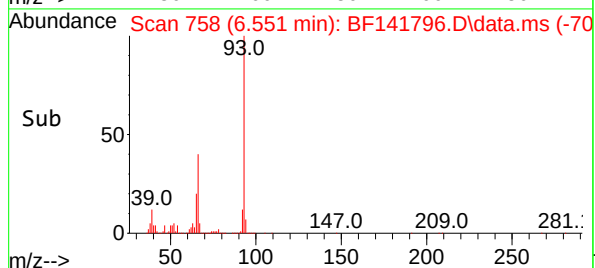
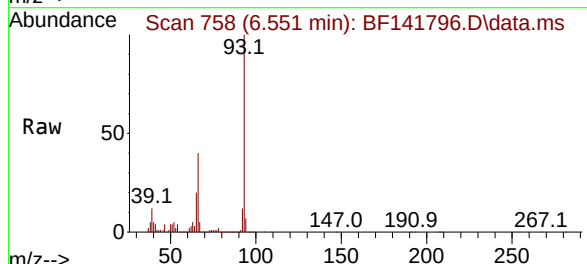
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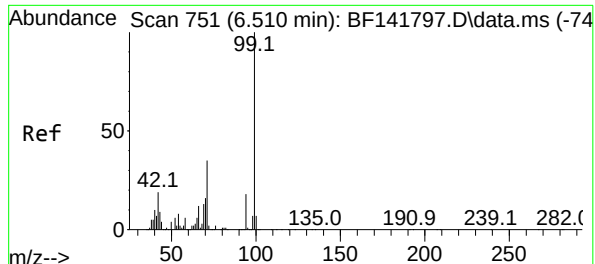
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

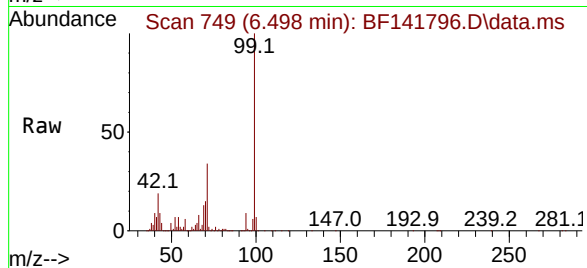
Tgt Ion: 93 Resp: 510018
Ion Ratio Lower Upper
93 100
66 39.9 32.3 48.5
65 19.7 15.9 23.9





#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

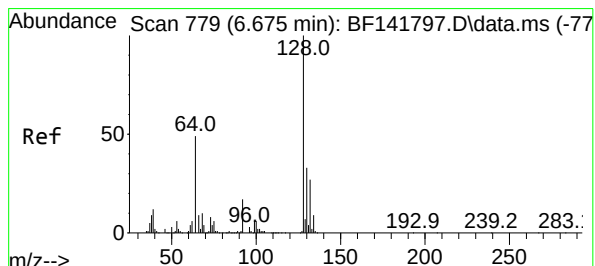
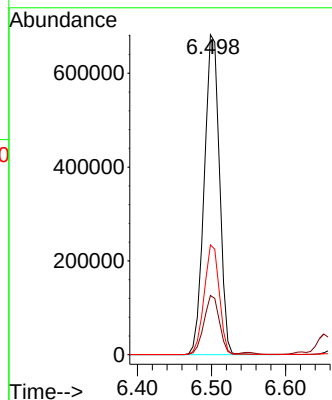
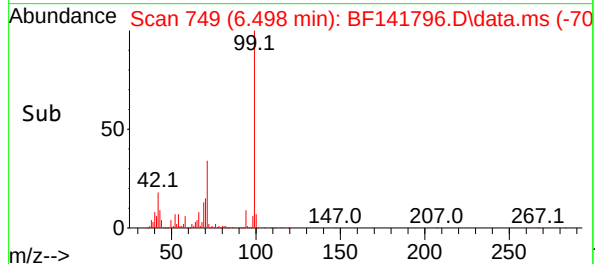
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



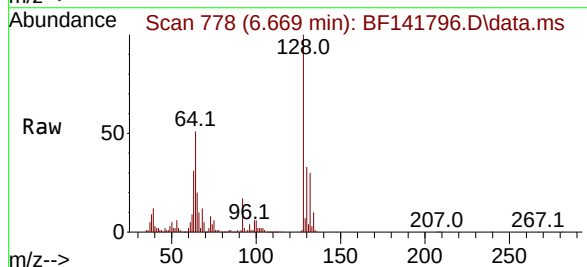
Tgt Ion: 99 Resp: 976719
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 34.3 28.2 42.2

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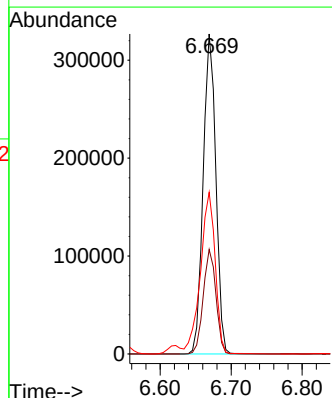
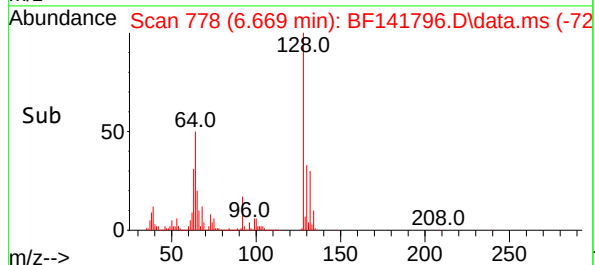
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

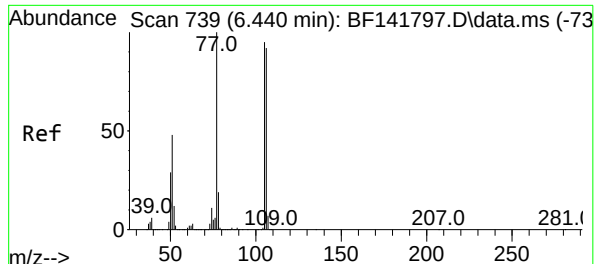


#8
2-Chlorophenol
Concen: 21.241 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



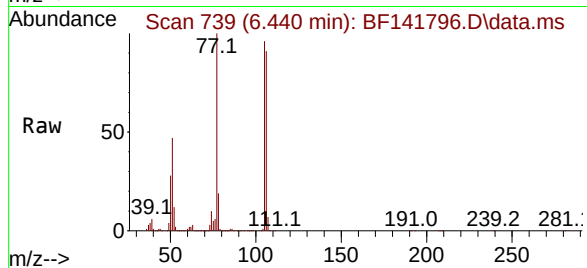
Tgt Ion:128 Resp: 406583
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 50.5 31.1 71.1





#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

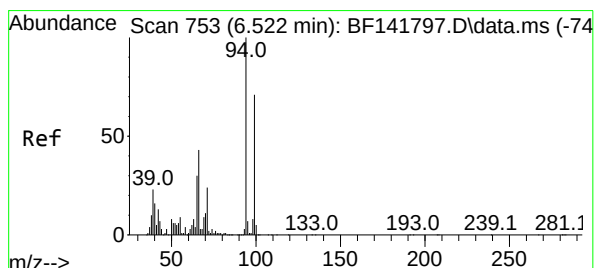
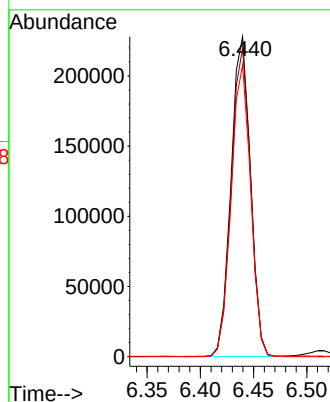
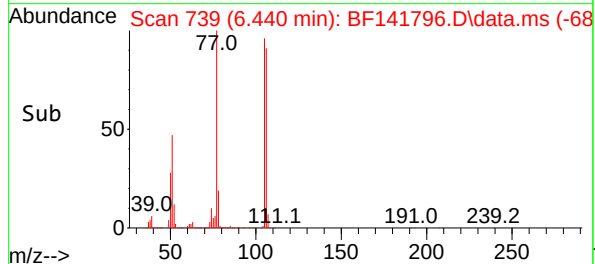
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 289240
Ion Ratio Lower Upper
77 100
105 96.4 75.3 115.3
106 91.1 72.3 112.3

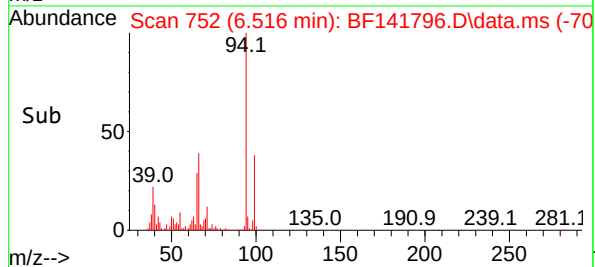
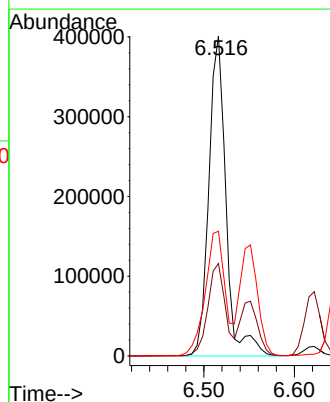
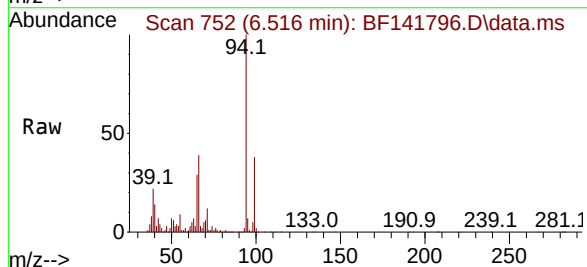
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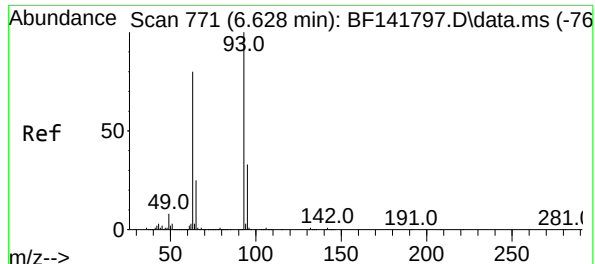
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

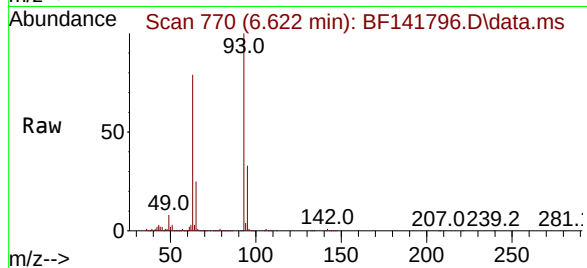
Tgt Ion: 94 Resp: 527399
Ion Ratio Lower Upper
94 100
65 28.9 10.2 50.2
66 39.0 23.2 63.2





#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

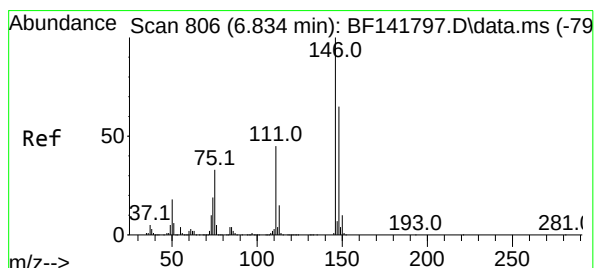
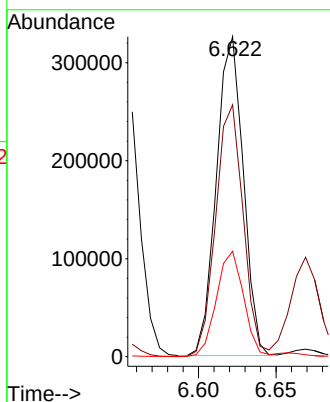
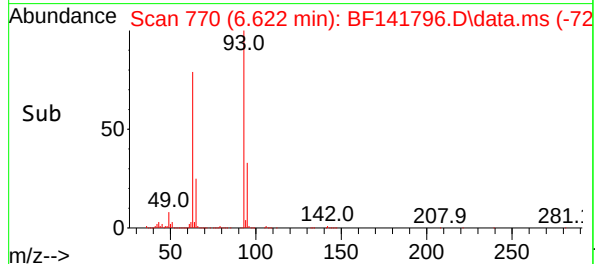
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



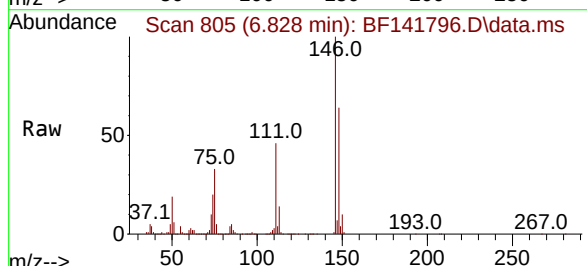
Tgt Ion: 93 Resp: 393290
Ion Ratio Lower Upper
93 100
63 78.7 59.3 99.3
95 32.9 13.2 53.2

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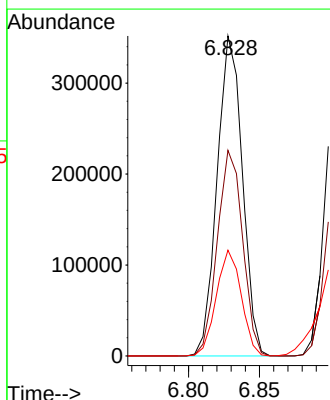
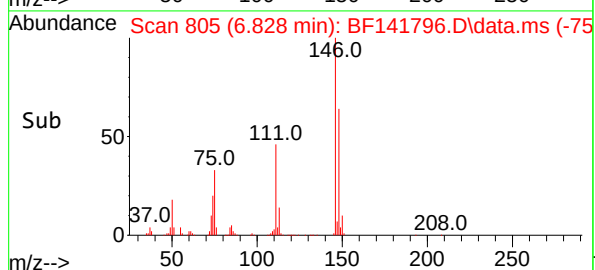
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

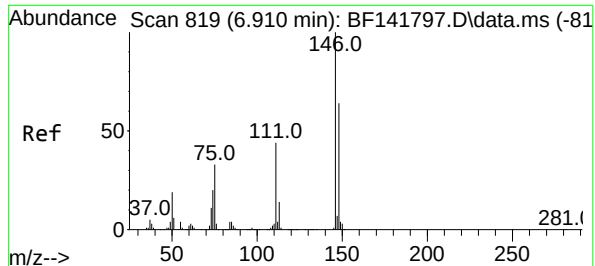


#12
1,3-Dichlorobenzene
Concen: 21.247 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



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

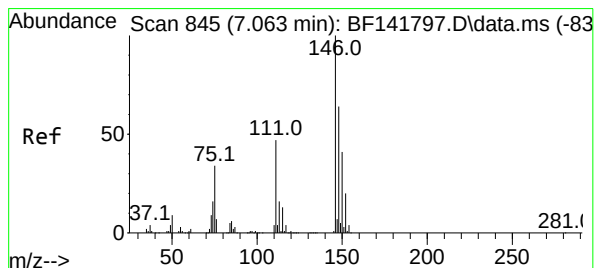
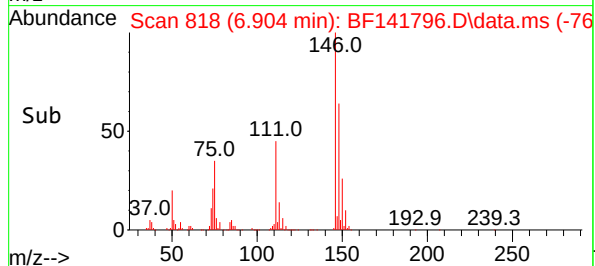
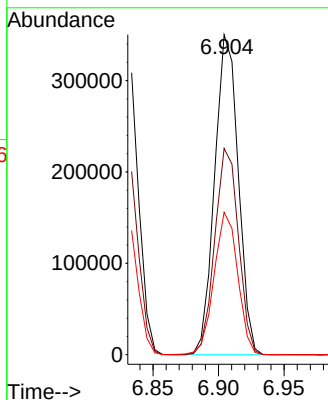
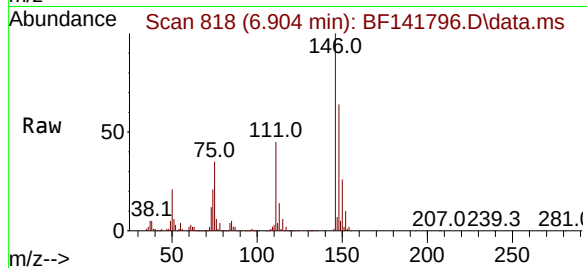
111 44.5 35.5 53.3

Manual Integrations

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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

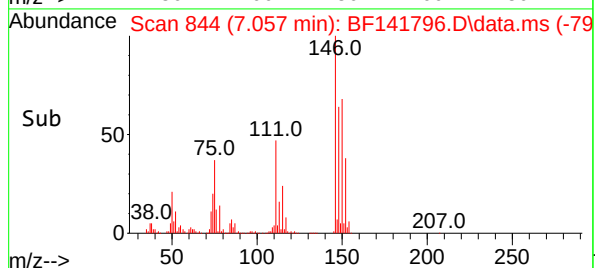
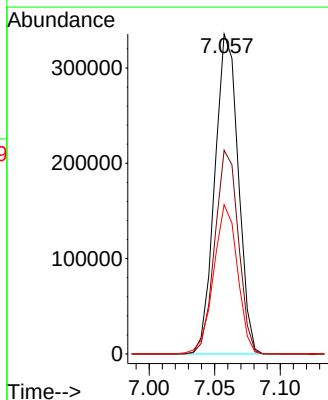
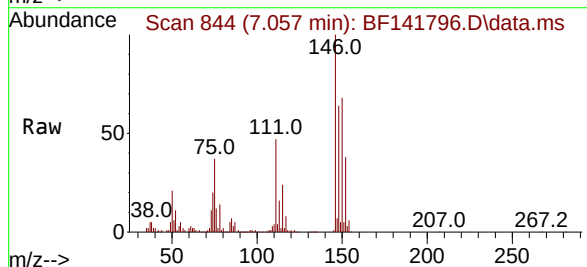
Tgt Ion:146 Resp: 416995

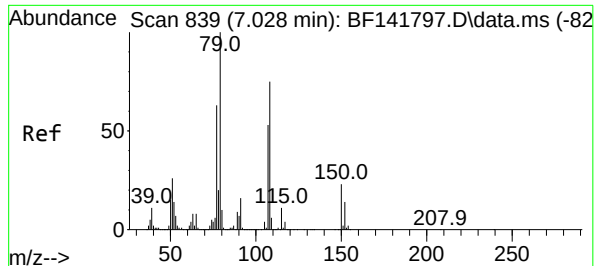
Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

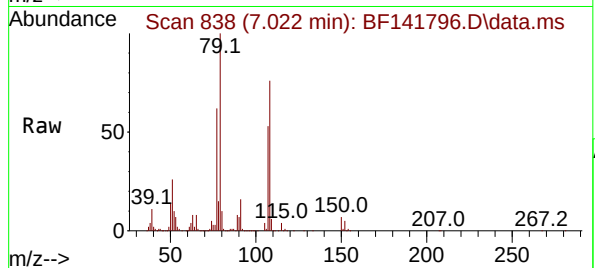
111 46.6 37.8 56.6





#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

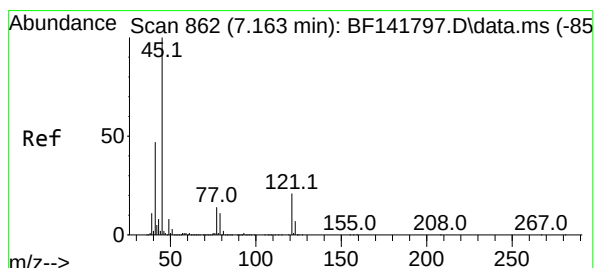
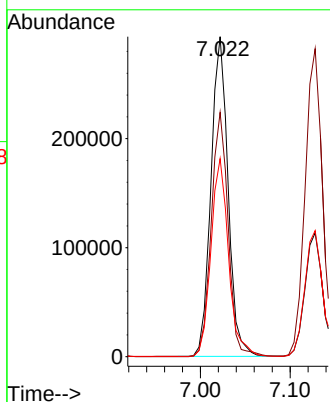
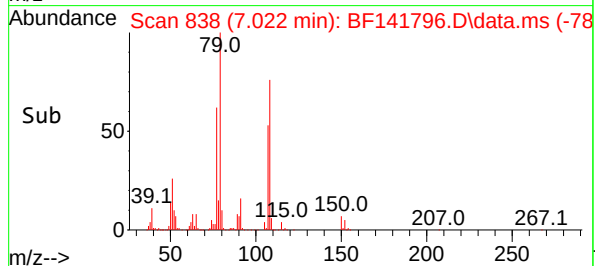
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

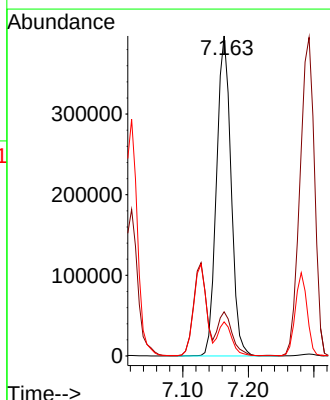
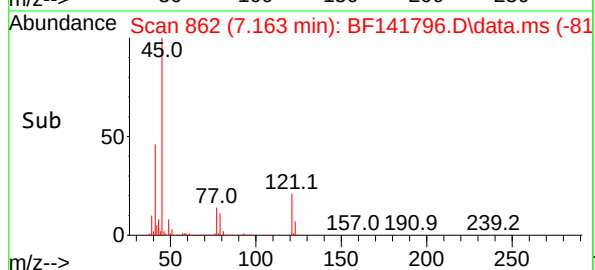
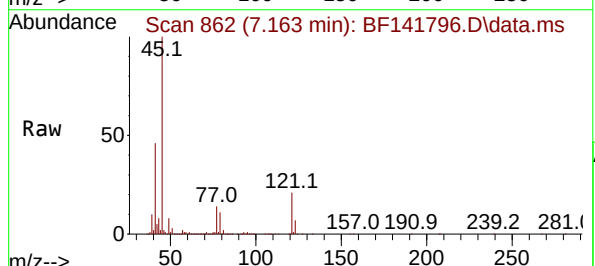
Manual Integrations
APPROVED

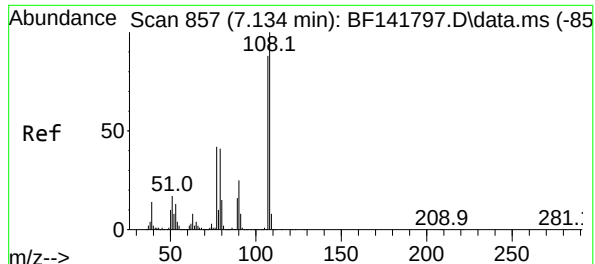
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

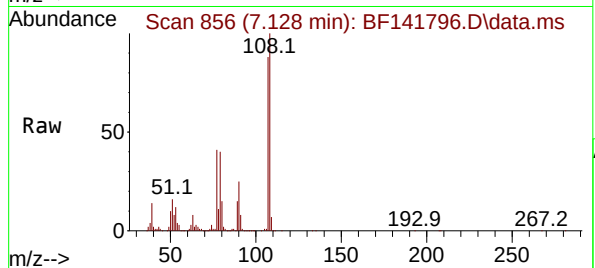
Tgt Ion: 45 Resp: 607289
Ion Ratio Lower Upper
45 100
77 13.8 0.0 34.4
79 10.7 0.0 30.9





#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

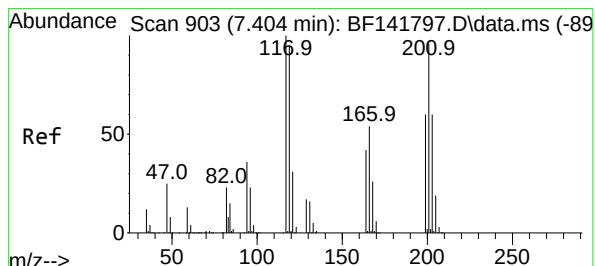
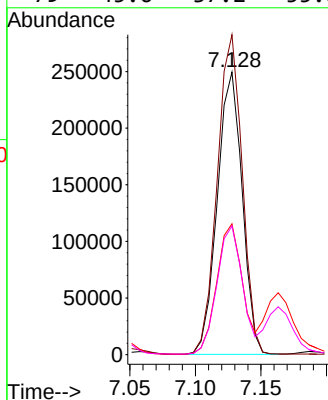
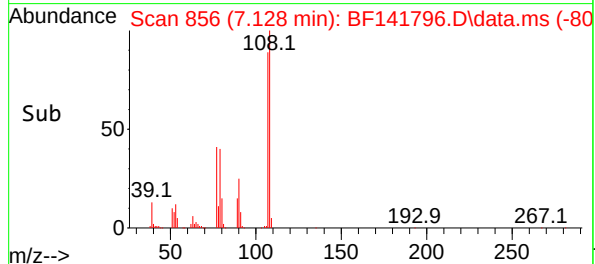
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

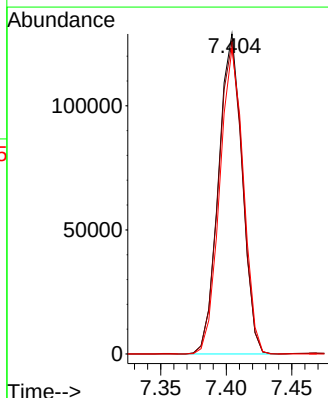
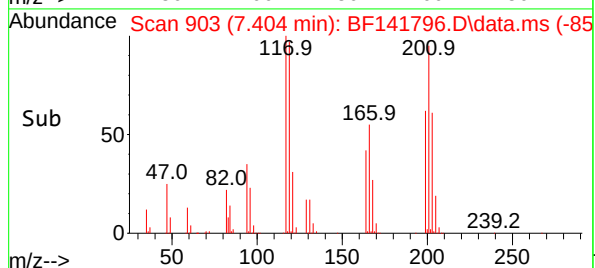
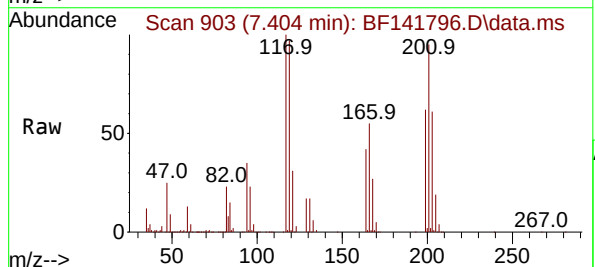
Manual Integrations
APPROVED

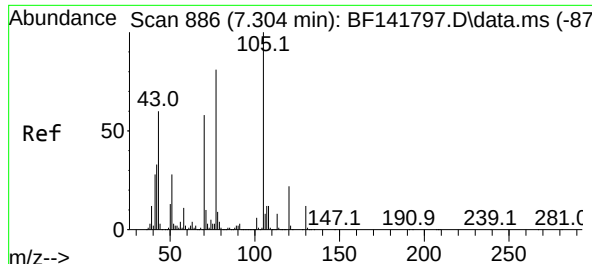
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

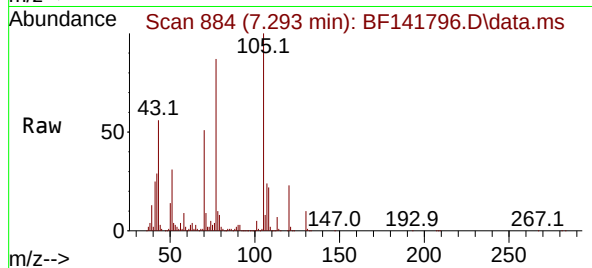
Tgt Ion:117 Resp: 162363
Ion Ratio Lower Upper
117 100
119 97.5 75.8 113.8
201 95.4 76.7 115.1





#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

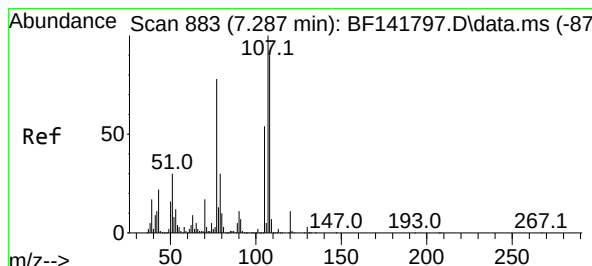
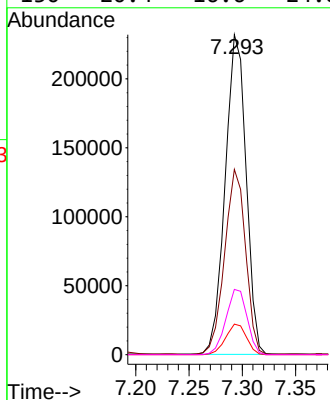
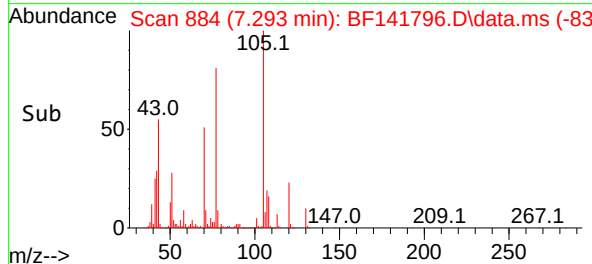
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

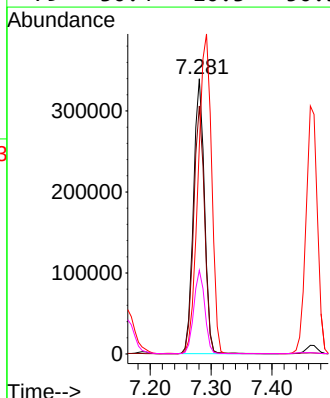
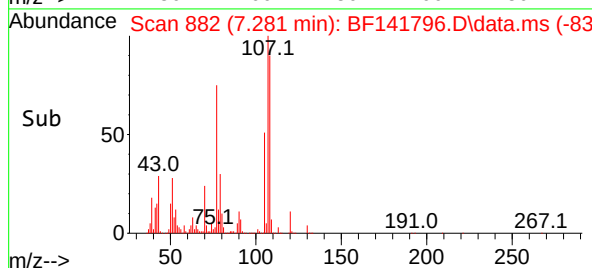
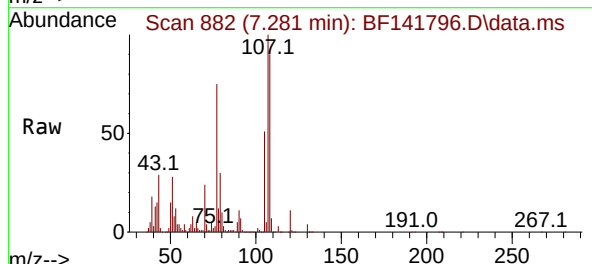
Manual Integrations
APPROVED

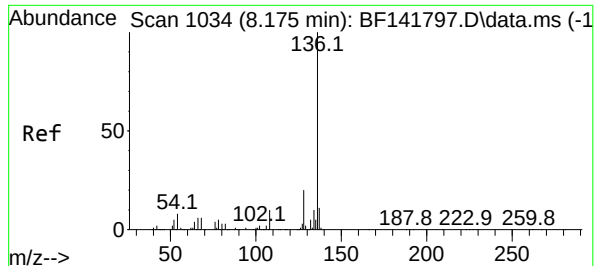
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

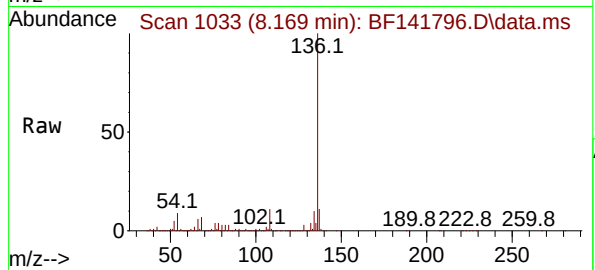
Tgt Ion:107 Resp: 425612
Ion Ratio Lower Upper
107 100
108 90.1 69.7 109.7
77 75.5 58.3 98.3
79 30.4 10.3 50.3





#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

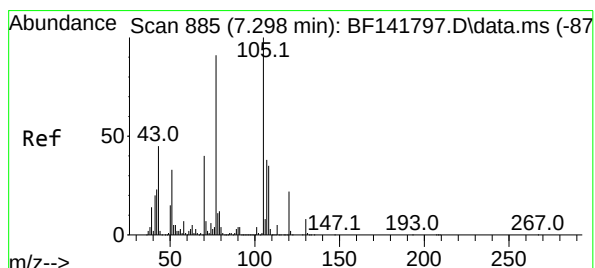
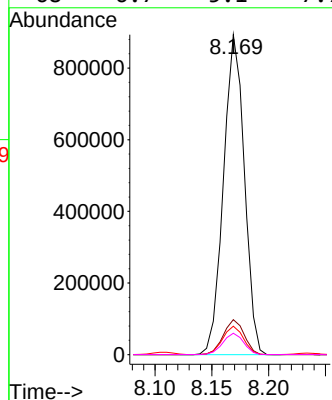
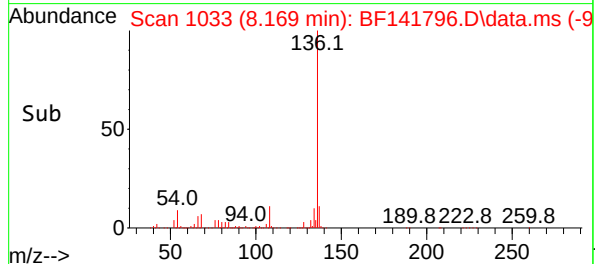
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

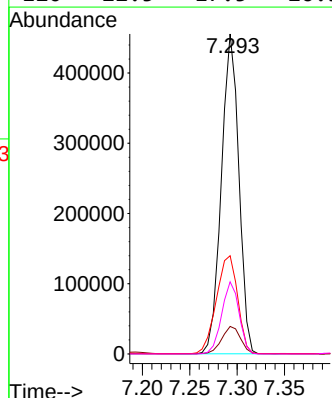
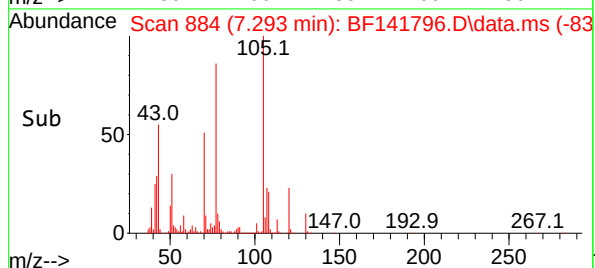
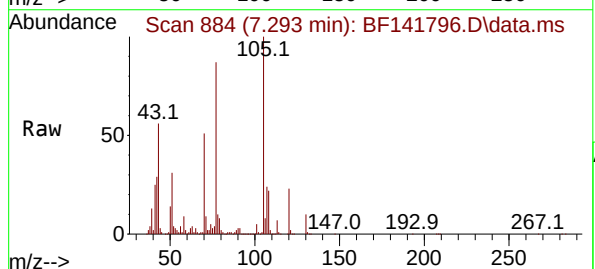
Manual Integrations
APPROVED

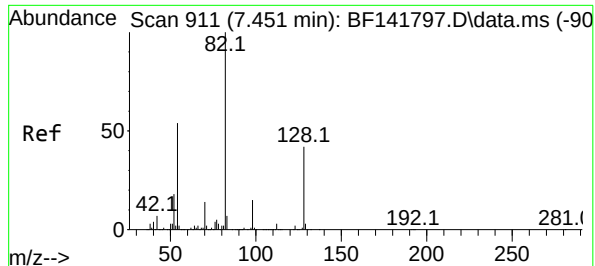
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

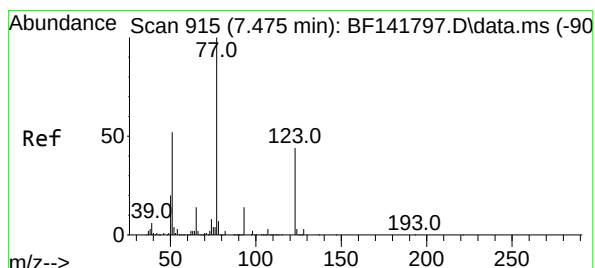
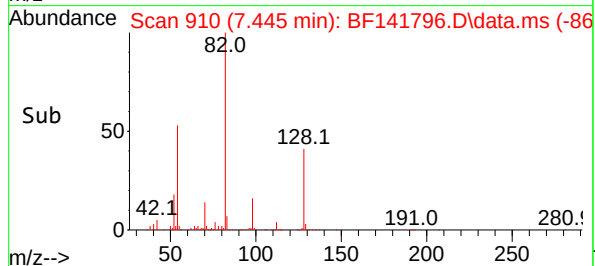
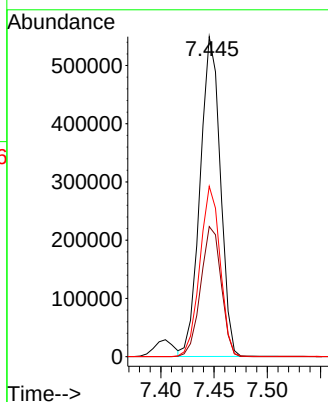
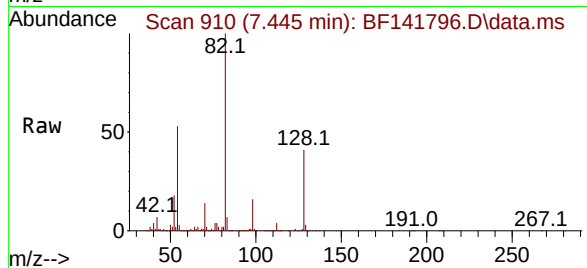
54 53.3 42.7 64.1

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

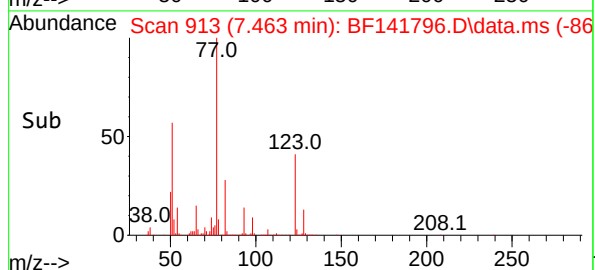
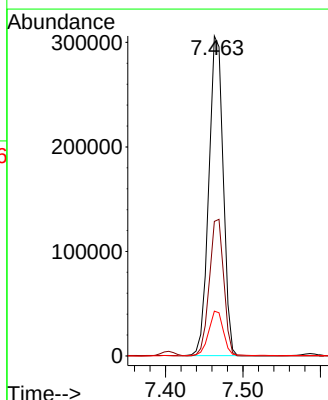
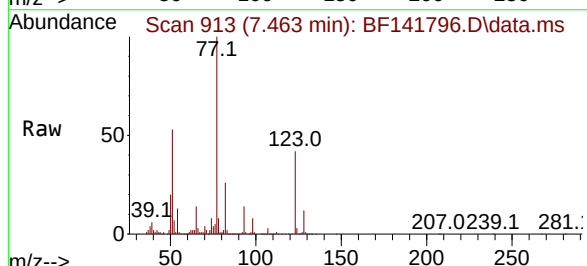
Tgt Ion: 77 Resp: 395521

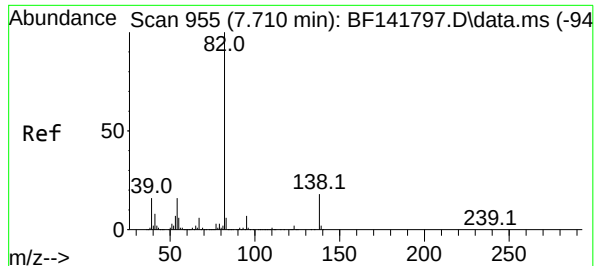
Ion Ratio Lower Upper

77 100

123 42.1 35.8 53.8

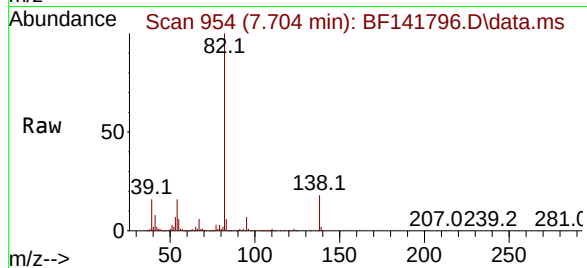
65 14.0 11.2 16.8





#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

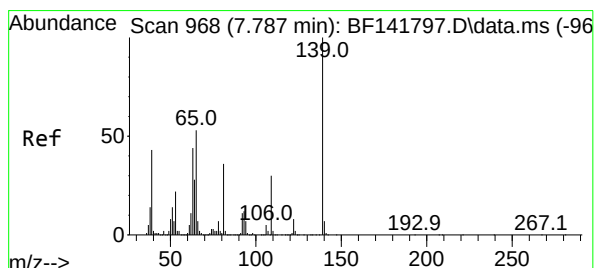
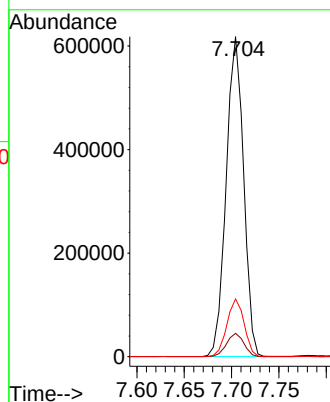
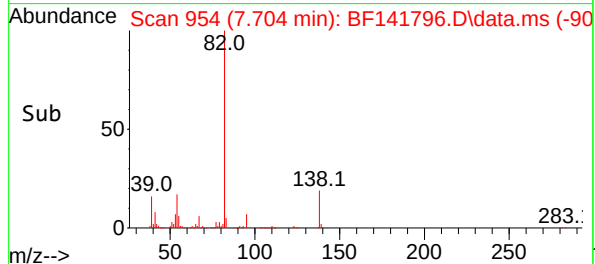
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

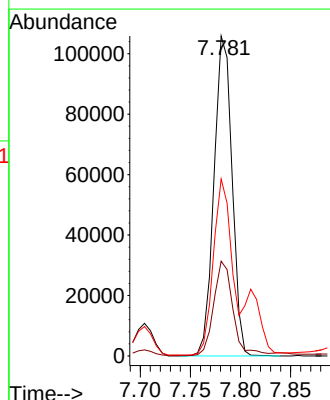
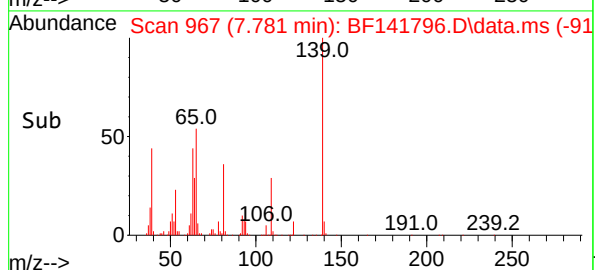
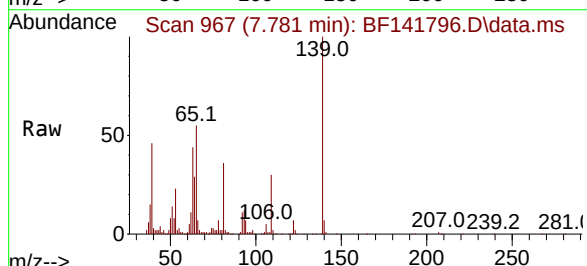
Manual Integrations
APPROVED

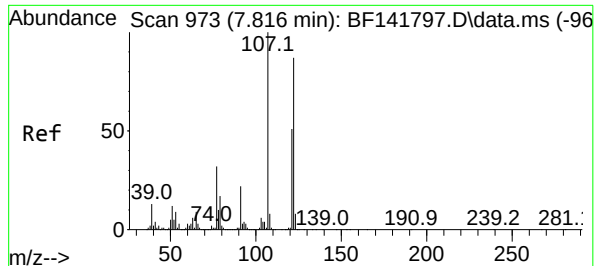
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

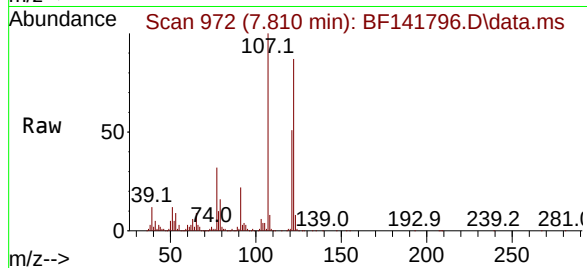
Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:122 Resp: 292960

Ion Ratio Lower Upper

122 100

107 115.0 92.5 138.7

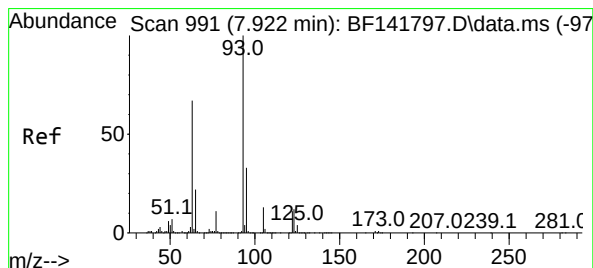
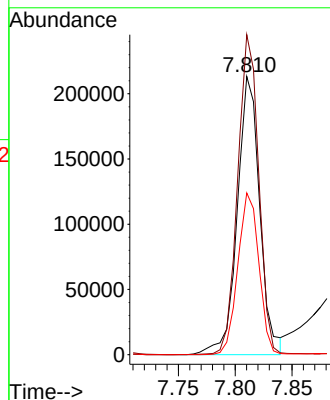
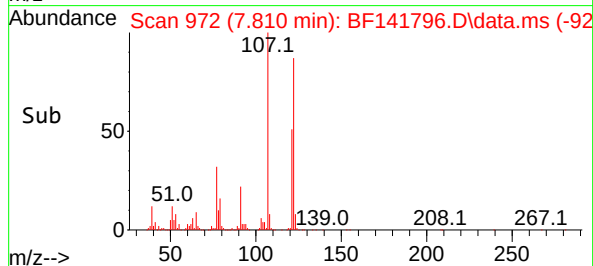
121 58.1 47.1 70.7

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

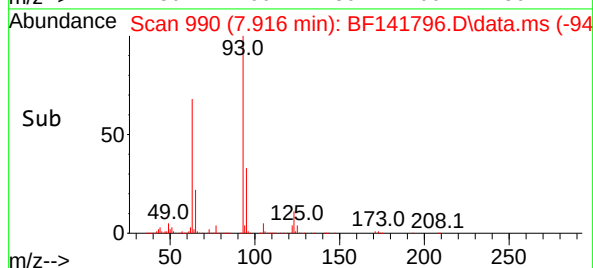
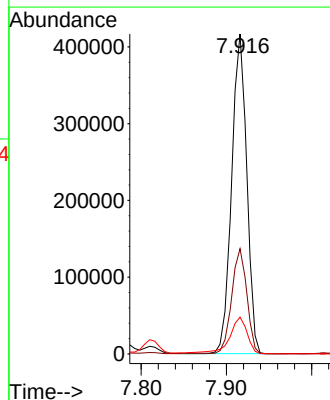
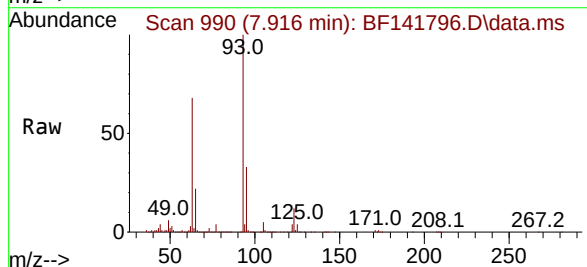
Tgt Ion: 93 Resp: 513944

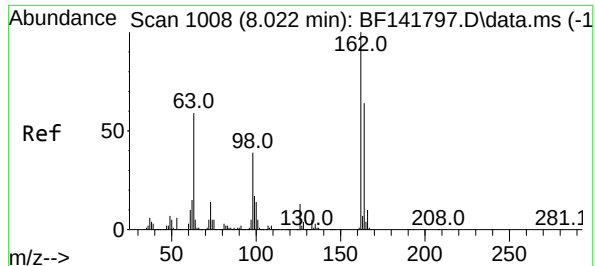
Ion Ratio Lower Upper

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

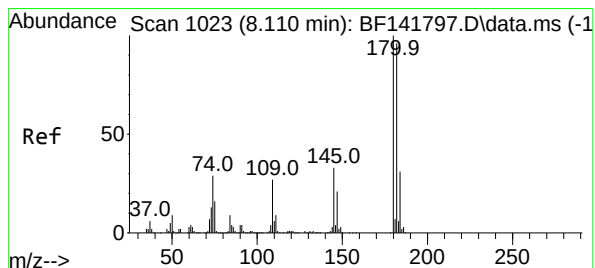
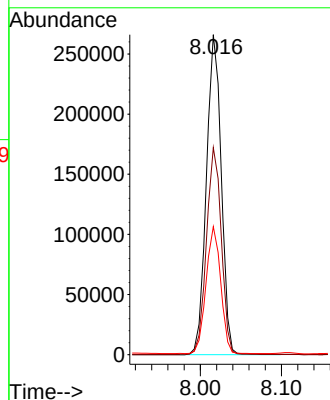
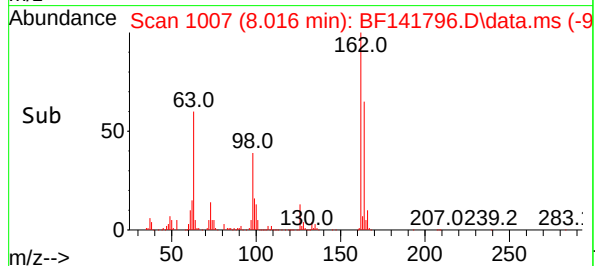
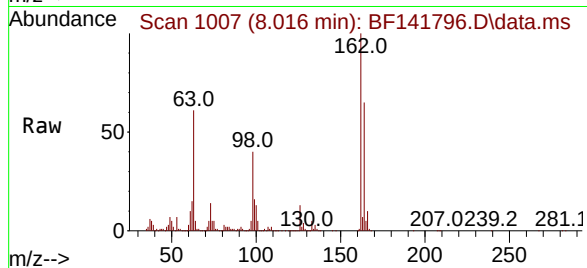
98 40.0 19.6 59.6

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

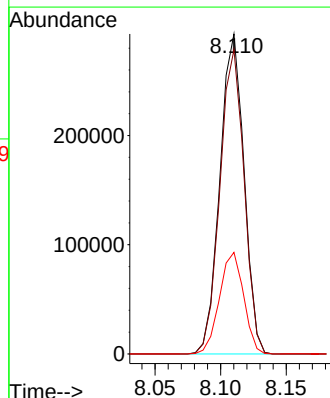
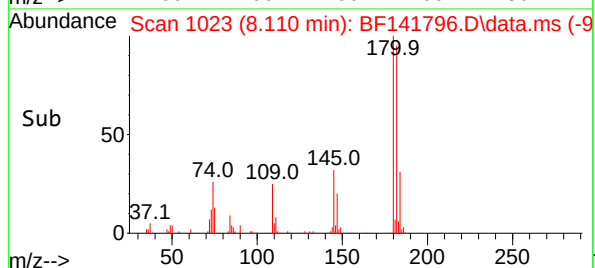
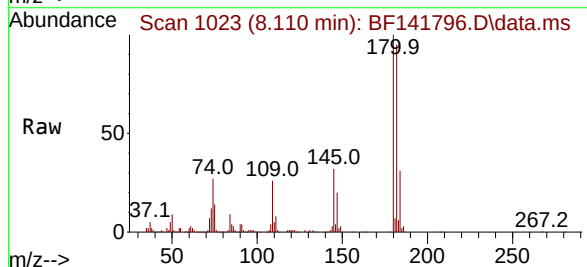
Tgt Ion:180 Resp: 374188

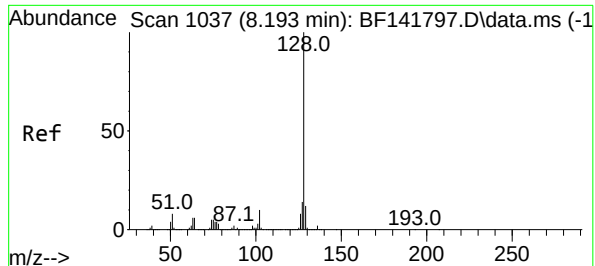
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

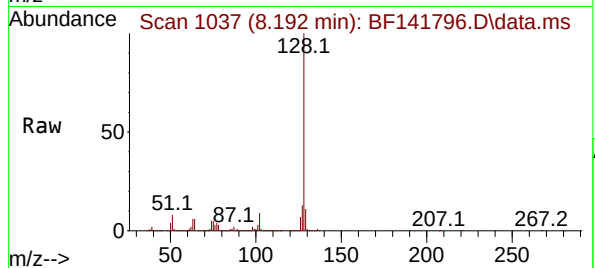
145 31.8 26.4 39.6





#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

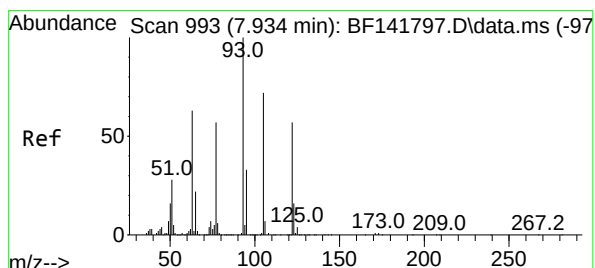
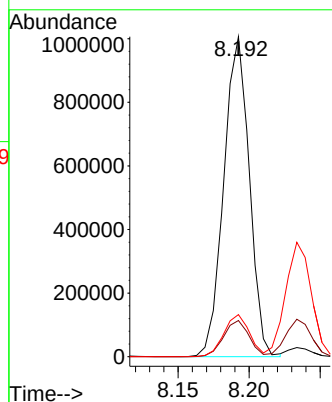
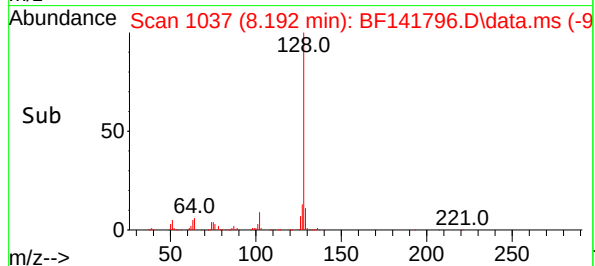
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

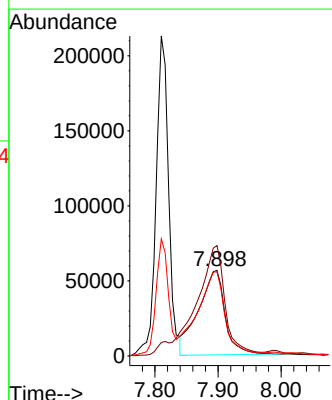
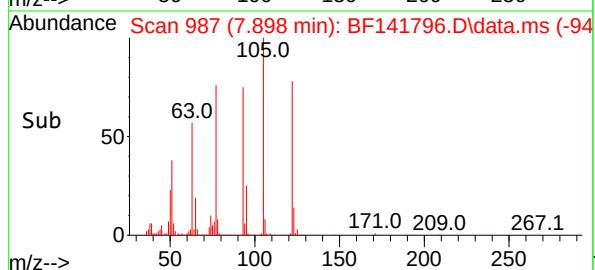
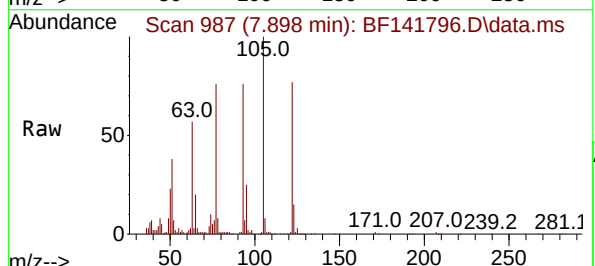
Manual Integrations
APPROVED

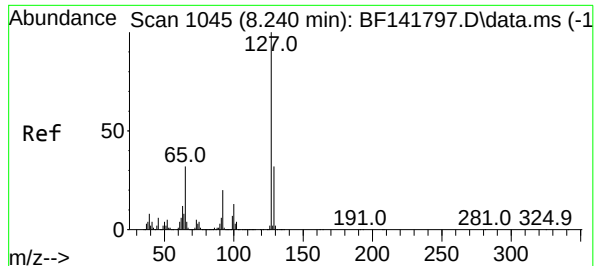
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

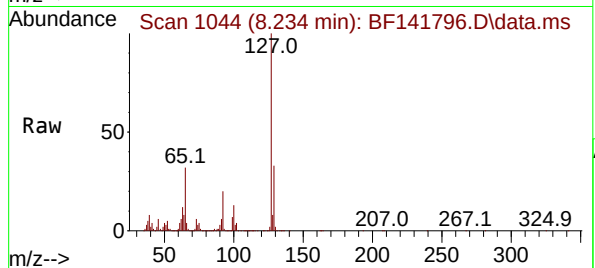
Tgt Ion:122 Resp: 165613
Ion Ratio Lower Upper
122 100
105 129.2 105.8 145.8
77 98.4 79.9 119.9





#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

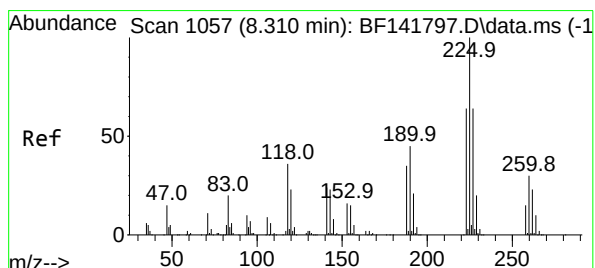
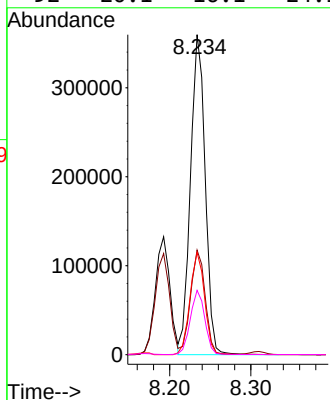
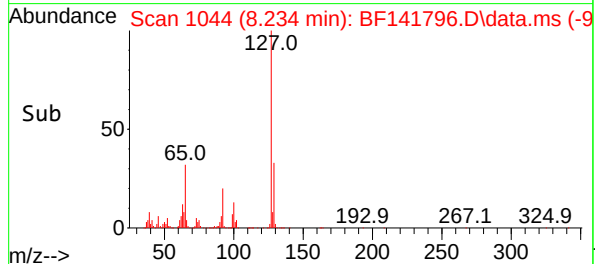
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

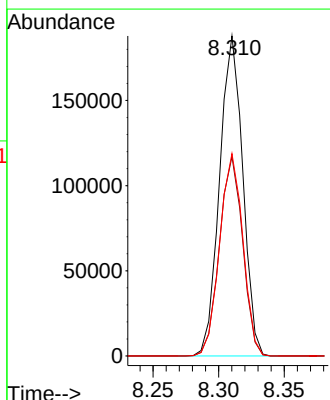
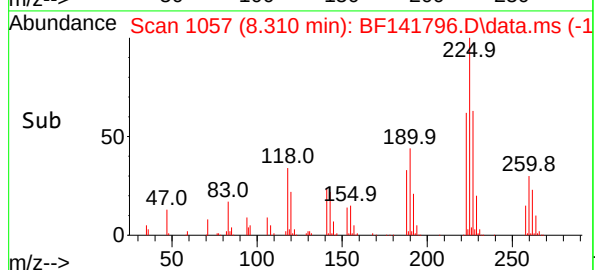
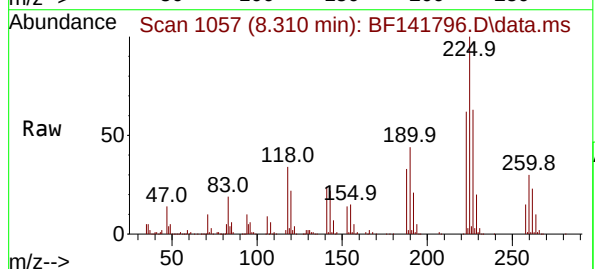
Manual Integrations
APPROVED

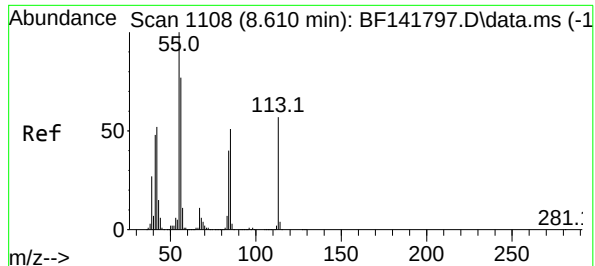
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

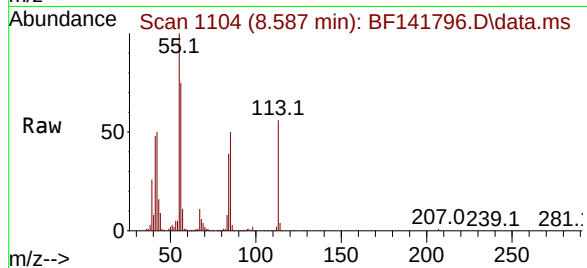
Tgt Ion:225 Resp: 230541
Ion Ratio Lower Upper
225 100
223 62.3 51.4 77.2
227 63.2 51.6 77.4





#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

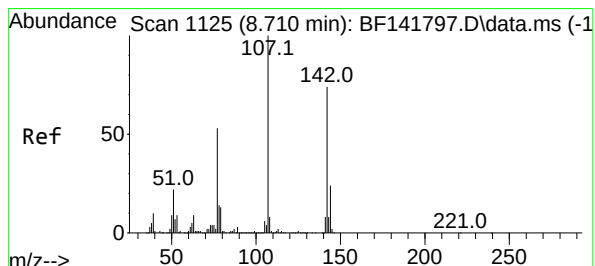
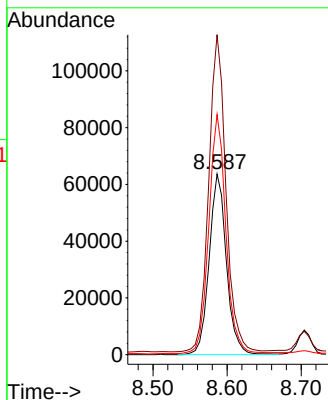
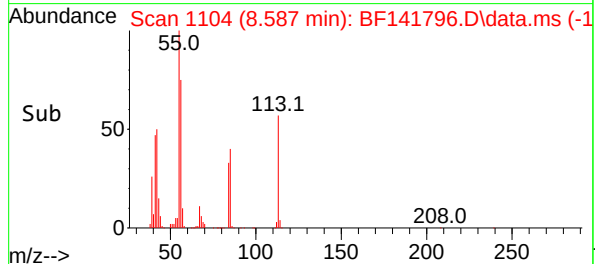
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

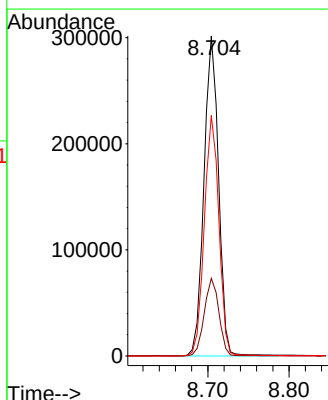
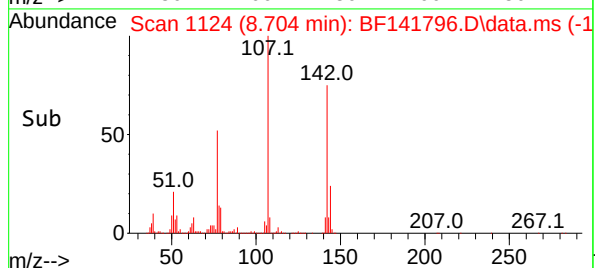
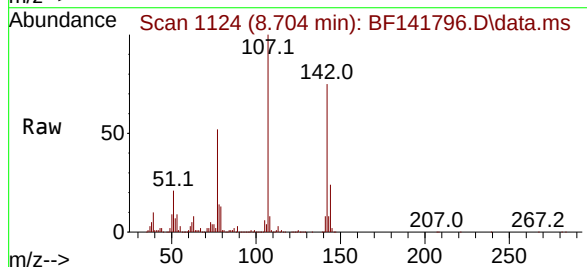
Manual Integrations
APPROVED

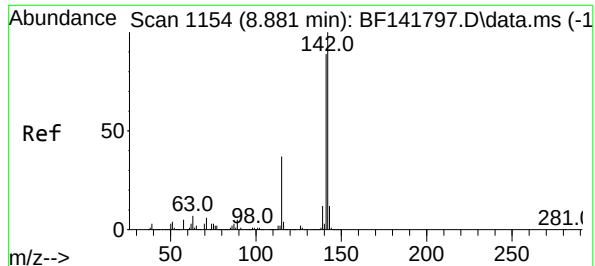
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

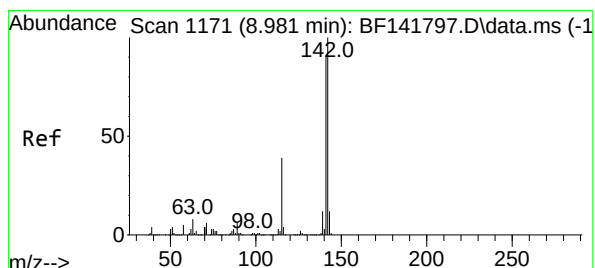
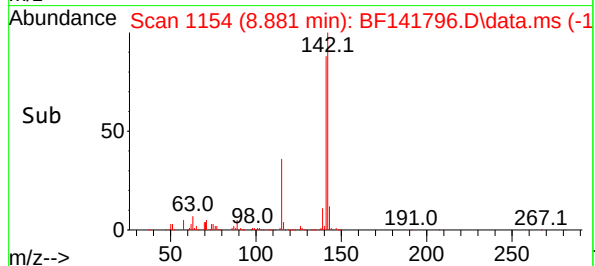
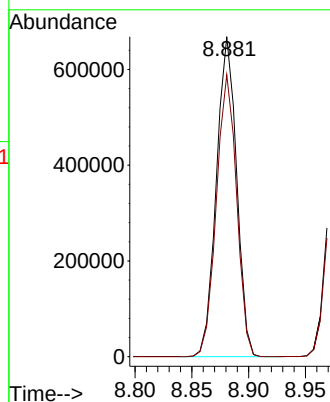
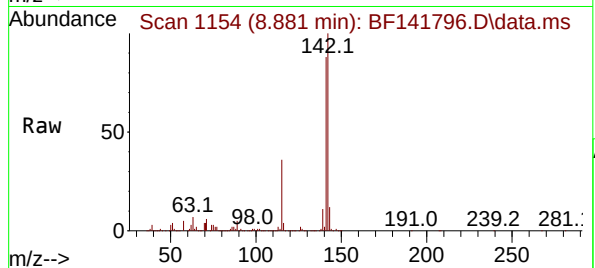
141 88.1 71.1 106.7

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

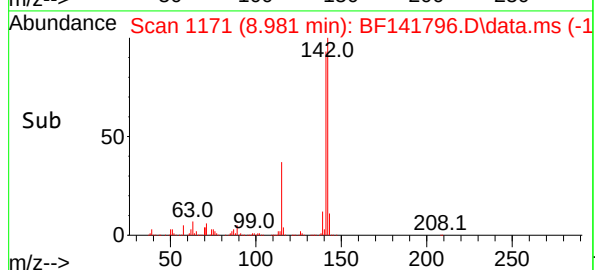
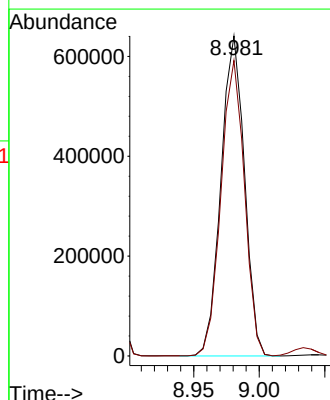
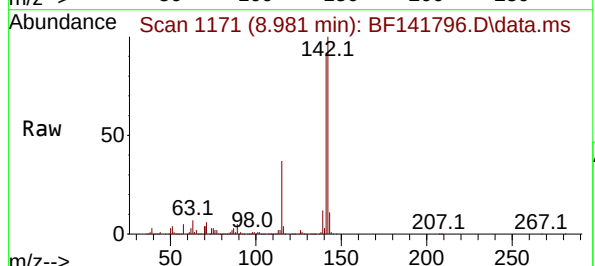
Acq: 27 Feb 2025 16:46

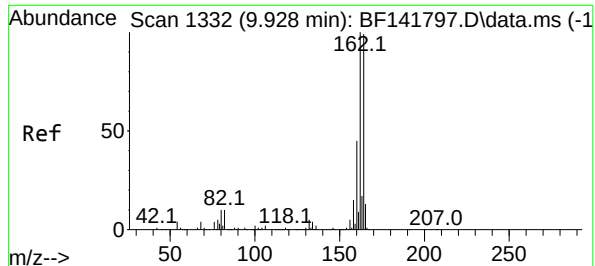
Tgt Ion:142 Resp: 796808

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

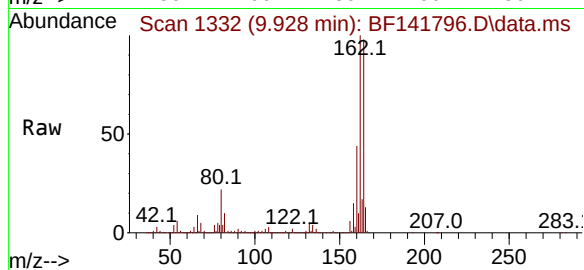
Acq: 27 Feb 2025 16:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 626338

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

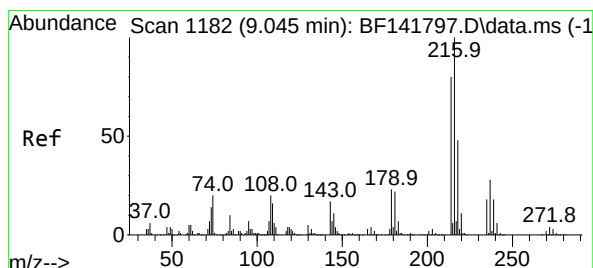
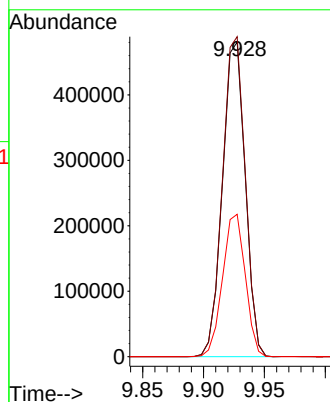
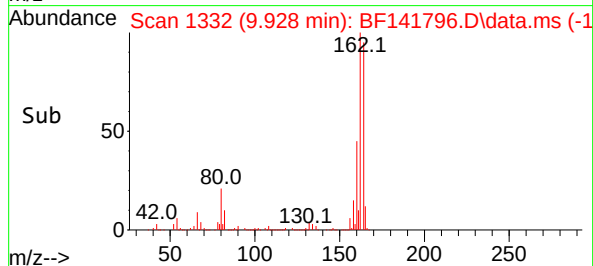
160 45.3 36.3 54.5

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

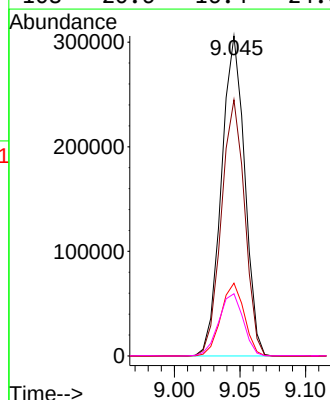
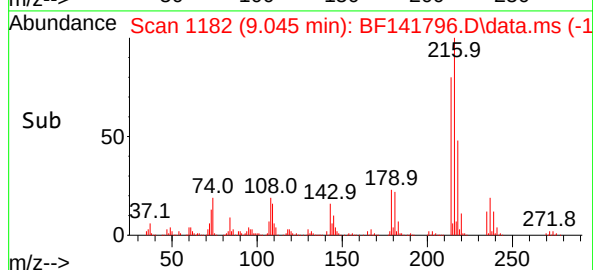
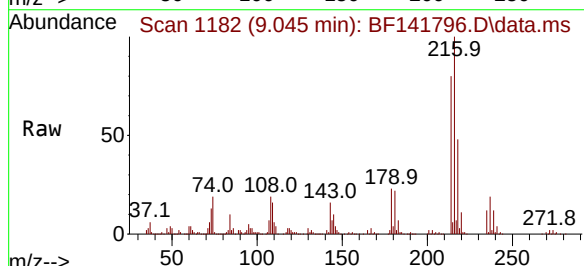
Ion Ratio Lower Upper

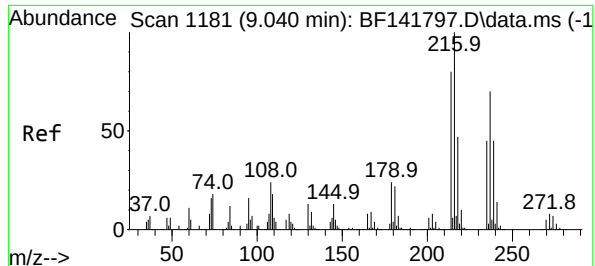
216 100

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

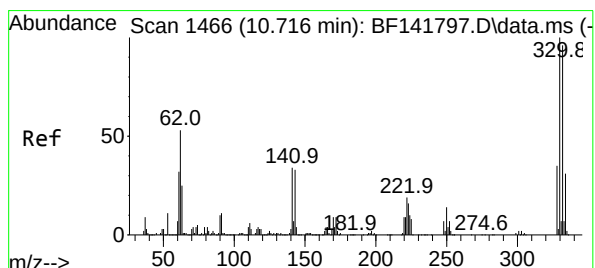
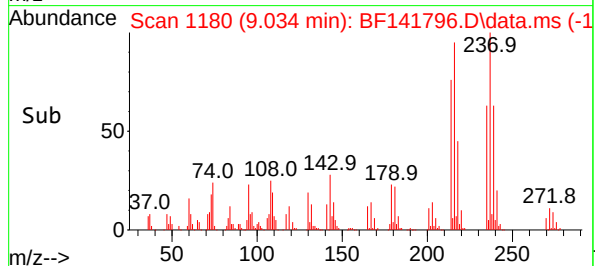
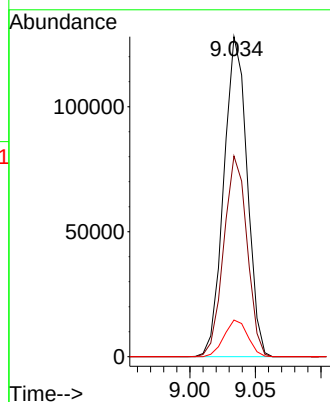
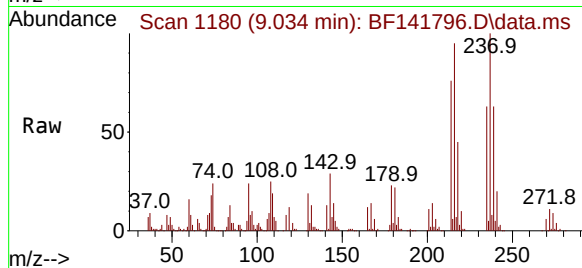
272 11.4 0.0 31.9

Manual Integrations

APPROVED

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

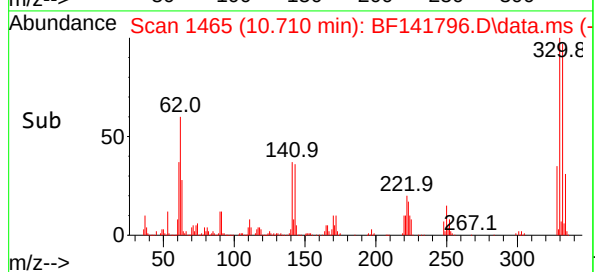
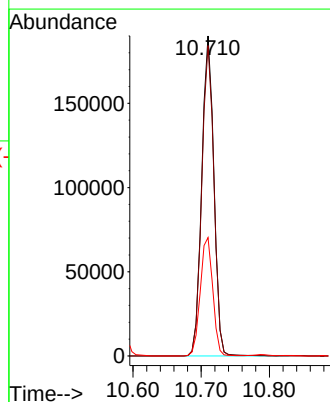
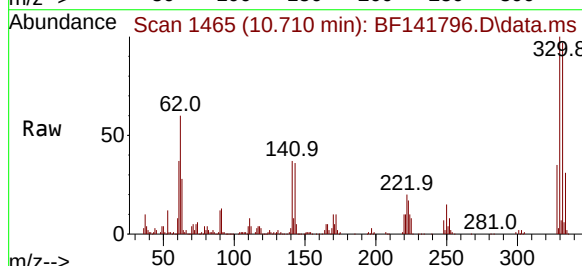
Tgt Ion:330 Resp: 235147

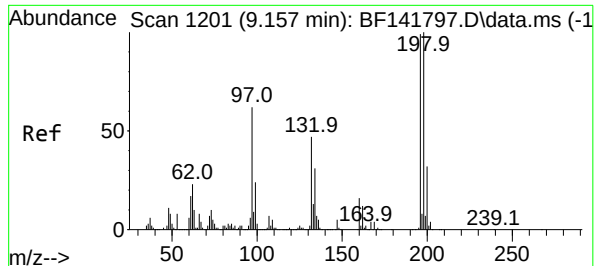
Ion Ratio Lower Upper

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

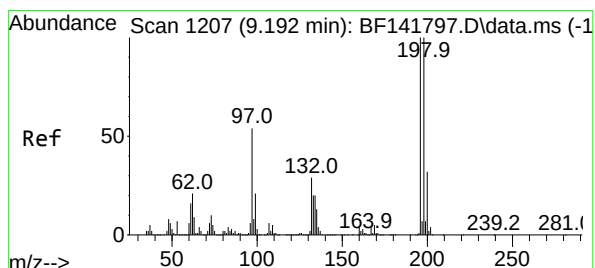
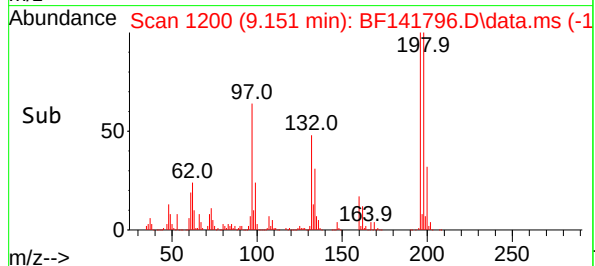
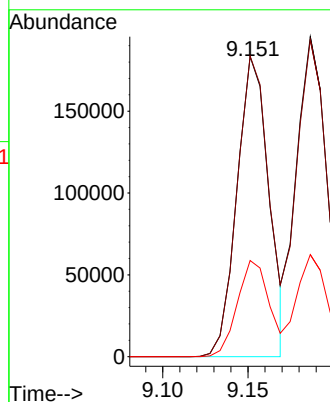
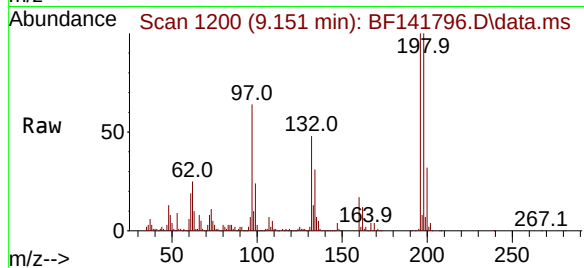
200 32.0 25.7 38.5

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

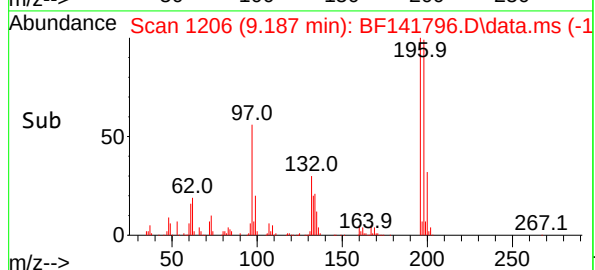
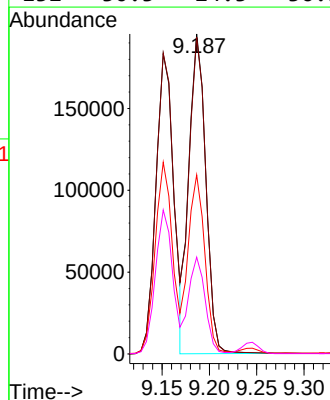
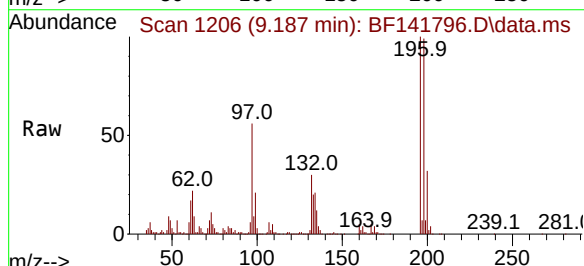
Ion Ratio Lower Upper

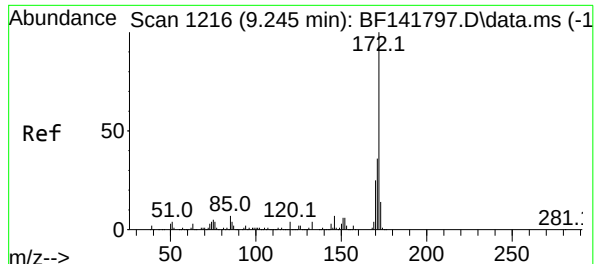
196 100

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

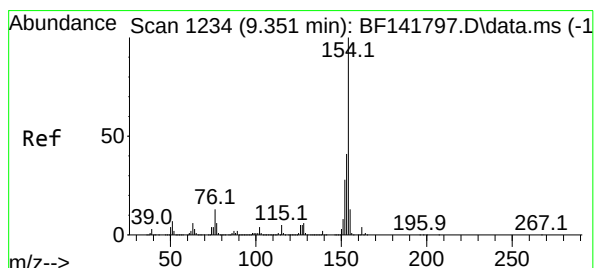
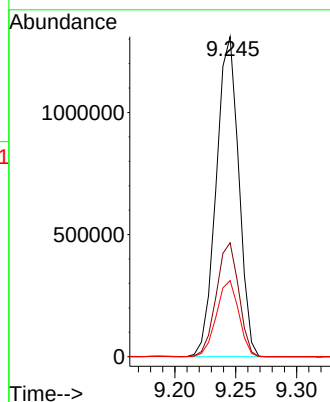
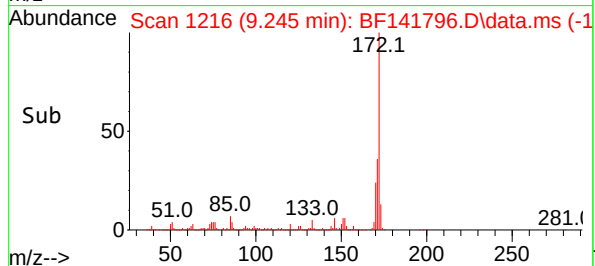
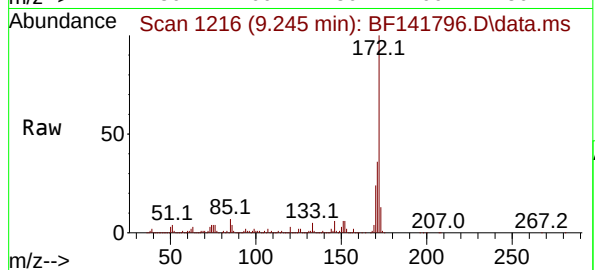
170 23.8 19.7 29.5

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

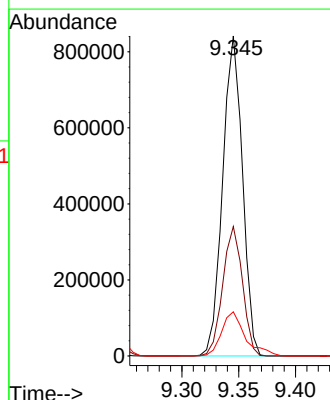
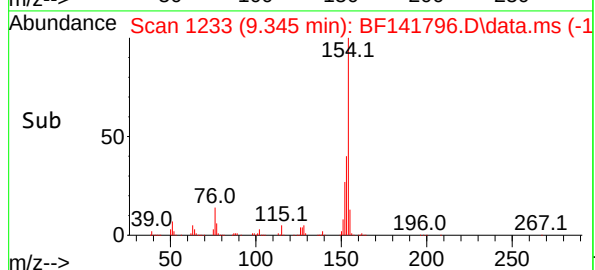
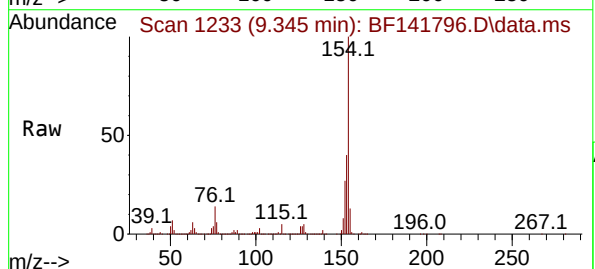
Tgt Ion:154 Resp: 1021081

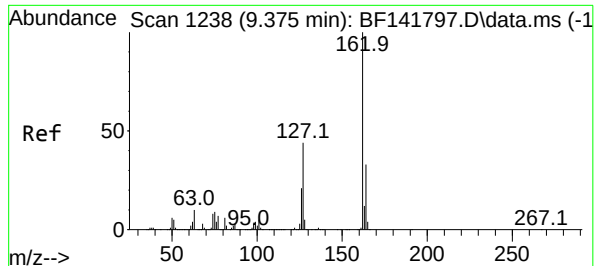
Ion Ratio Lower Upper

154 100

153 40.4 21.4 61.4

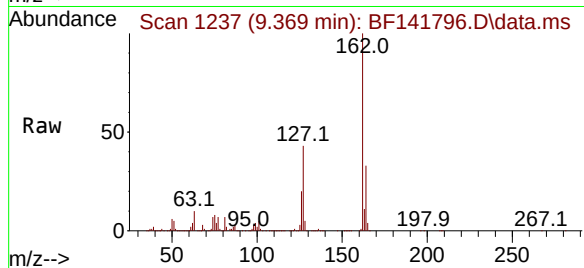
76 13.8 0.0 33.4





#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

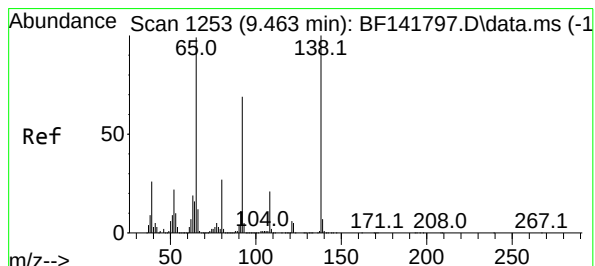
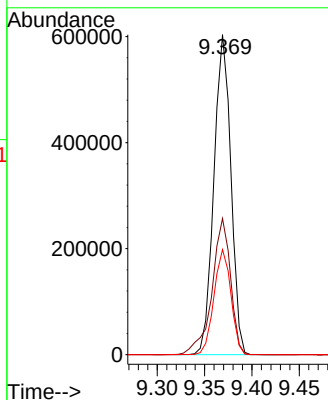
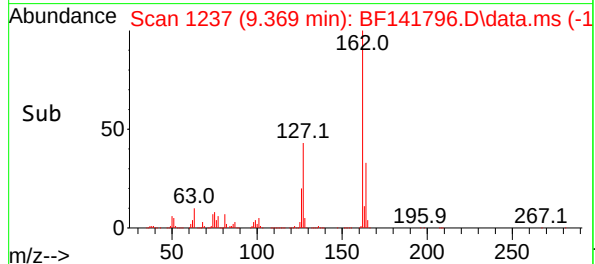
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

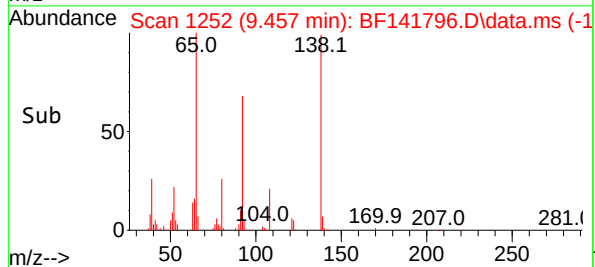
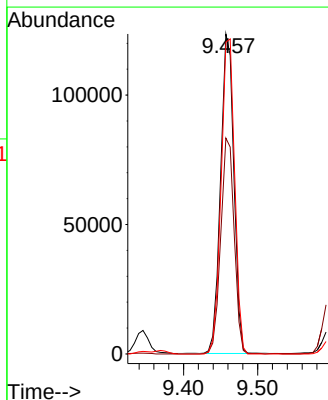
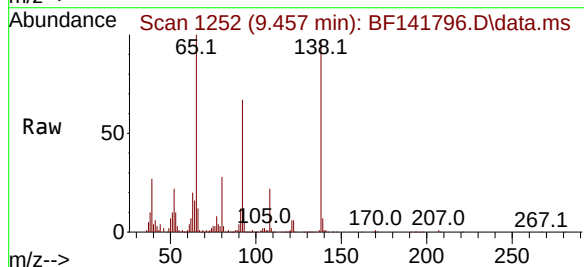
Manual Integrations
APPROVED

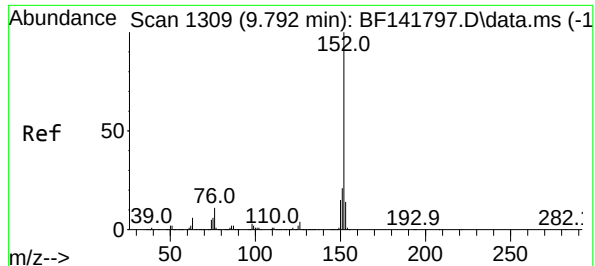
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

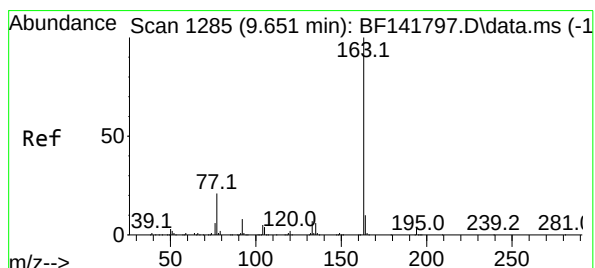
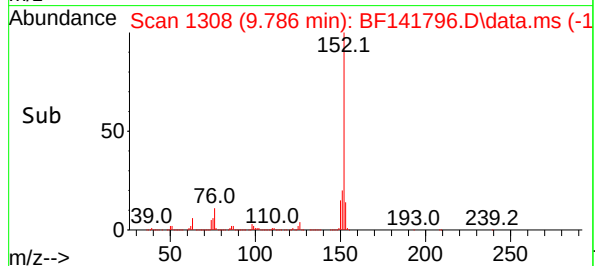
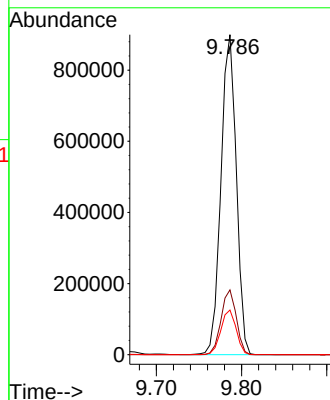
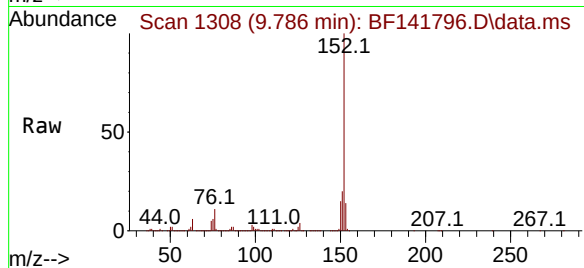
153 13.9 11.2 16.8

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

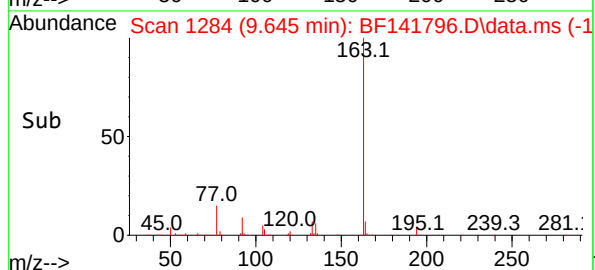
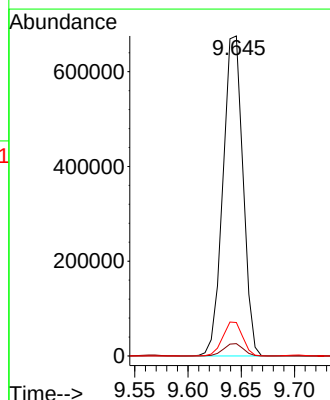
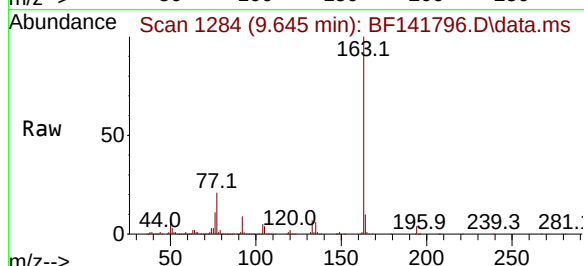
Tgt Ion:163 Resp: 879870

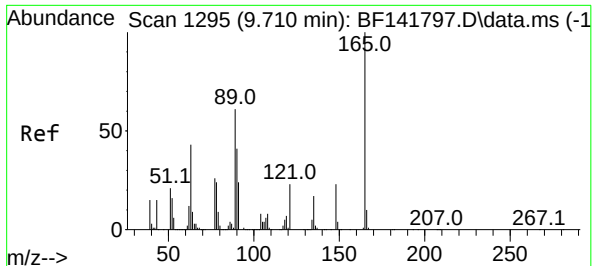
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

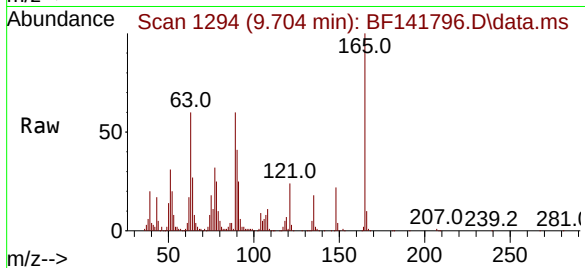
164 10.4 8.4 12.6





#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

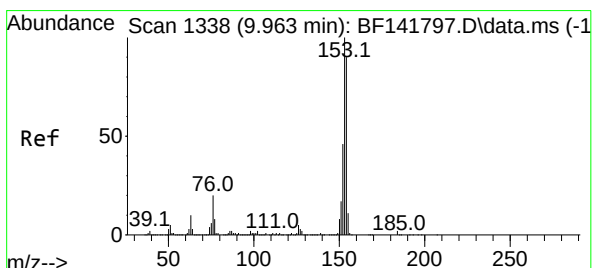
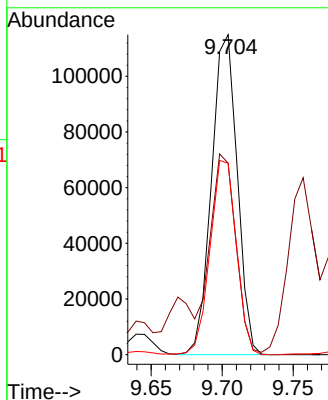
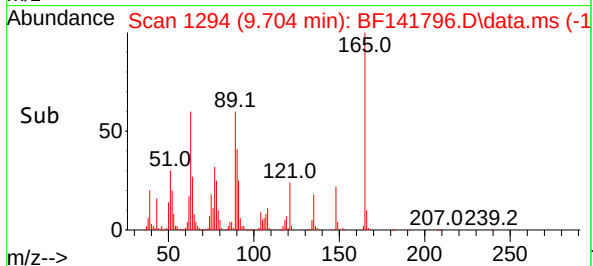
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

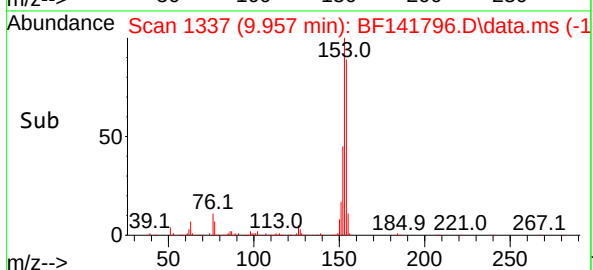
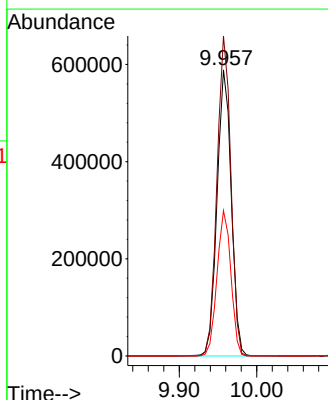
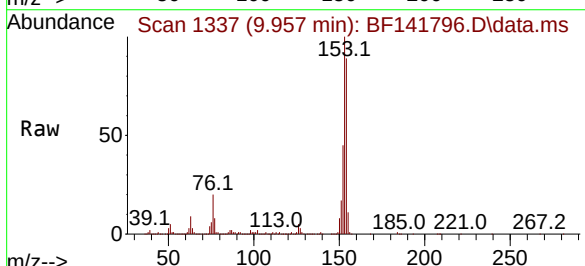
Manual Integrations
APPROVED

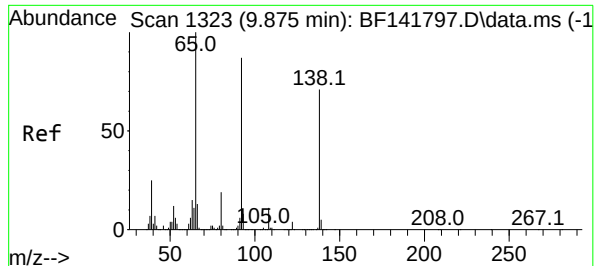
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

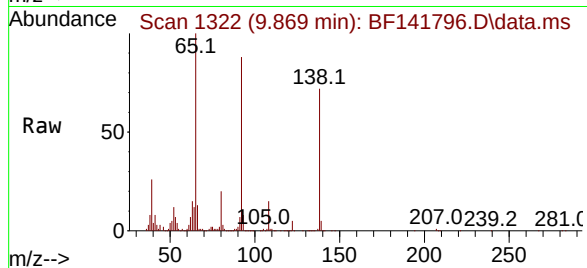
Tgt Ion:154 Resp: 749963
Ion Ratio Lower Upper
154 100
153 111.9 88.7 133.1
152 50.8 40.9 61.3





#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

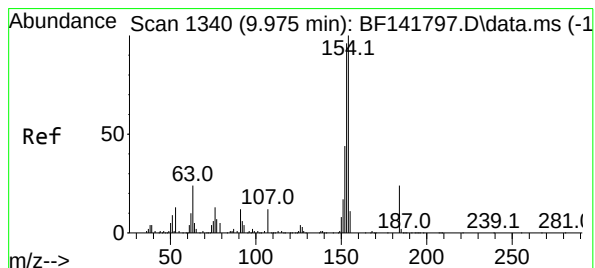
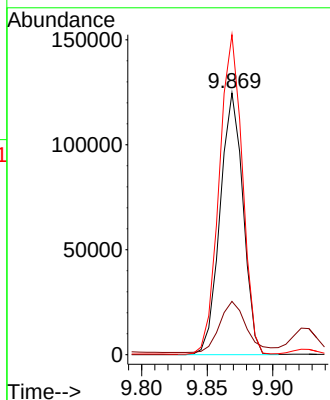
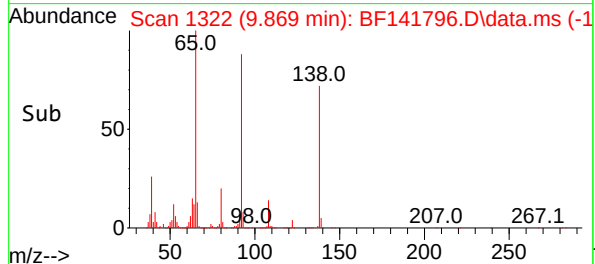
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

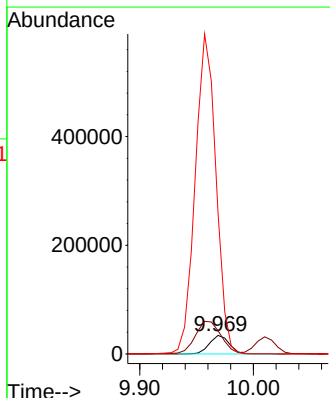
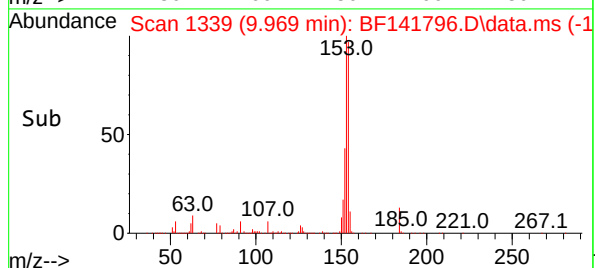
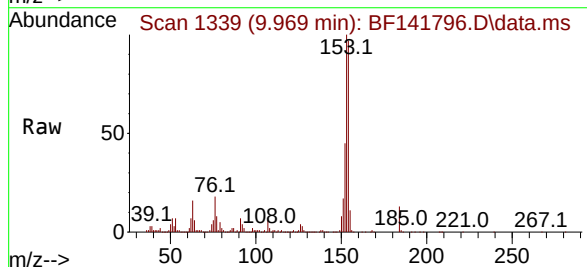
Manual Integrations
APPROVED

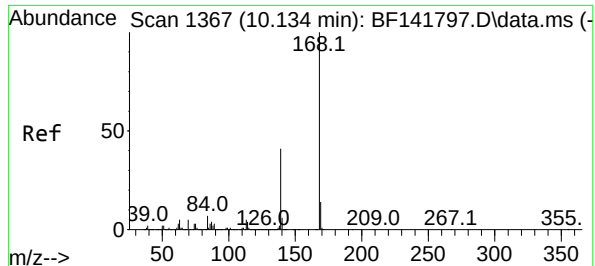
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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#





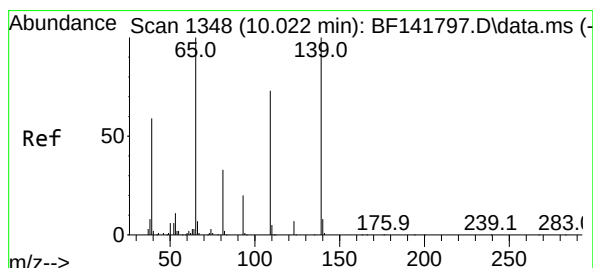
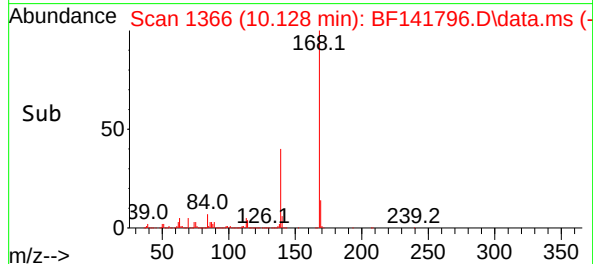
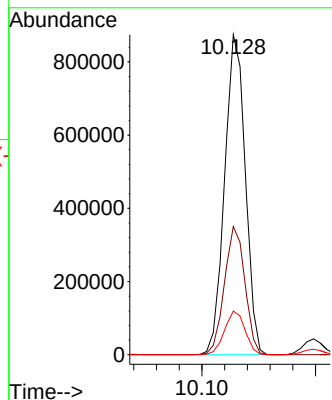
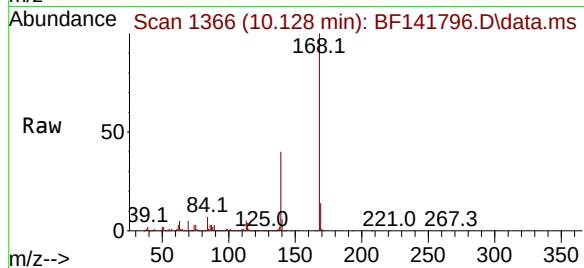
#55
Dibenzenofuran
Concen: 21.332 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

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

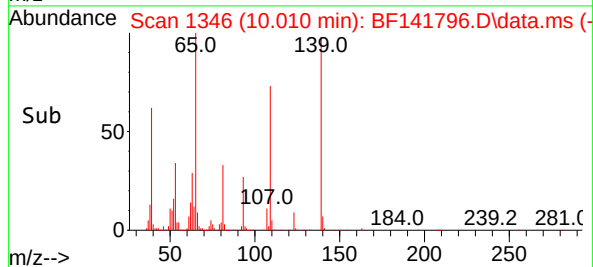
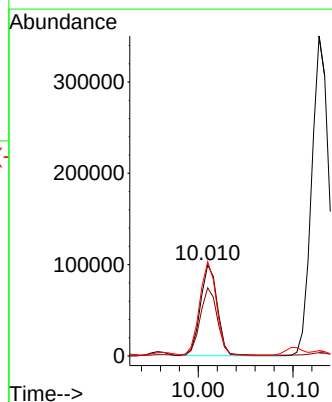
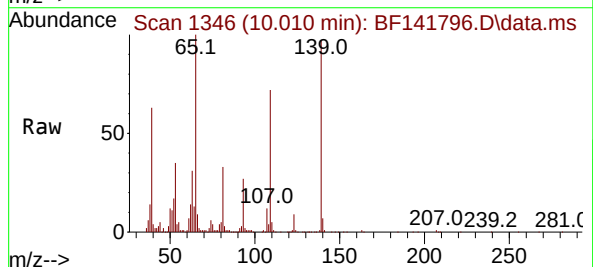
Manual Integrations
APPROVED

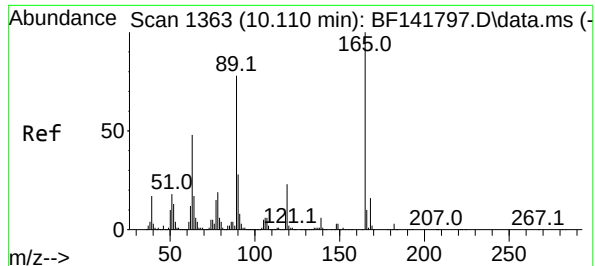
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

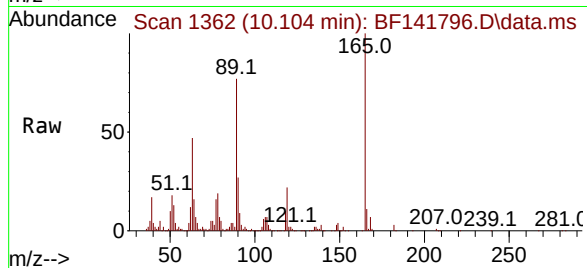
Tgt Ion:139 Resp: 123415
Ion Ratio Lower Upper
139 100
109 74.8 53.4 93.4
65 103.5 82.1 122.1





#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

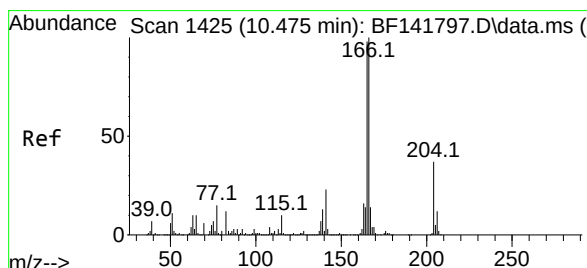
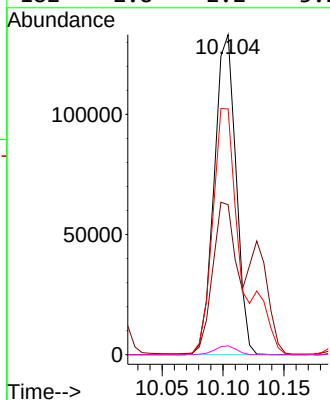
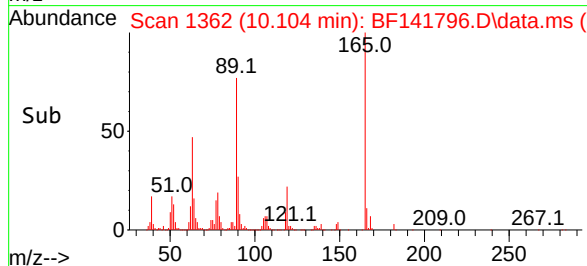
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

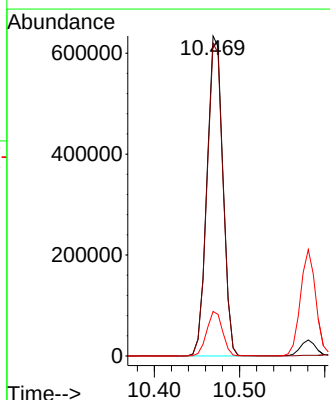
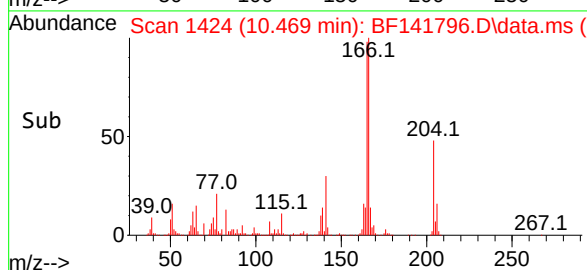
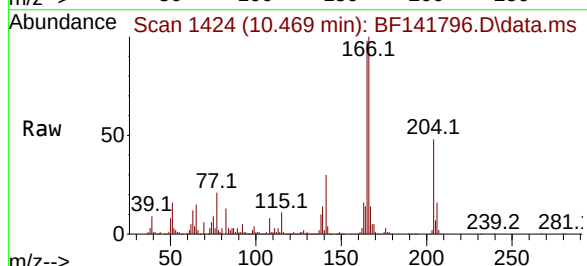
Manual Integrations
APPROVED

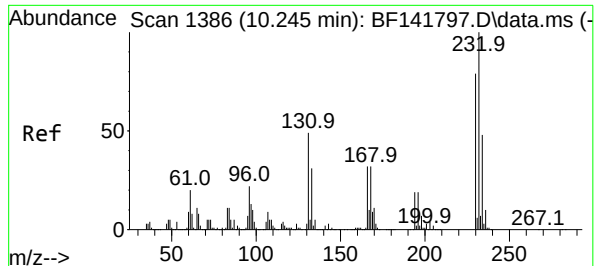
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

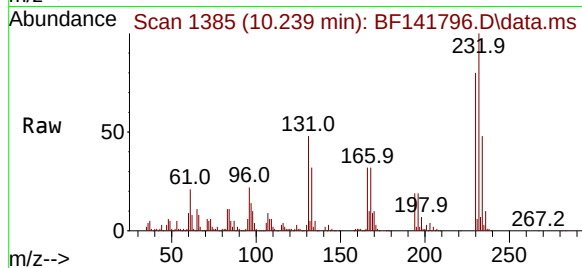
Tgt Ion:166 Resp: 822264
Ion Ratio Lower Upper
166 100
165 97.7 78.6 117.8
167 13.9 11.0 16.4





#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

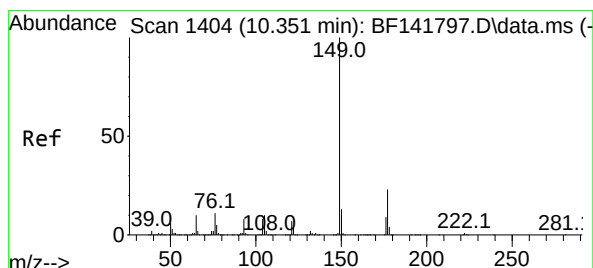
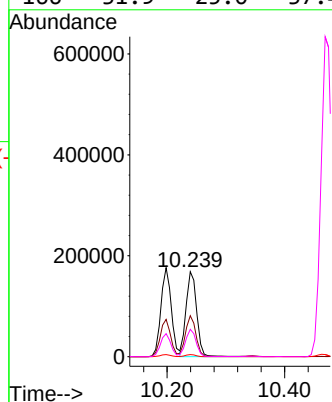
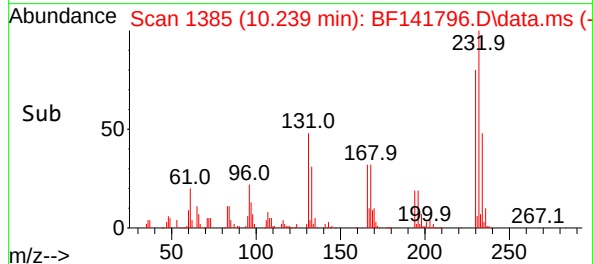
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

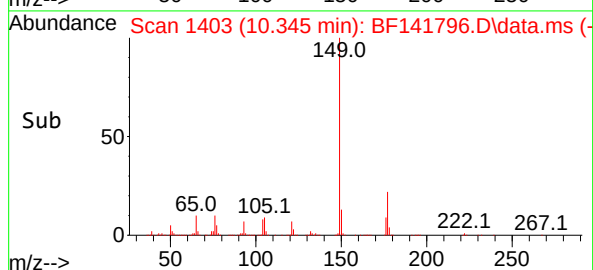
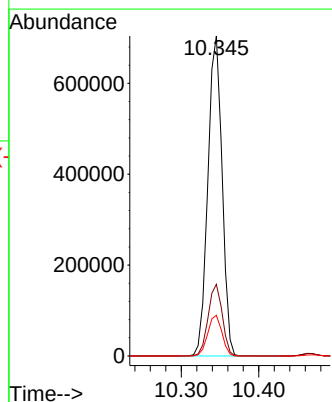
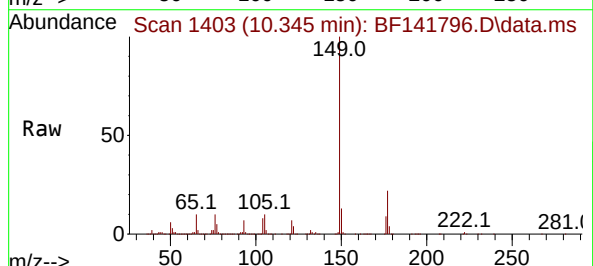
Manual Integrations
APPROVED

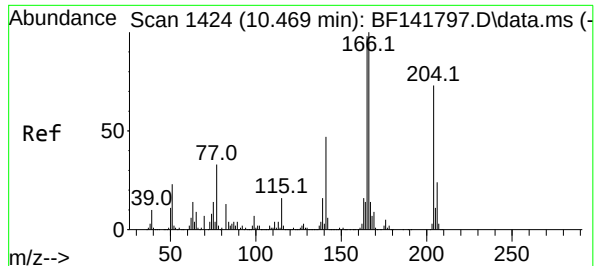
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

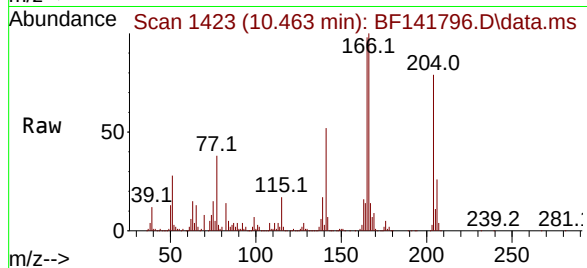
Tgt Ion:149 Resp: 894118
Ion Ratio Lower Upper
149 100
177 22.4 18.3 27.5
150 12.7 10.3 15.5





#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

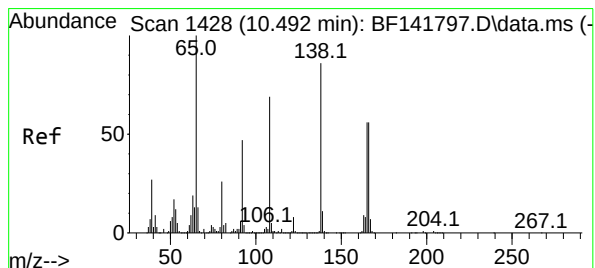
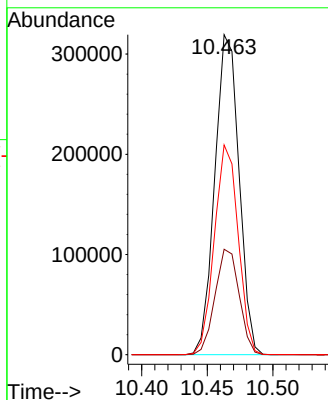
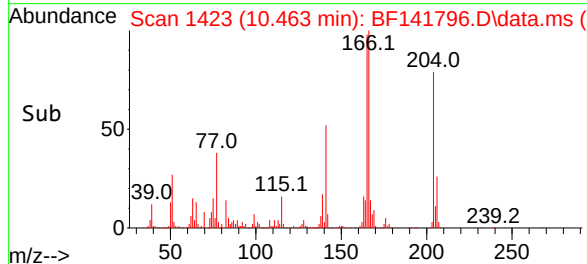
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

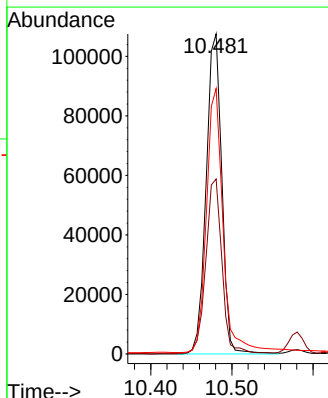
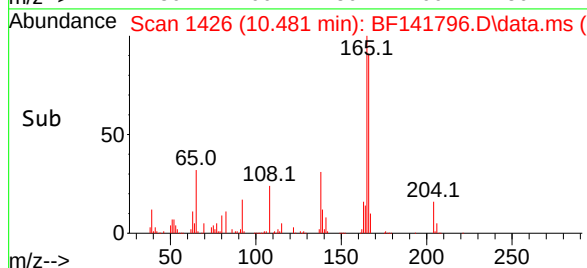
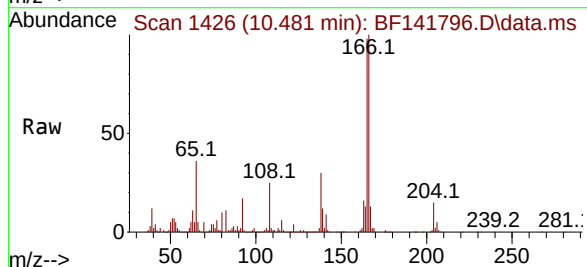
Manual Integrations
APPROVED

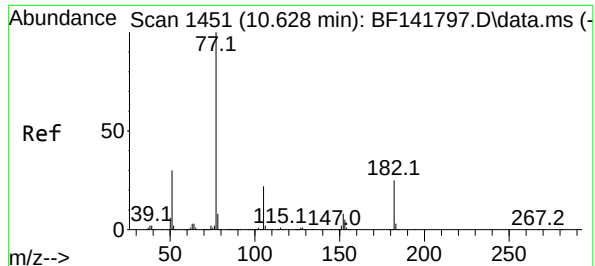
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

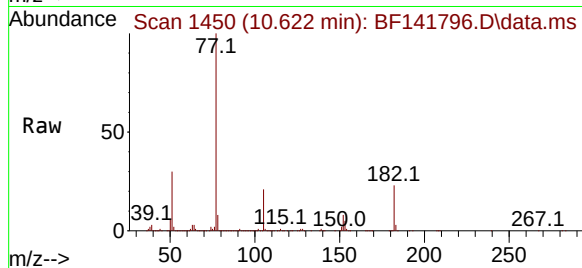
Tgt Ion:138 Resp: 143482
Ion Ratio Lower Upper
138 100
92 54.7 34.9 74.9
108 82.9 59.6 99.6





#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

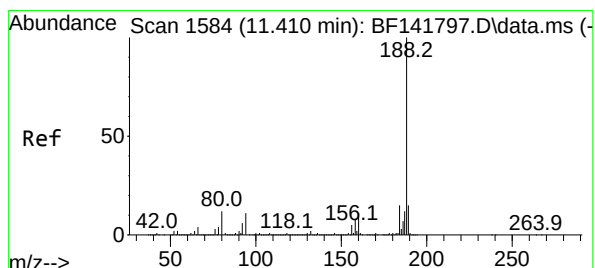
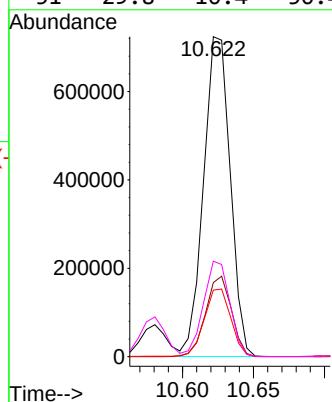
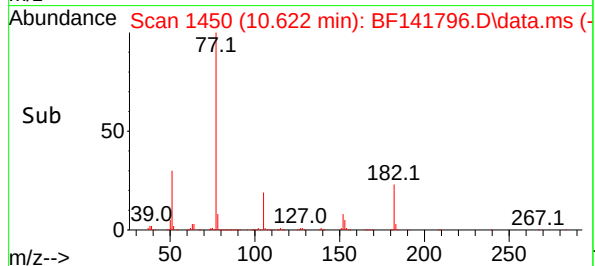
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

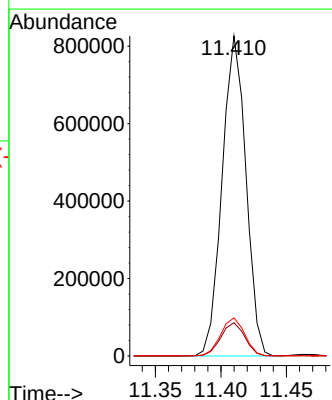
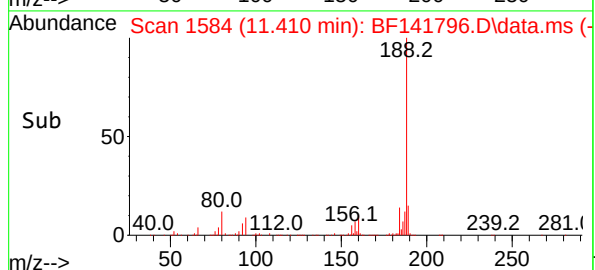
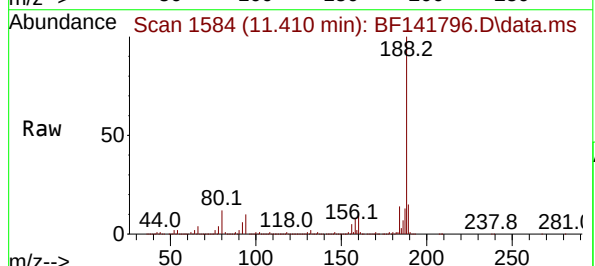
Manual Integrations
APPROVED

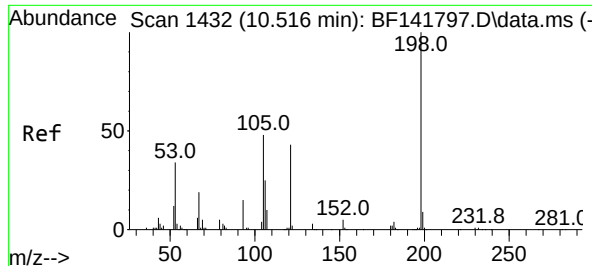
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

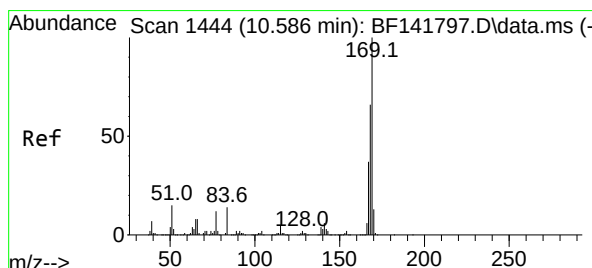
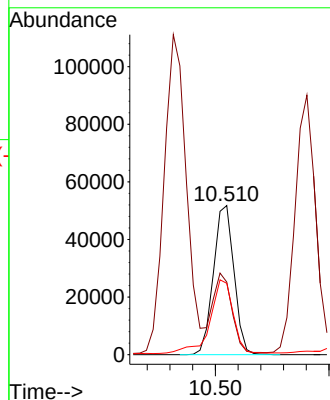
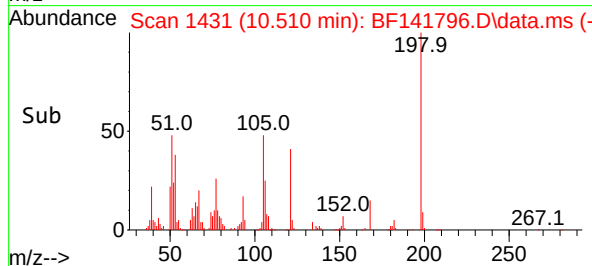
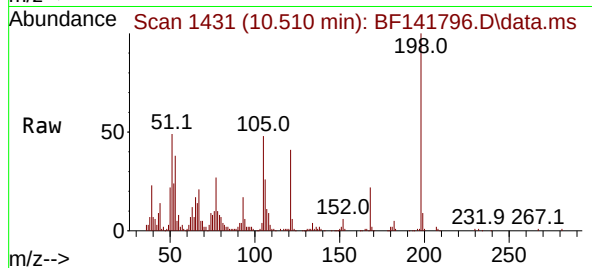
105 47.9 28.5 68.5

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

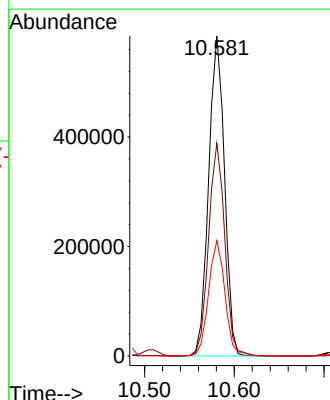
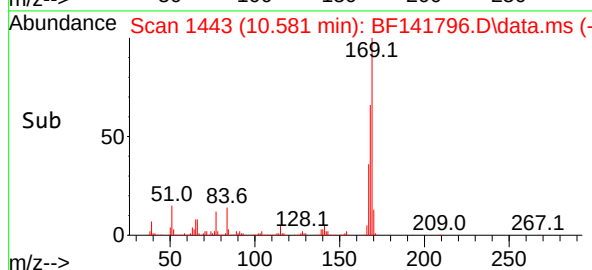
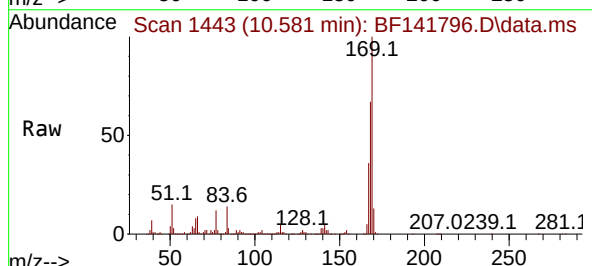
Tgt Ion:169 Resp: 717531

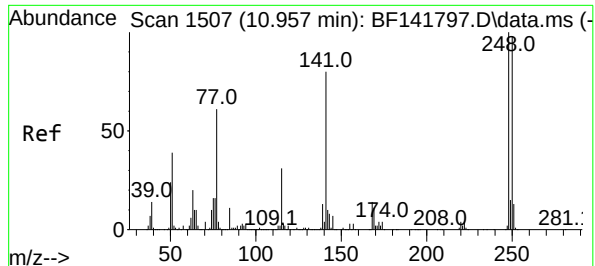
Ion Ratio Lower Upper

169 100

168 66.5 53.0 79.6

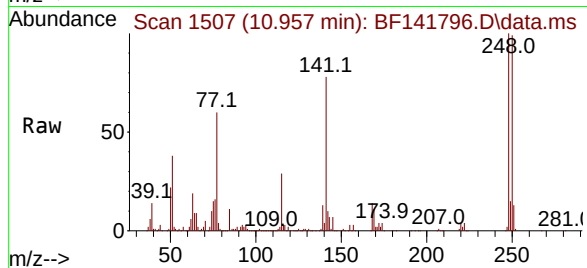
167 36.0 29.3 43.9





#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

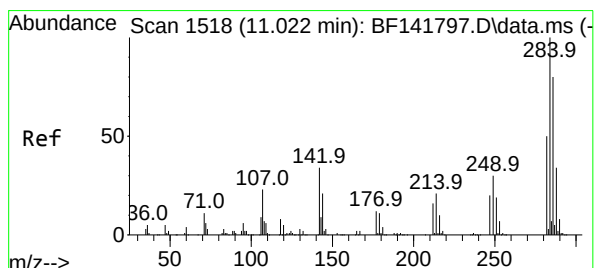
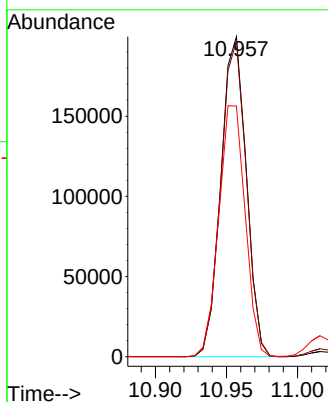
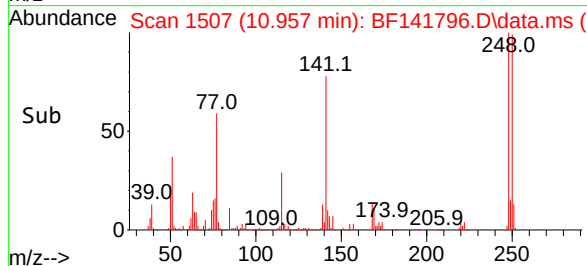
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

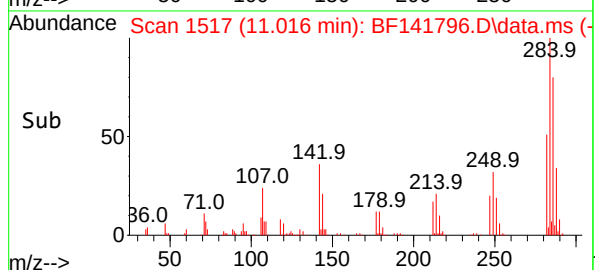
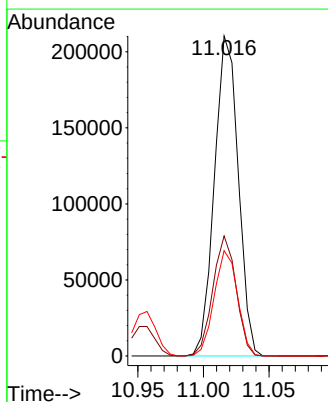
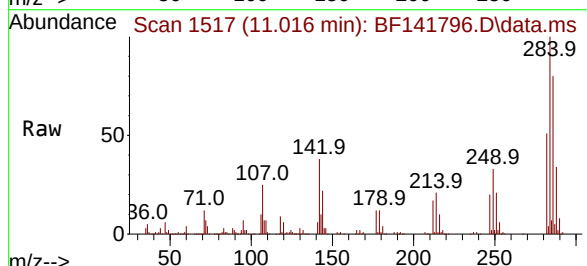
Manual Integrations
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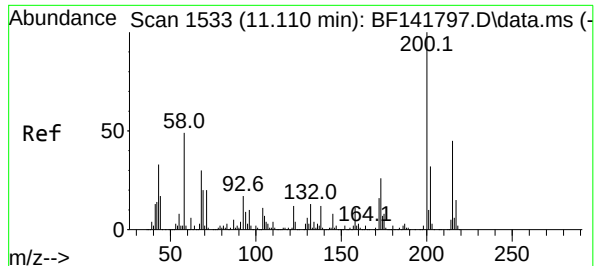
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

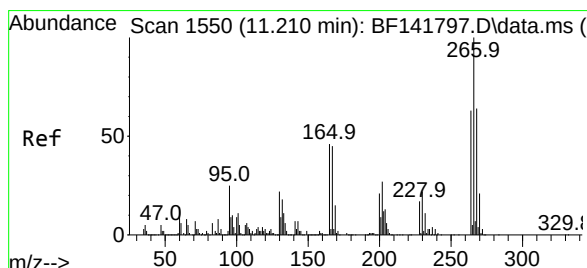
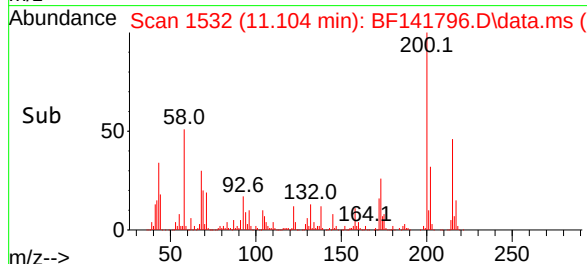
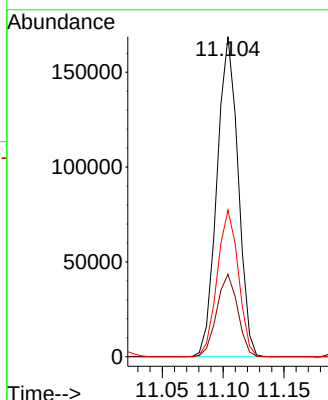
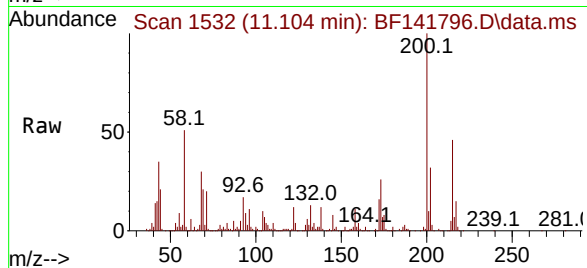
215 45.8 25.3 65.3

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

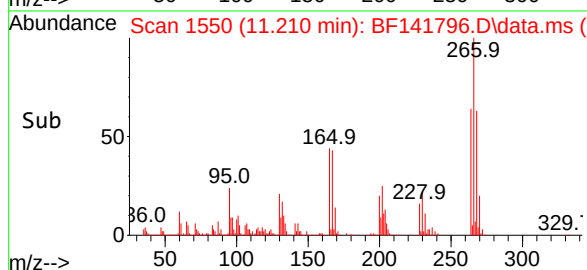
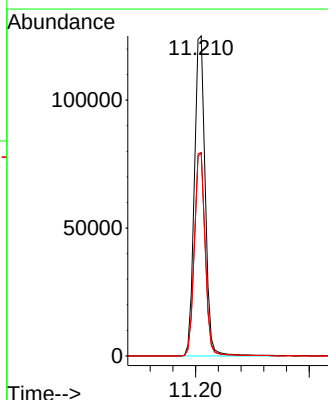
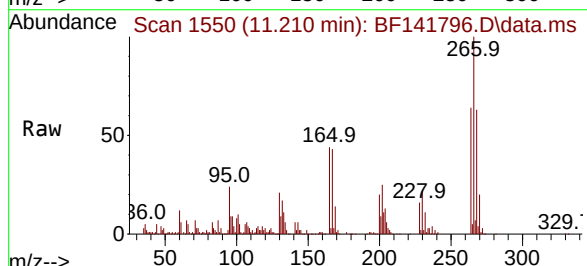
Tgt Ion:266 Resp: 167231

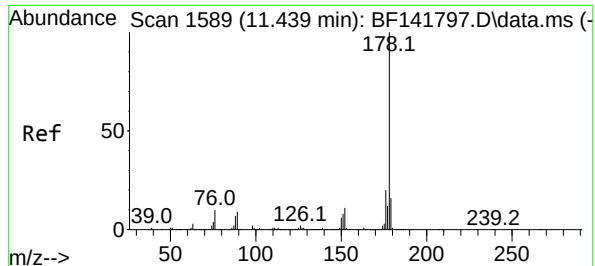
Ion Ratio Lower Upper

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

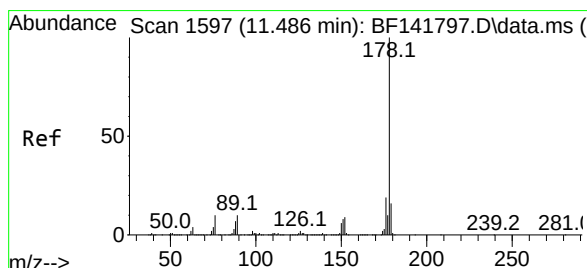
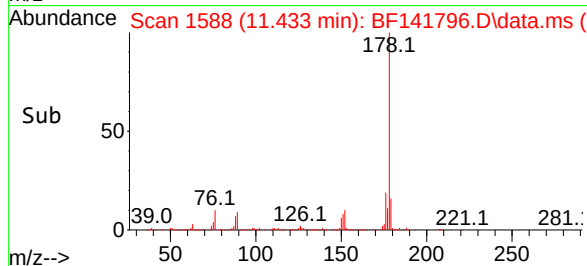
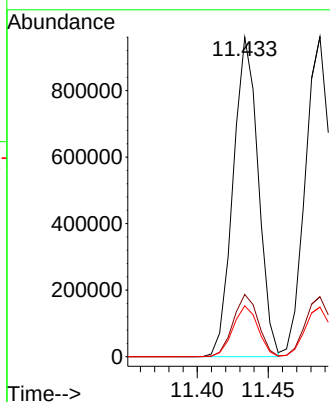
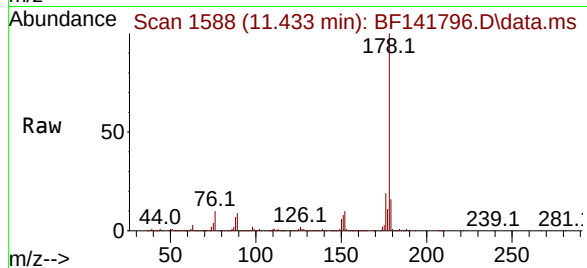
179 15.9 12.6 19.0

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

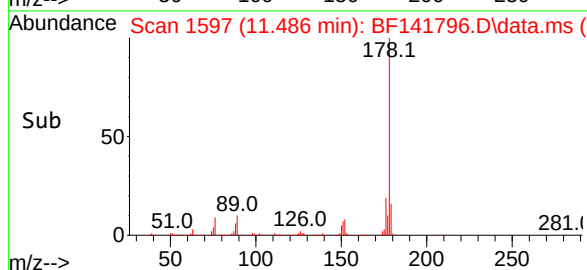
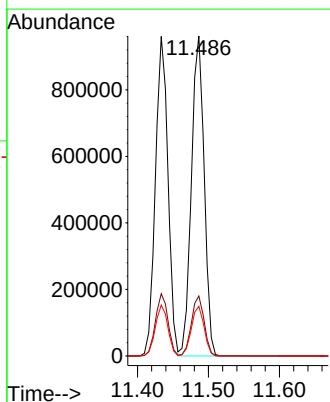
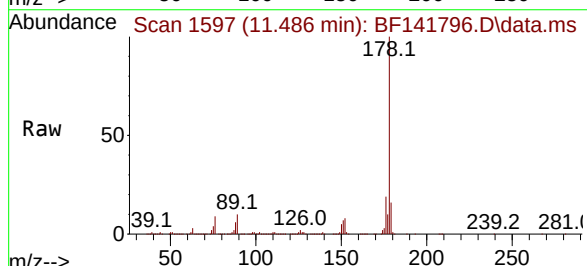
Tgt Ion:178 Resp: 1203701

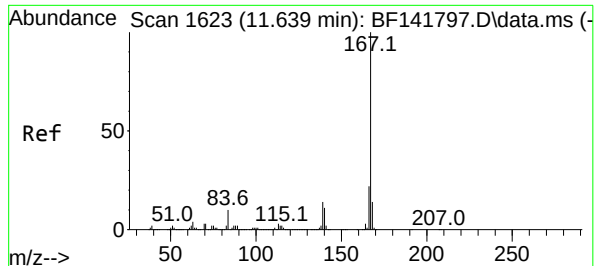
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

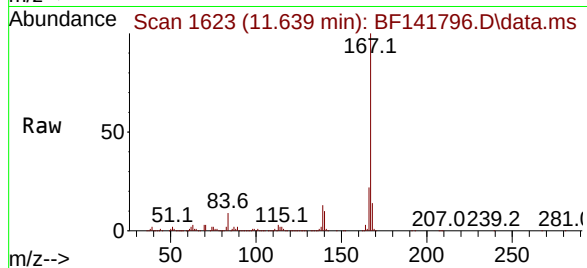
179 15.5 12.8 19.2





#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

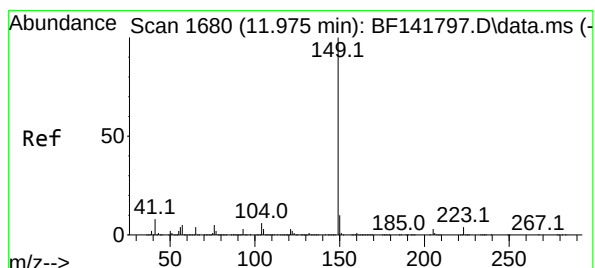
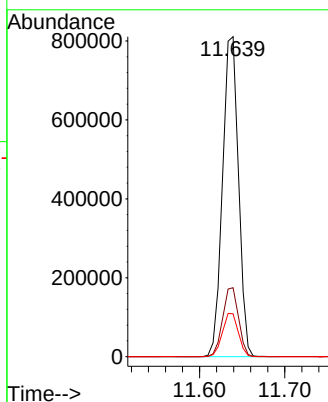
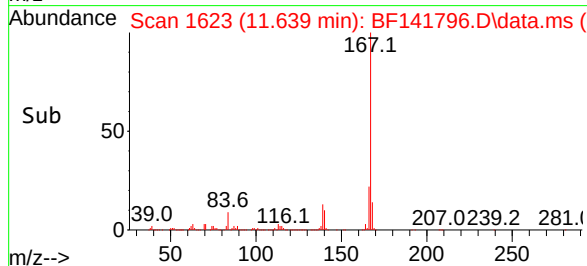
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



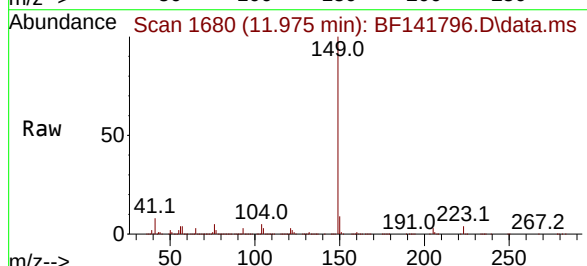
Tgt Ion:167 Resp: 105614
Ion Ratio Lower Upper
167 100
166 21.6 17.5 26.3
139 13.4 11.3 16.9

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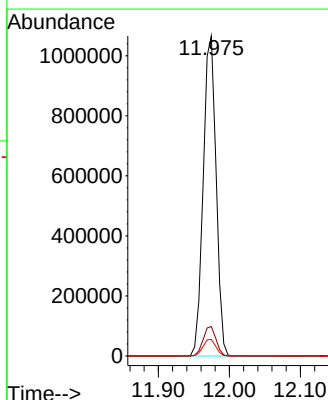
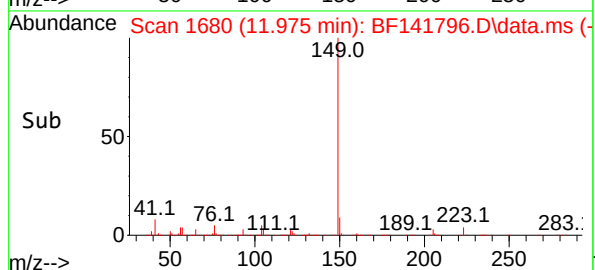
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

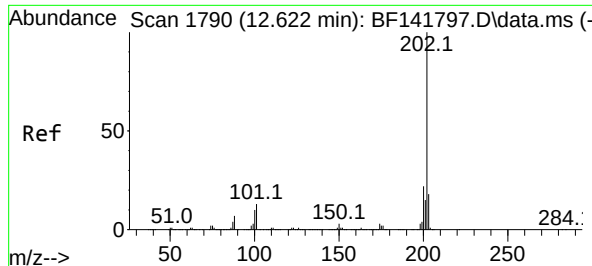


#74
Di-n-butylphthalate
Concen: 21.518 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



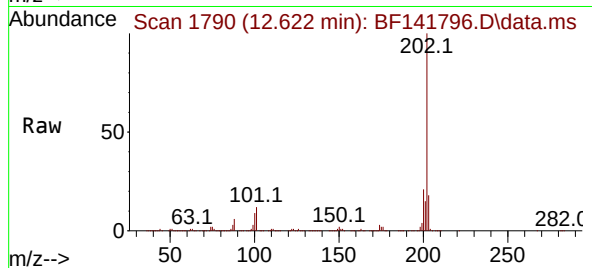
Tgt Ion:149 Resp: 1345098
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 5.2 4.4 6.6





#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

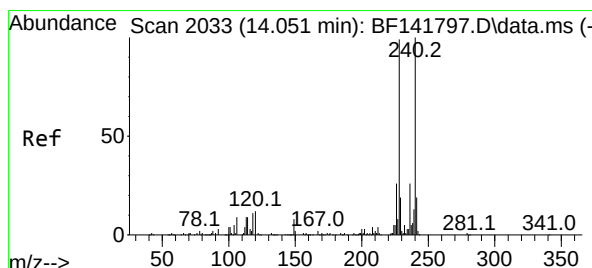
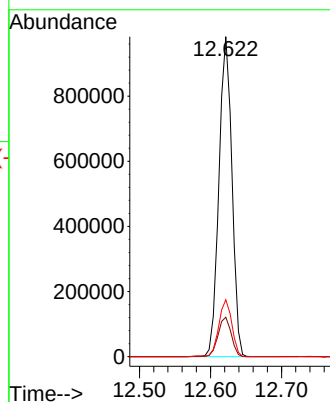
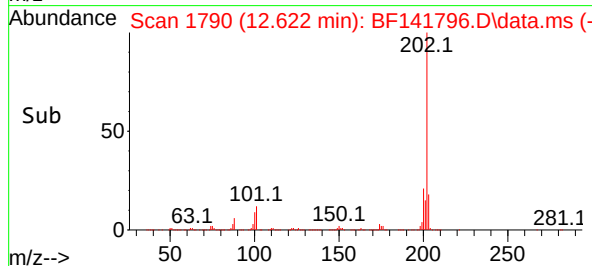
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

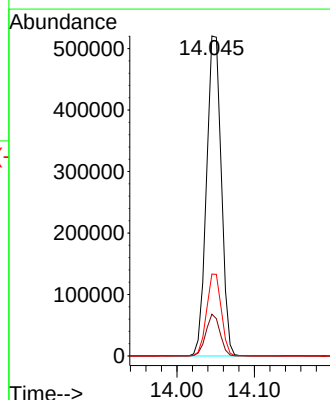
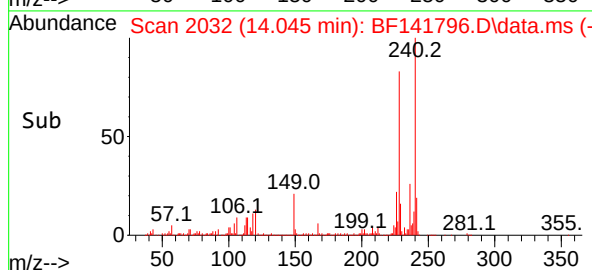
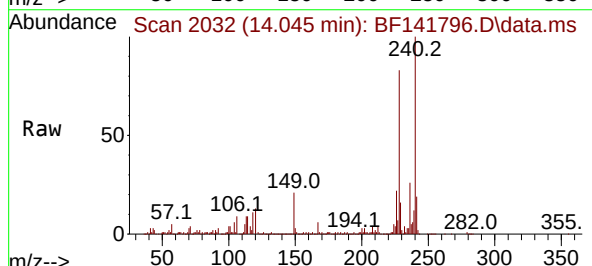
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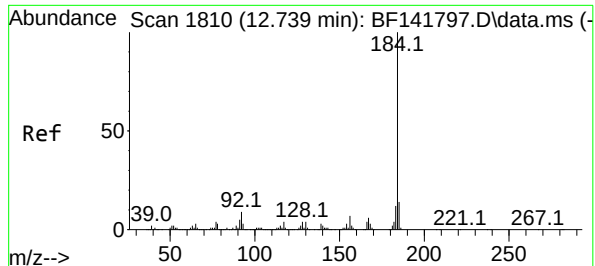
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

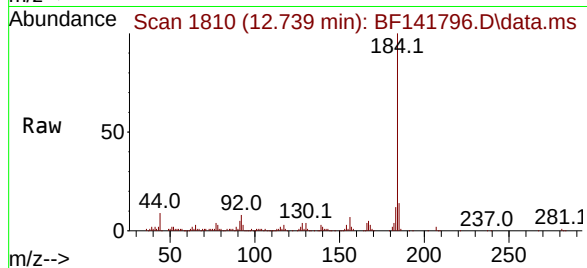
Tgt Ion:240 Resp: 688606
Ion Ratio Lower Upper
240 100
120 13.1 9.7 14.5
236 25.6 21.0 31.4





#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

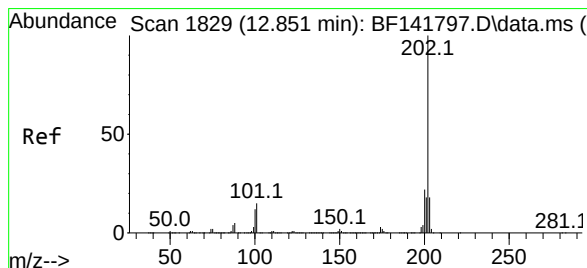
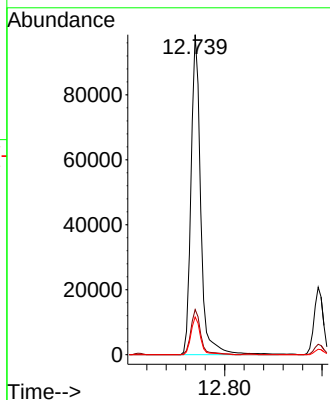
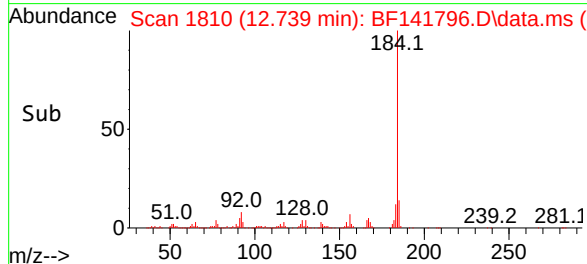
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

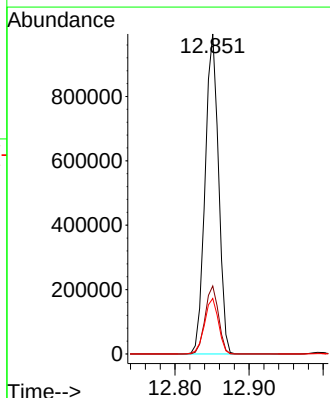
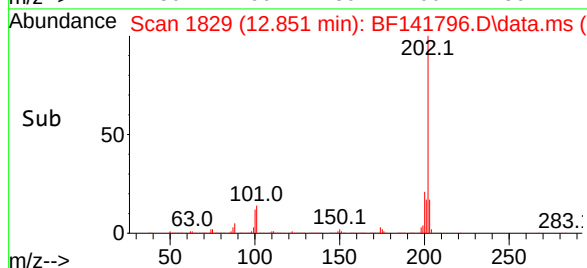
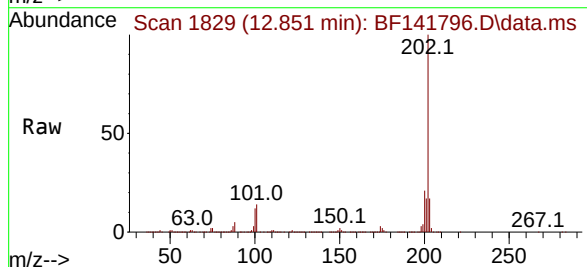
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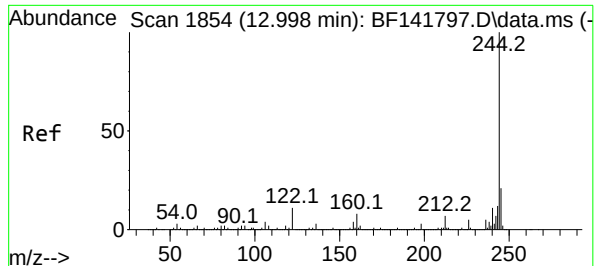
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

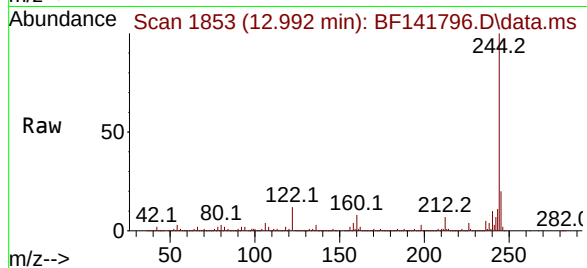
Tgt Ion:202 Resp: 1249647
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.0
203 17.4 14.6 22.0





#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

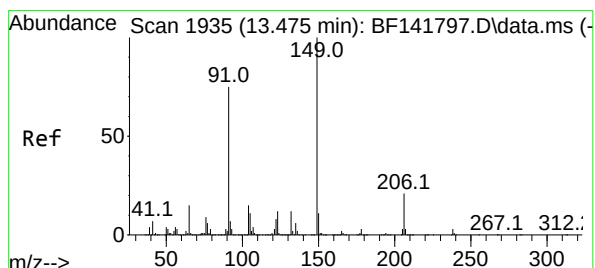
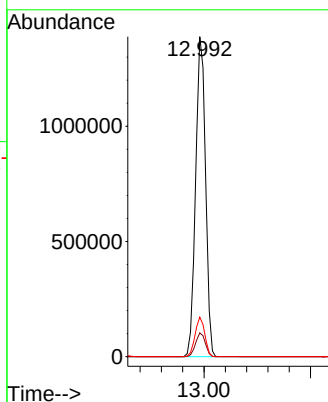
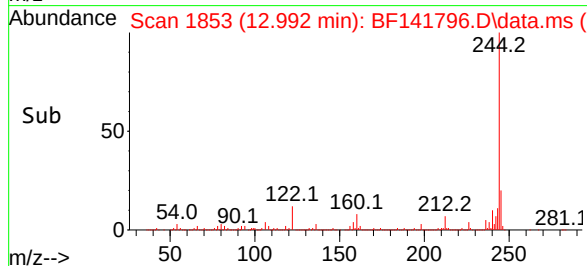
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



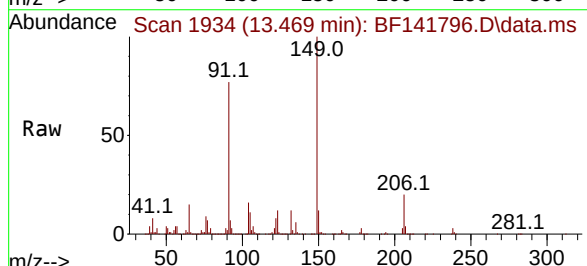
Tgt Ion:244 Resp: 1785800
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 12.4 9.0 13.6

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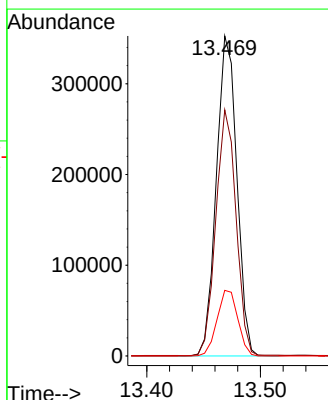
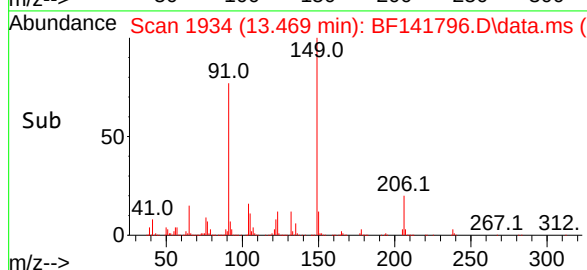
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

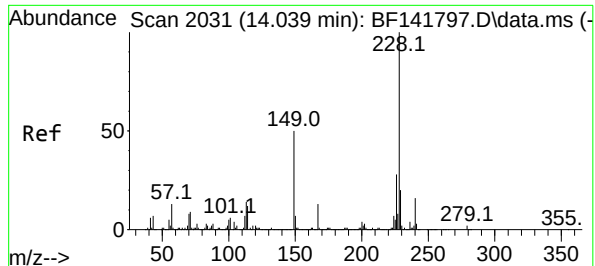


#80
Butylbenzylphthalate
Concen: 20.434 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46



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

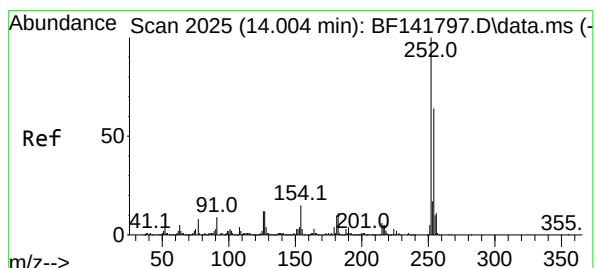
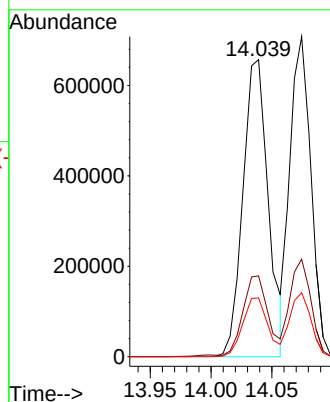
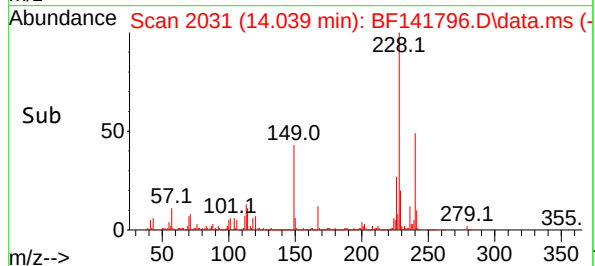
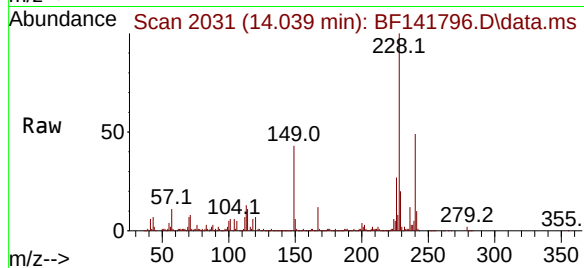
229 19.8 16.1 24.1

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

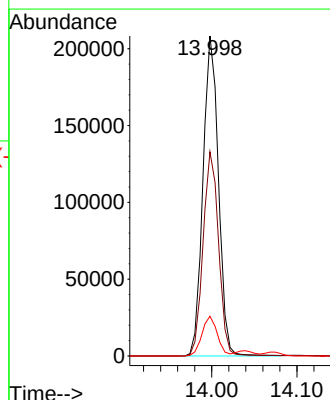
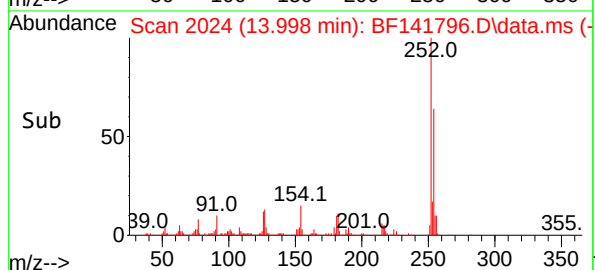
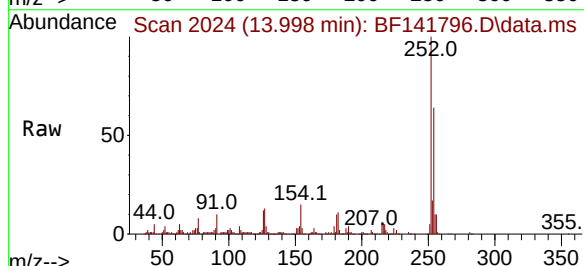
Tgt Ion:252 Resp: 262708

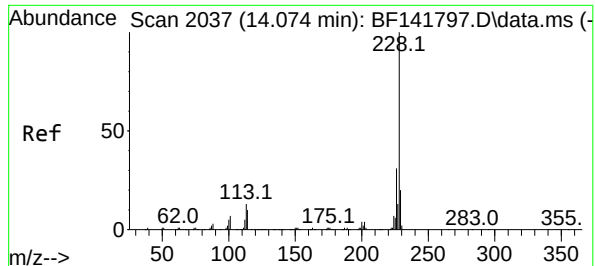
Ion Ratio Lower Upper

252 100

254 63.8 51.4 77.0

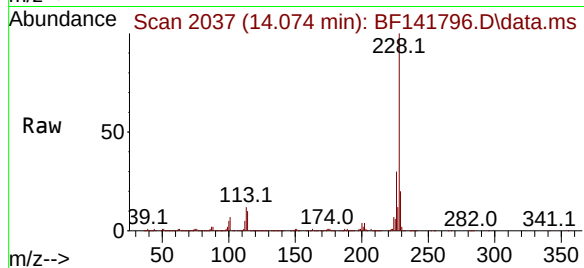
126 12.4 9.8 14.6





#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

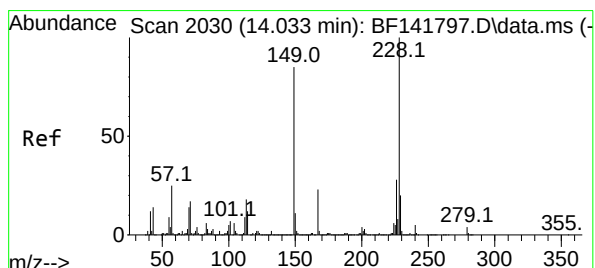
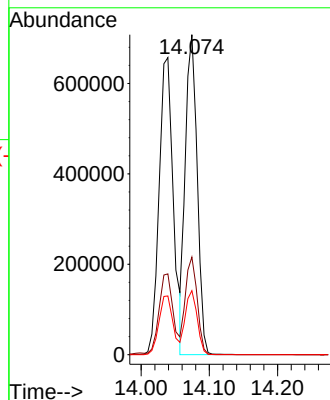
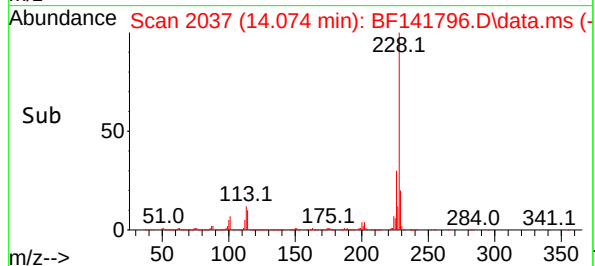
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

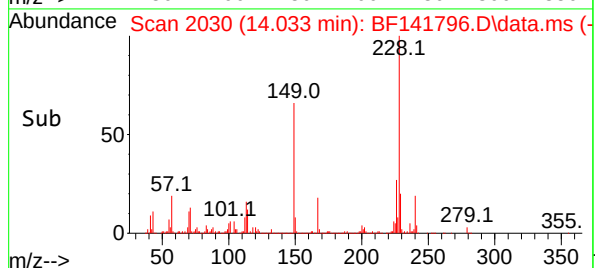
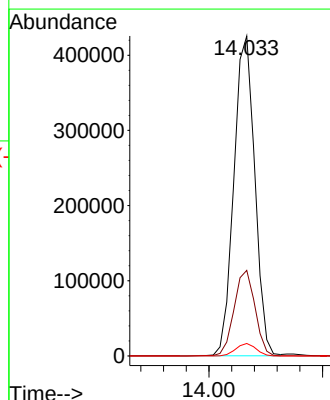
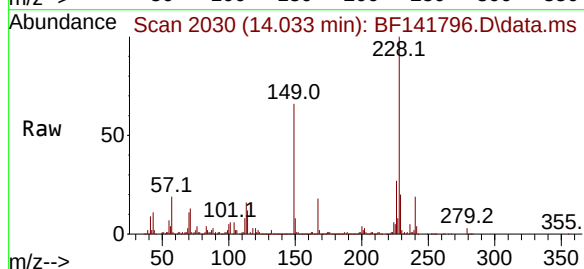
Manual Integrations
APPROVED

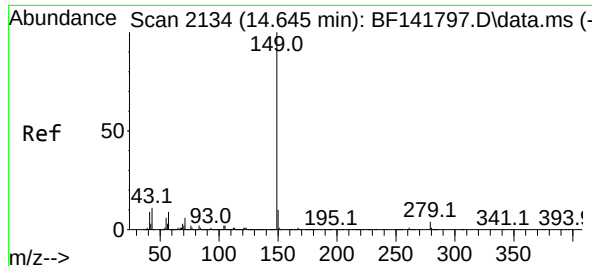
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

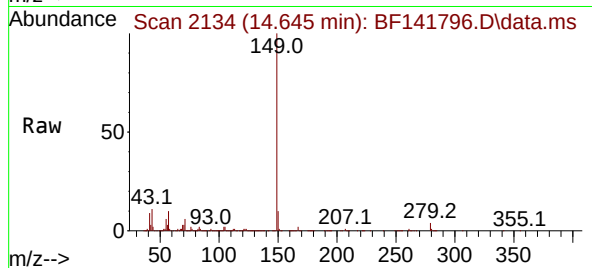
Tgt Ion:149 Resp: 542812
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 3.9 3.3 4.9





#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

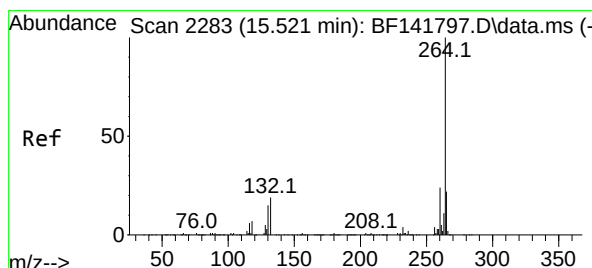
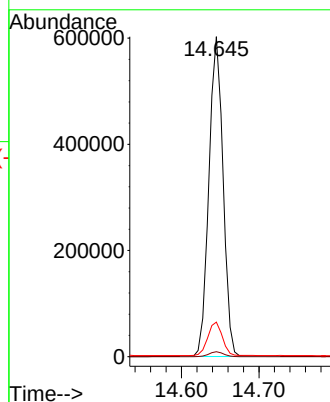
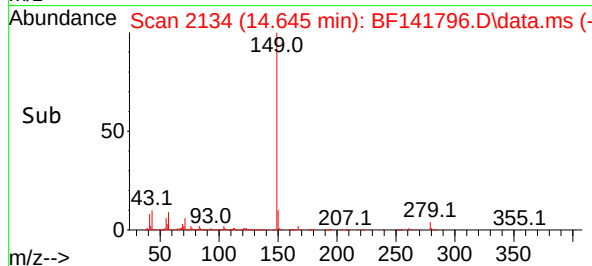
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

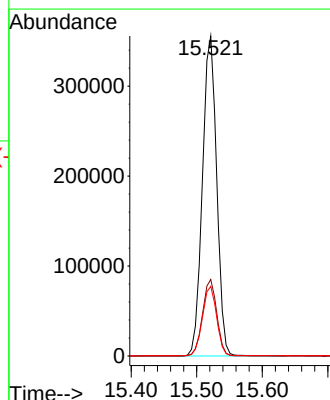
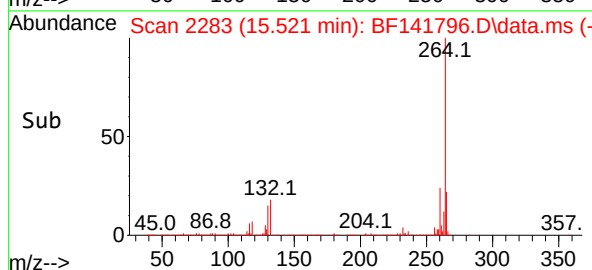
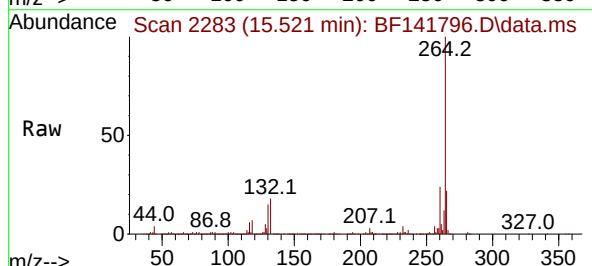
Manual Integrations
APPROVED

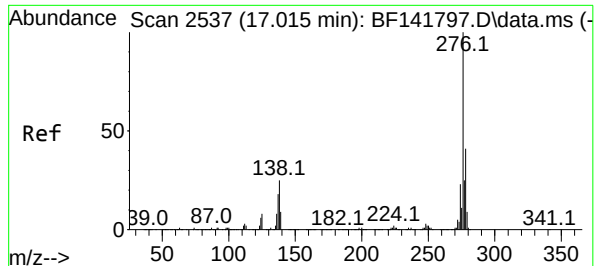
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

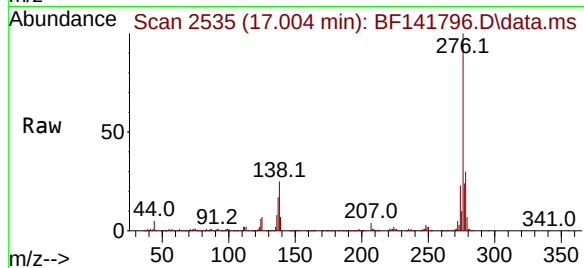
Tgt Ion:264 Resp: 539147
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 21.7 17.4 26.0





#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

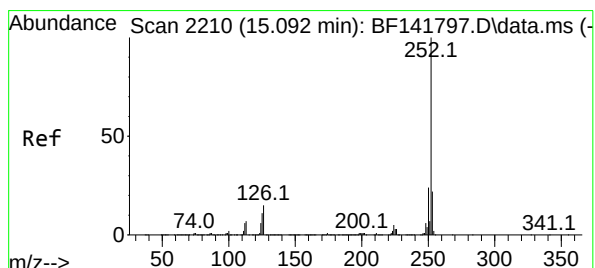
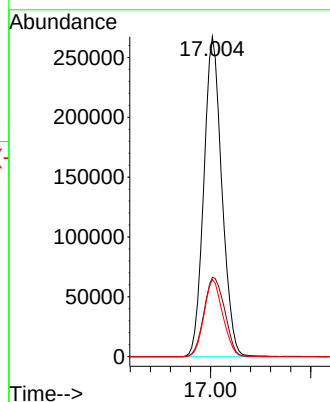
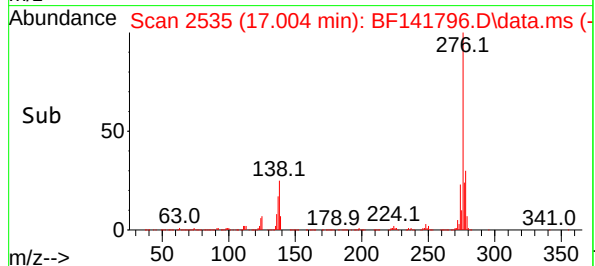
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

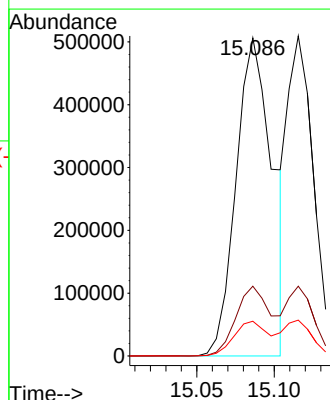
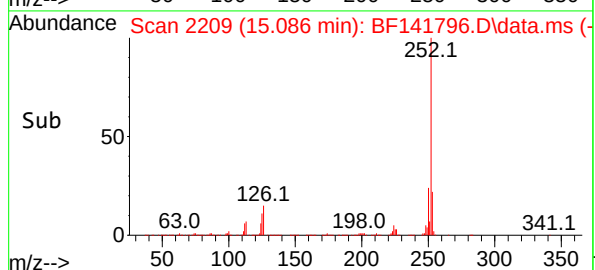
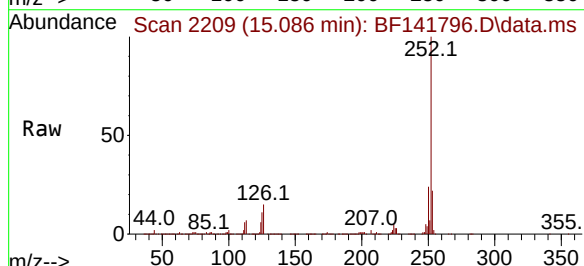
Manual Integrations
APPROVED

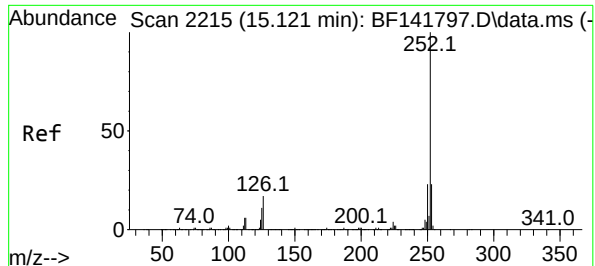
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

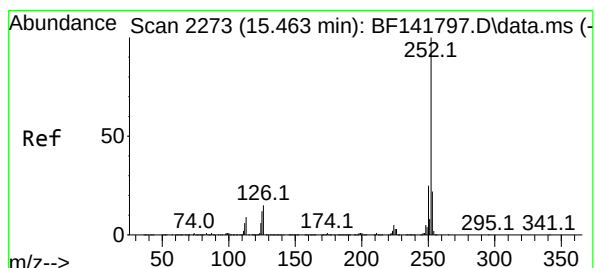
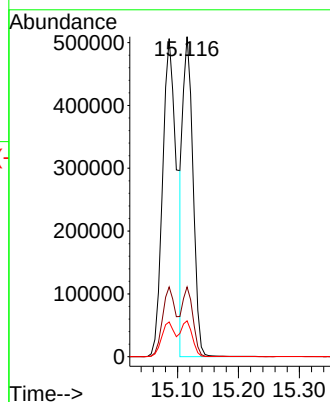
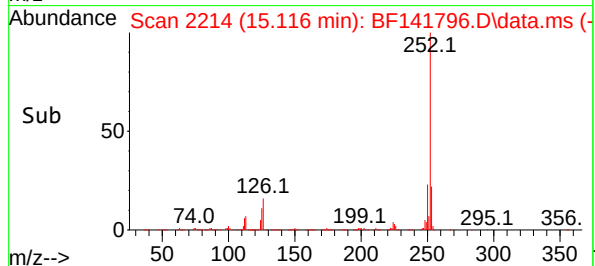
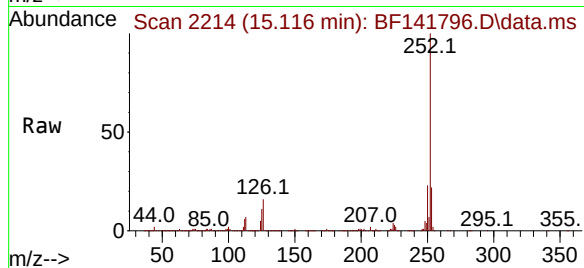
125 11.2 8.8 13.2

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

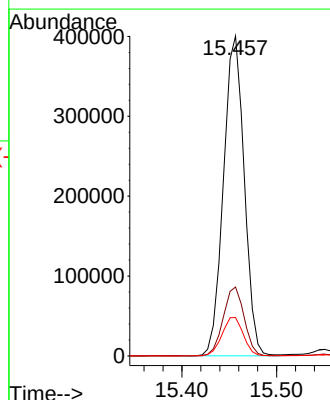
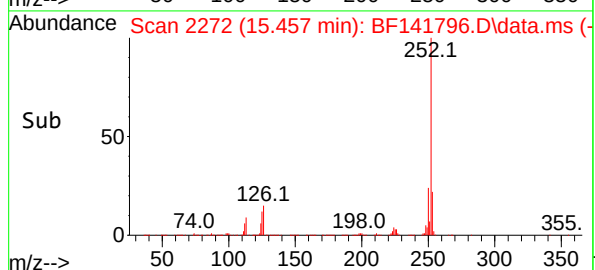
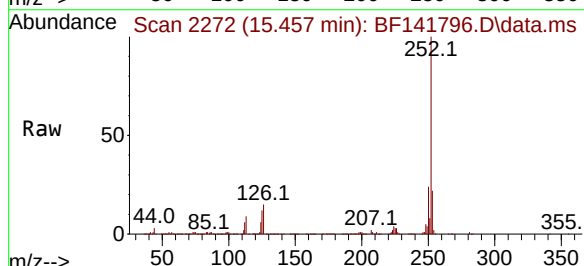
Tgt Ion:252 Resp: 610871

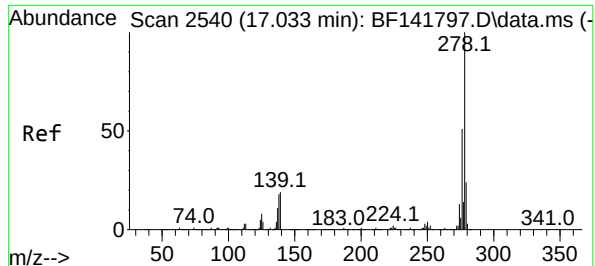
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

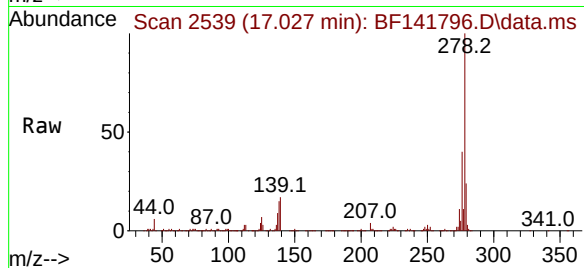
125 12.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 19.724 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

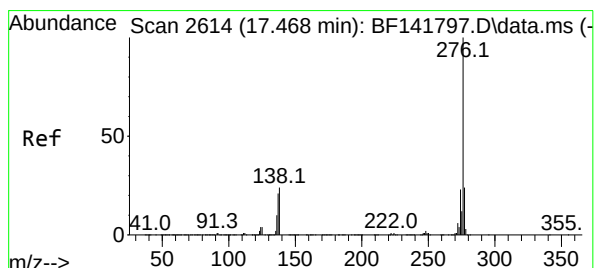
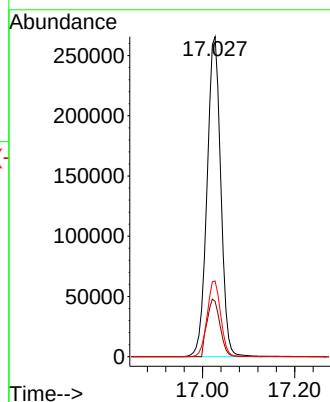
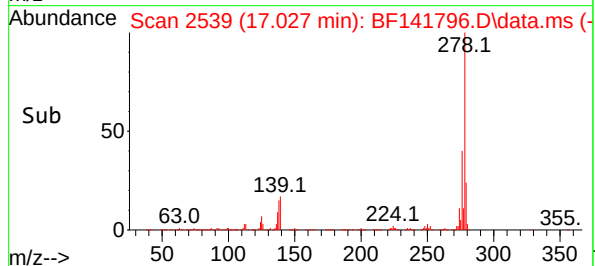
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

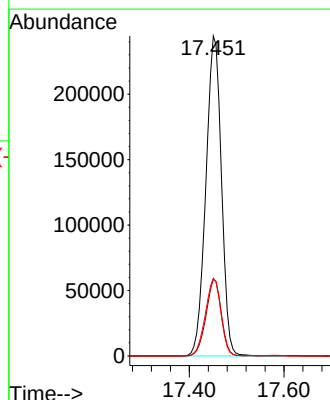
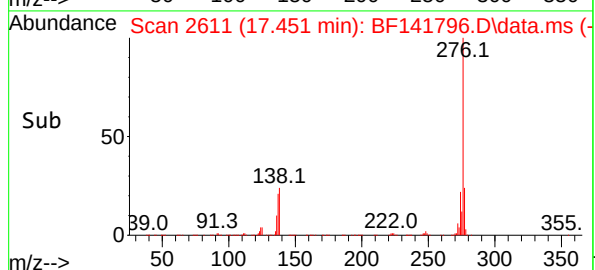
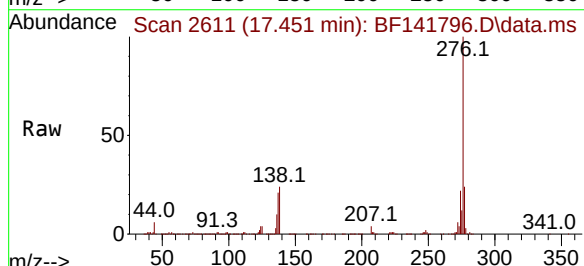
Manual Integrations
APPROVED

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

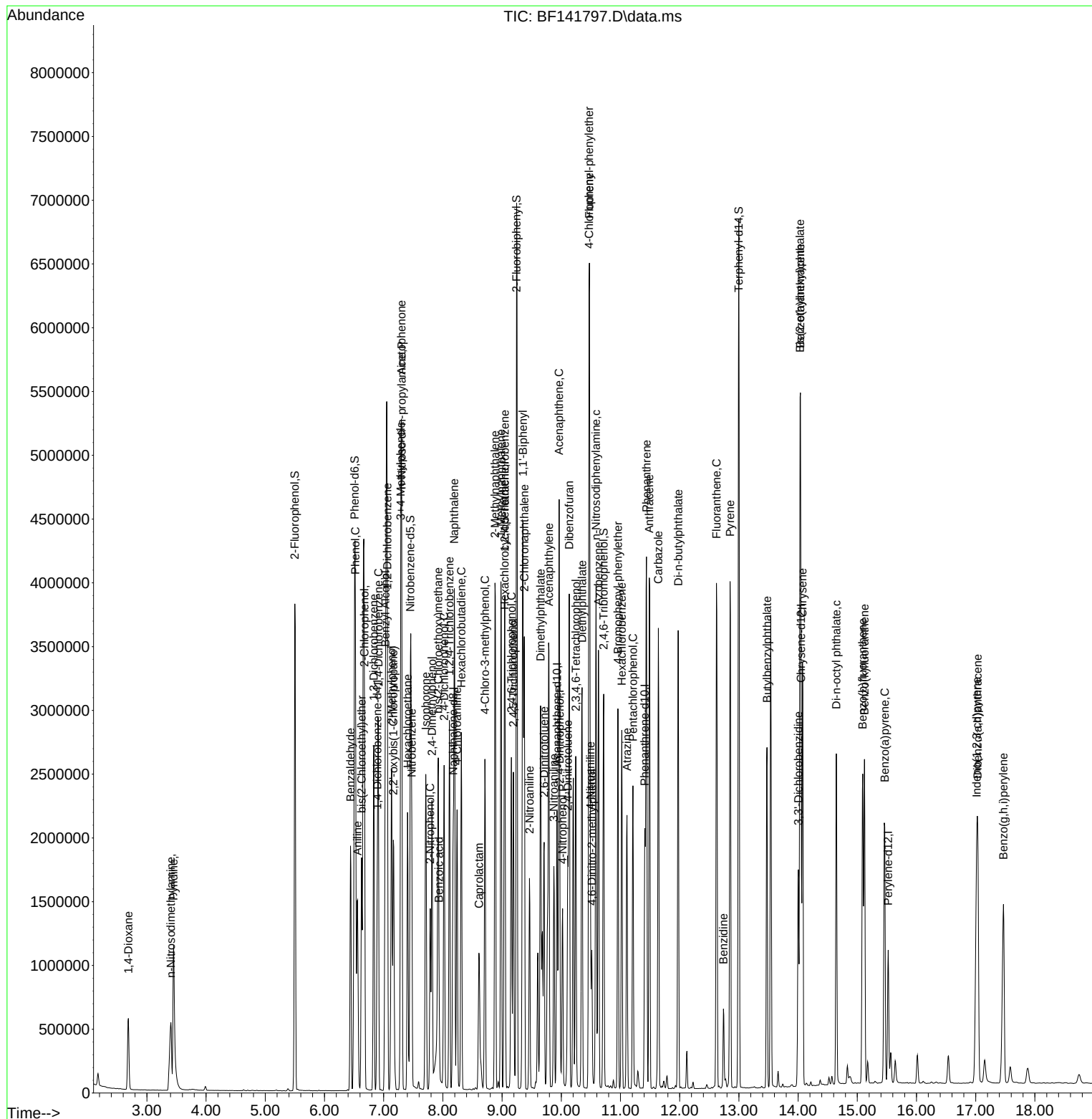
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	478749	41.448	ng	100
46) 1,1'-Biphenyl	9.351	154	1899694	39.917	ng	100
47) 2-Chloronaphthalene	9.375	162	1419149	40.402	ng	100
48) 2-Nitroaniline	9.463	65	375120	39.827	ng	100
49) Acenaphthylene	9.792	152	2139722	40.629	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

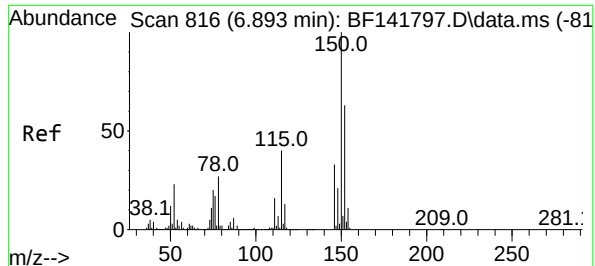
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

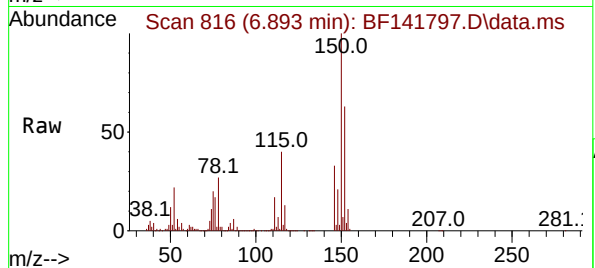
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025





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

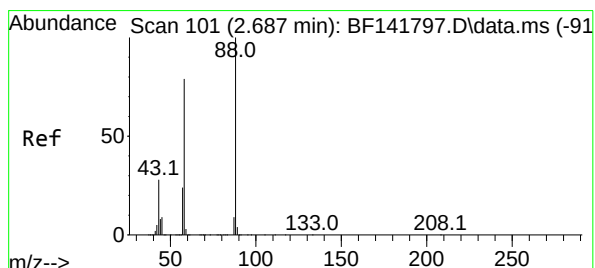
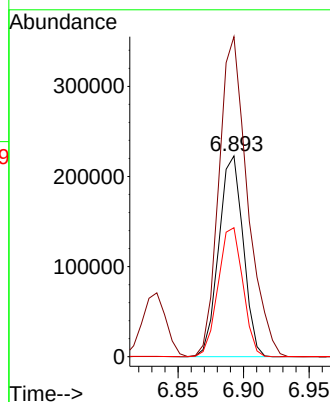
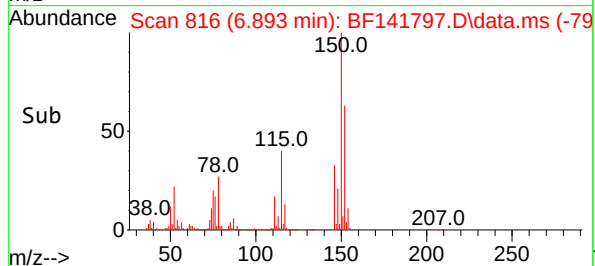
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

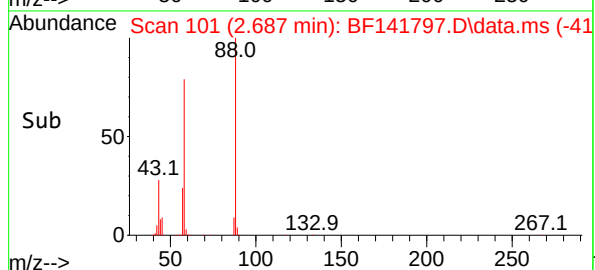
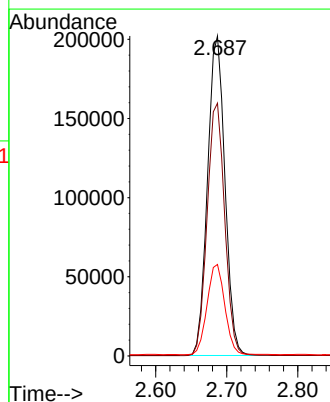
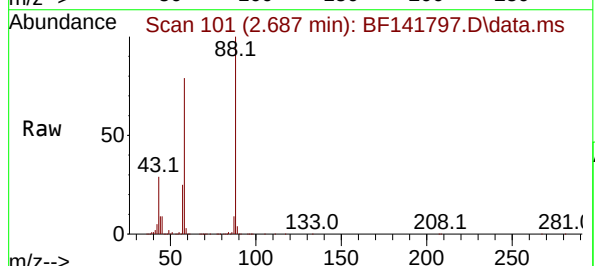
Manual Integrations
APPROVED

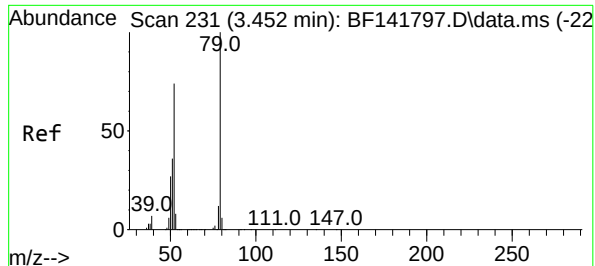
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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 :

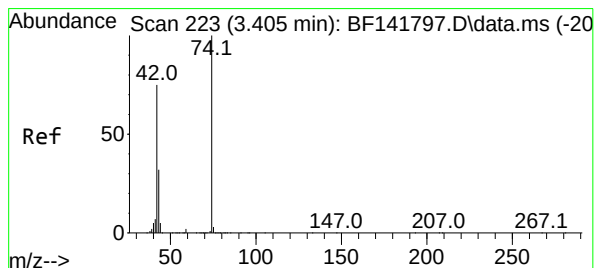
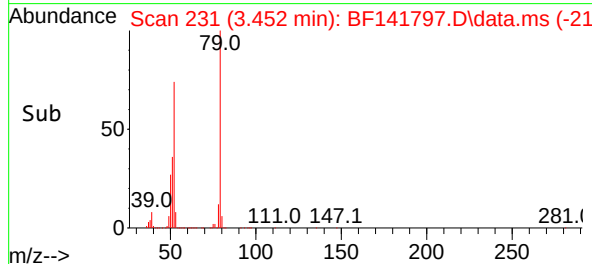
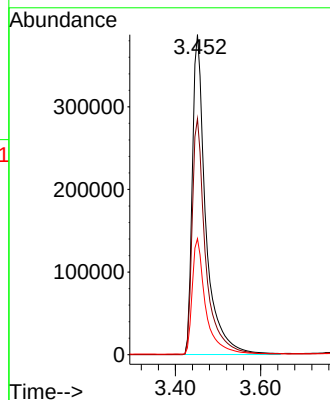
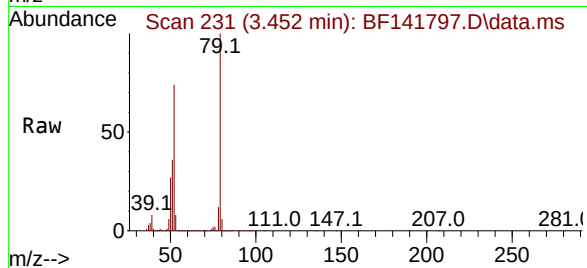
SSTDICCC040

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

APPROVED

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



#4

n-Nitrosodimethylamine

Concen: 42.911 ng

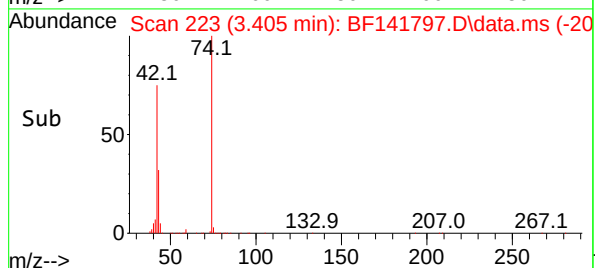
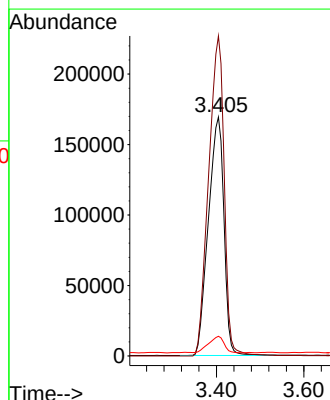
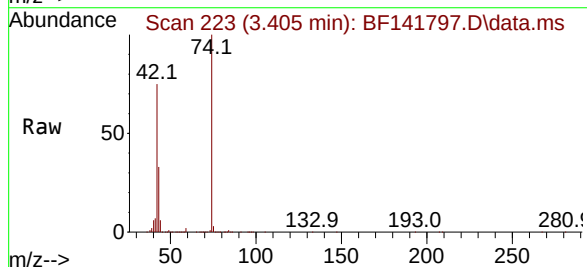
RT: 3.405 min Scan# 223

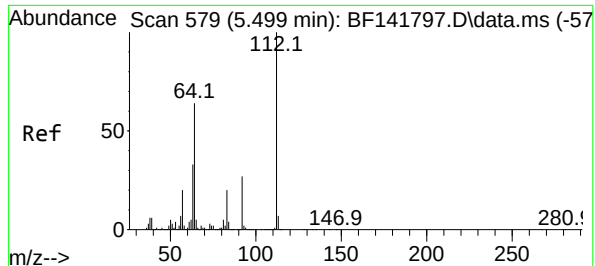
Delta R.T. 0.000 min

Lab File: BF141797.D

Acq: 27 Feb 2025 17:16

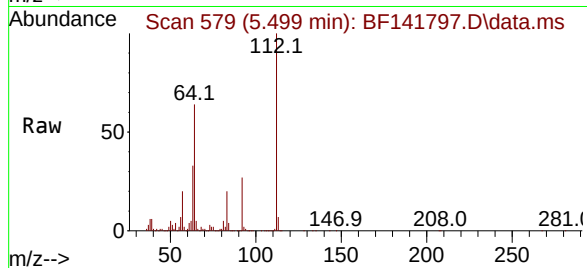
Tgt Ion:	42	Resp:	420465
Ion	Ratio	Lower	Upper
42	100		
74	133.9	107.1	160.7
44	8.2	6.6	9.8





#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

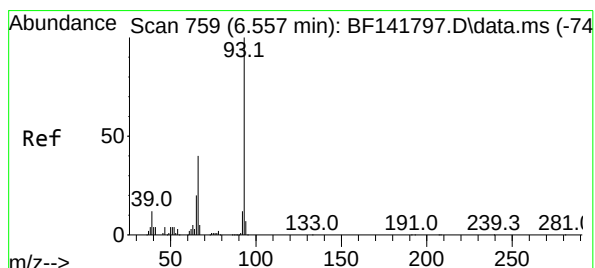
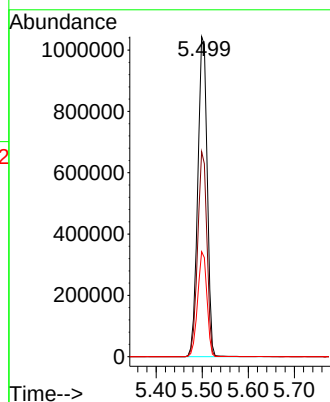
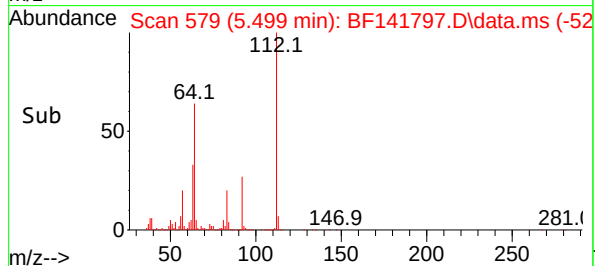
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

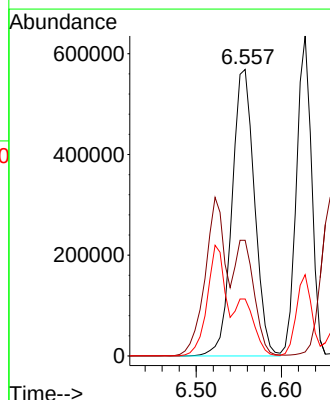
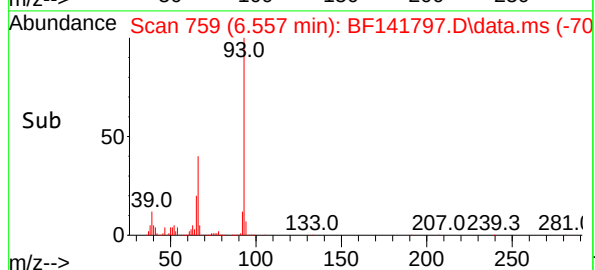
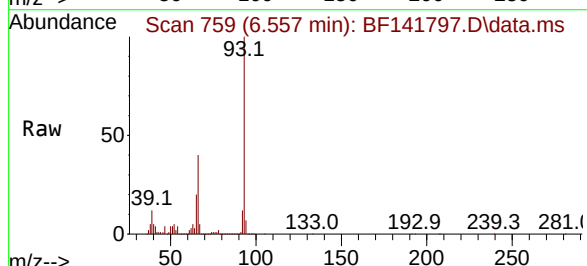
Manual Integrations
APPROVED

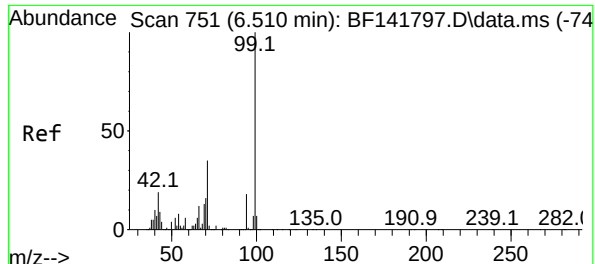
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

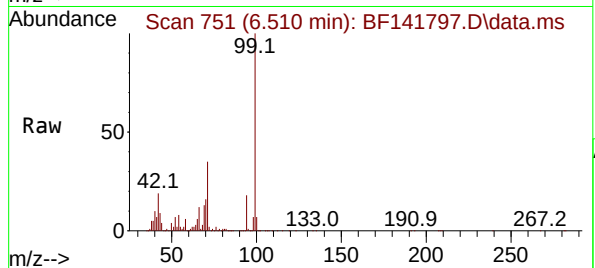
Tgt Ion: 93 Resp: 1042452
Ion Ratio Lower Upper
93 100
66 40.4 32.3 48.5
65 19.9 15.9 23.9





#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

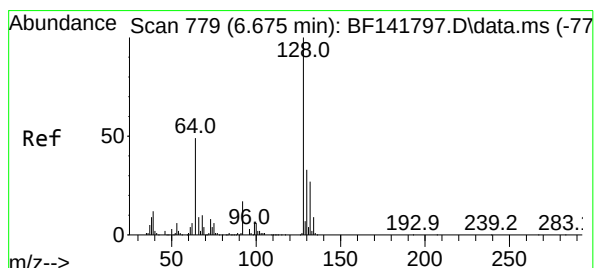
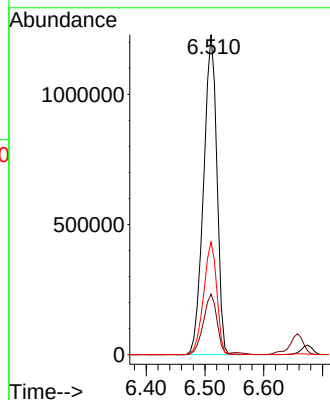
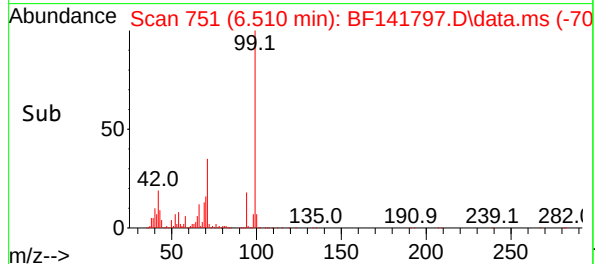
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



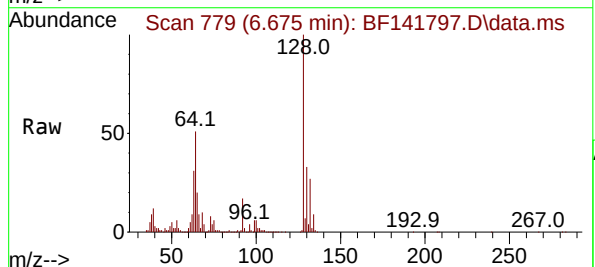
Tgt Ion: 99 Resp: 1940700
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 35.2 28.2 42.2

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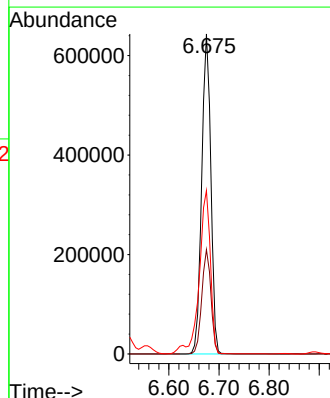
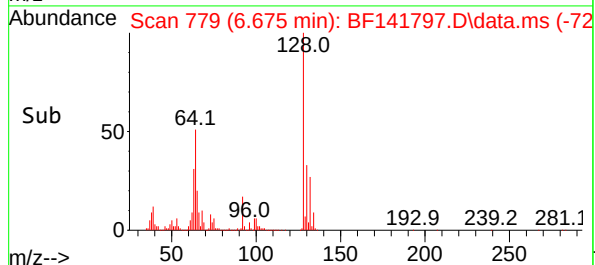
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

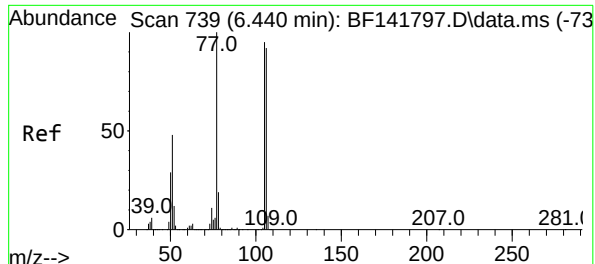


#8
2-Chlorophenol
Concen: 41.681 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16



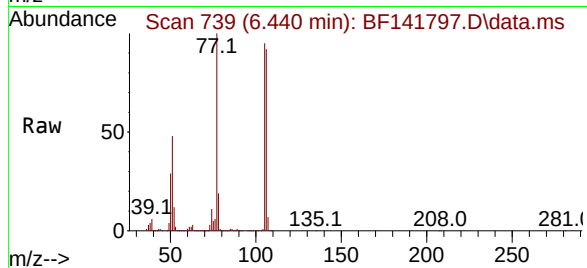
Tgt Ion:128 Resp: 813316
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 51.1 31.1 71.1





#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

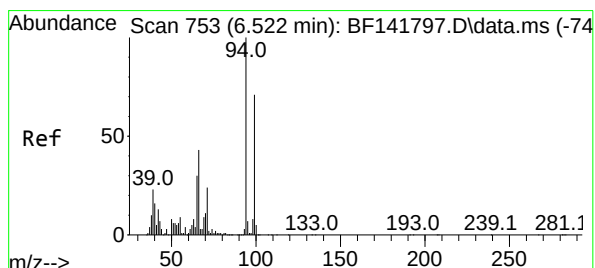
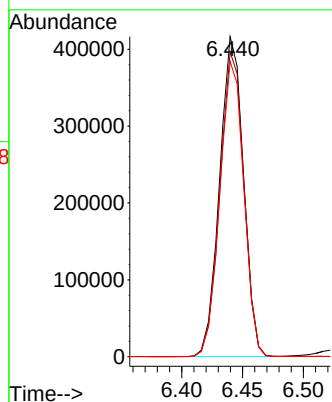
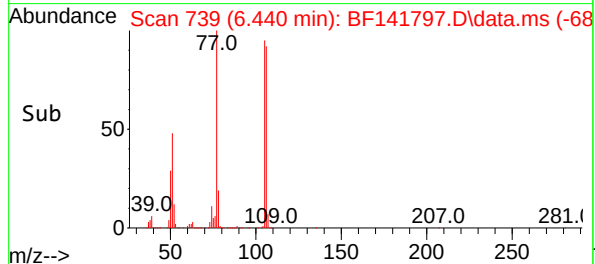
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

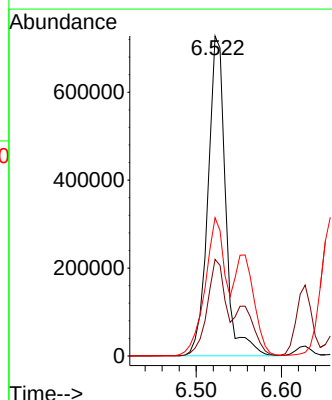
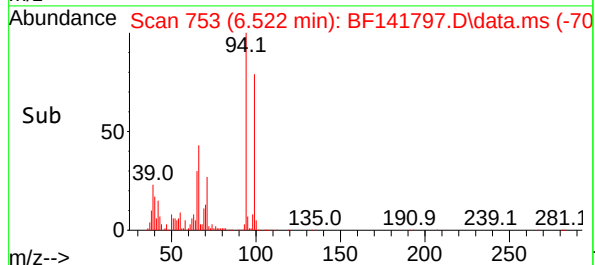
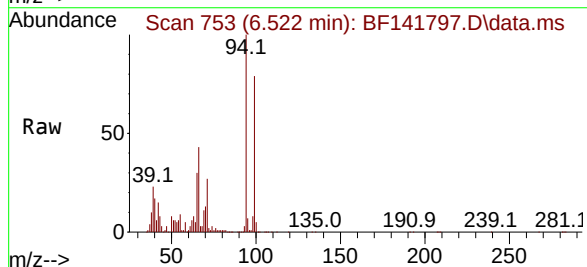
Manual Integrations
APPROVED

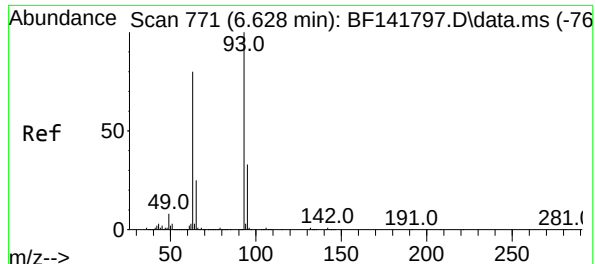
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

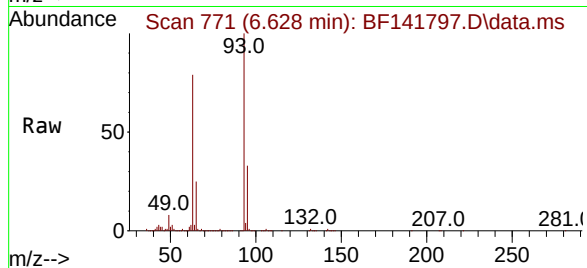
Tgt Ion: 94 Resp: 1048185
Ion Ratio Lower Upper
94 100
65 30.2 10.2 50.2
66 43.2 23.2 63.2





#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

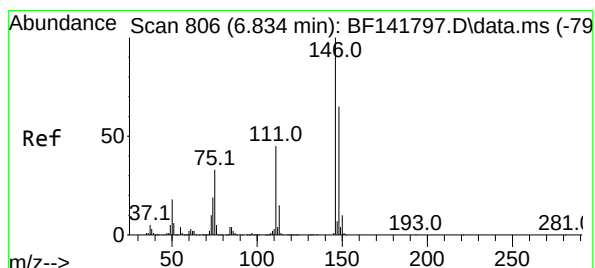
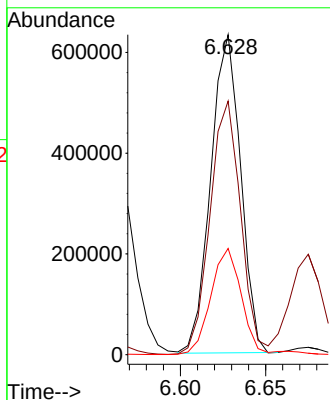
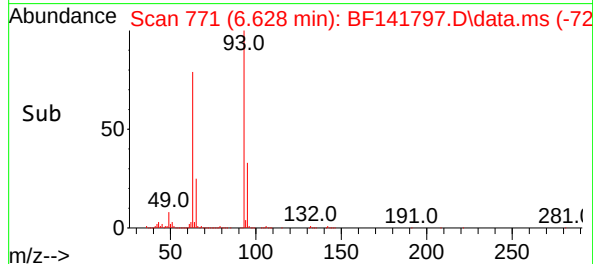
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



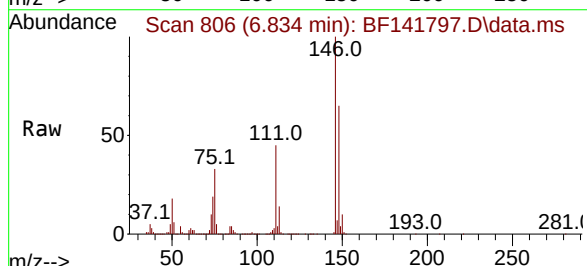
Tgt Ion: 93 Resp: 77164
Ion Ratio Lower Upper
93 100
63 79.3 59.3 99.3
95 33.2 13.2 53.2

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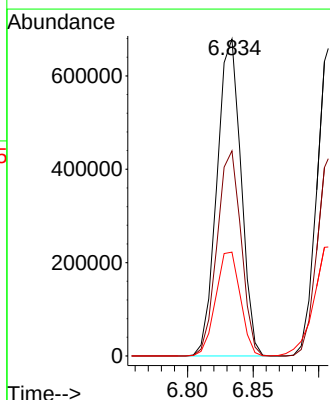
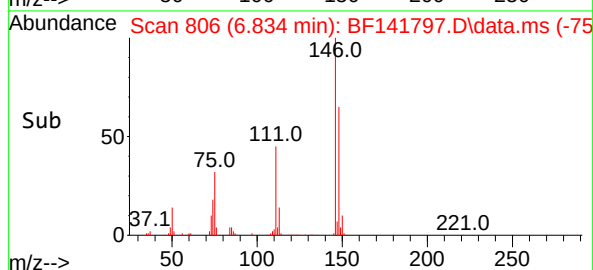
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

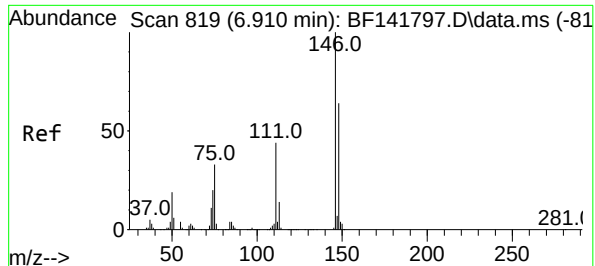


#12
1,3-Dichlorobenzene
Concen: 41.465 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16



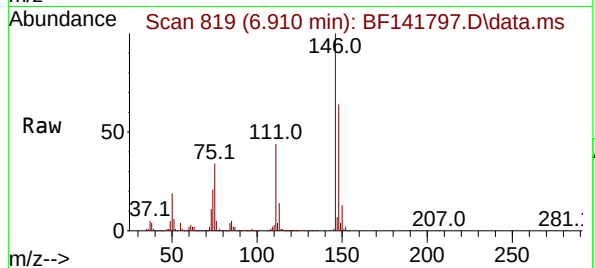
Tgt Ion:146 Resp: 866494
Ion Ratio Lower Upper
146 100
148 64.7 51.8 77.6
75 32.8 26.2 39.4





#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

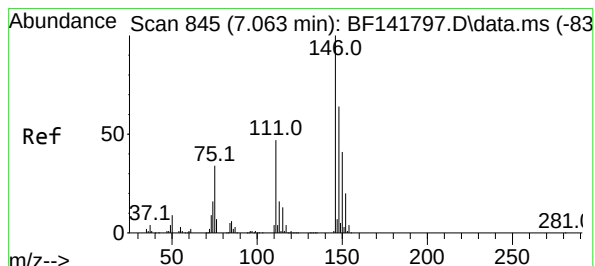
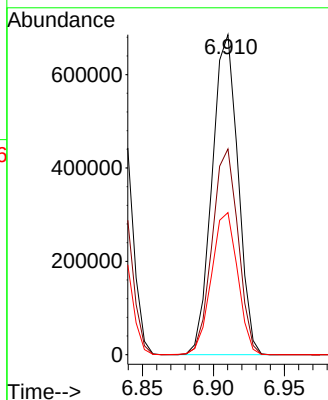
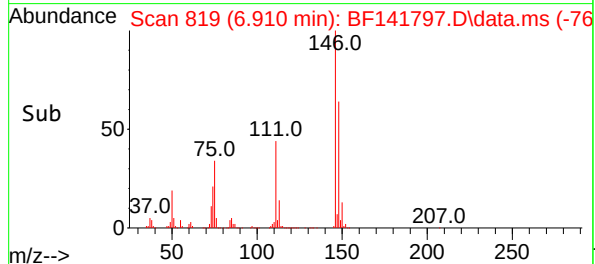
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

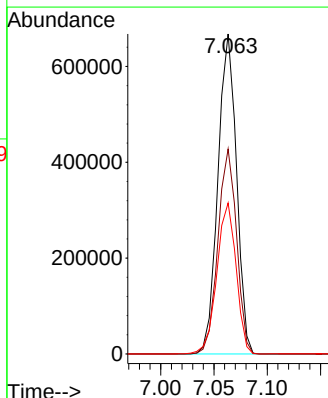
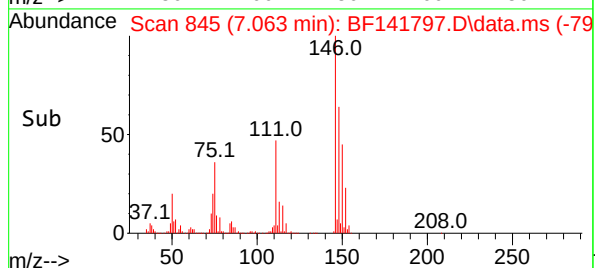
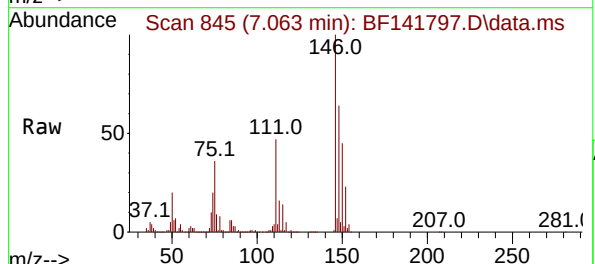
Manual Integrations
APPROVED

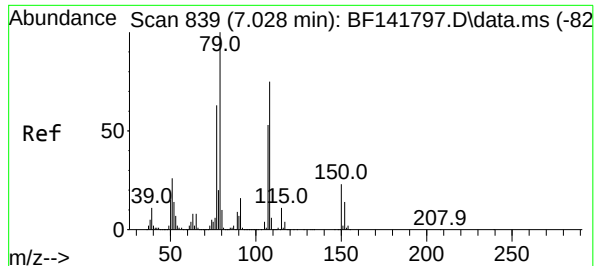
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

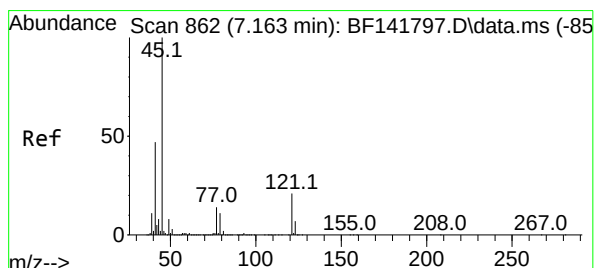
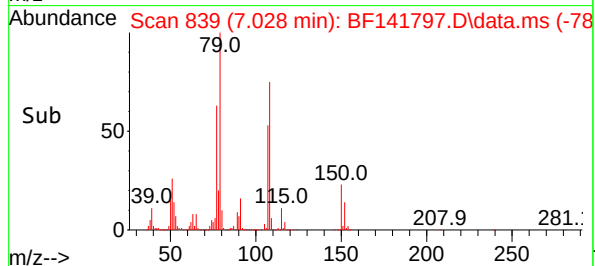
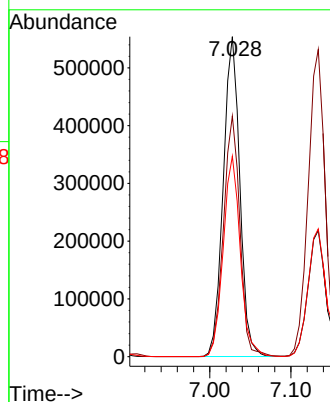
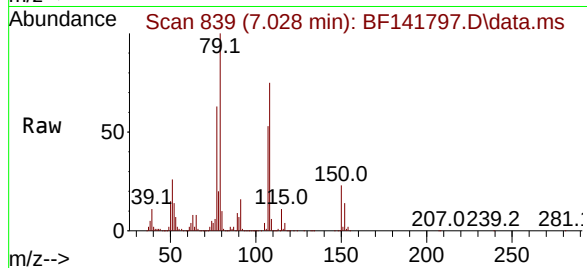
77 62.7 50.2 75.2

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

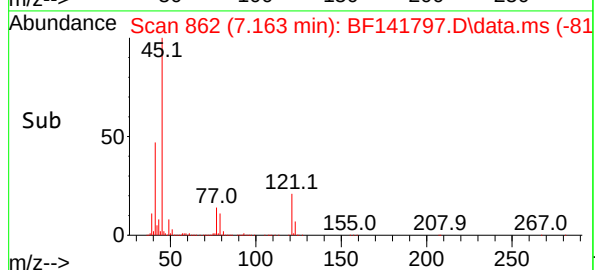
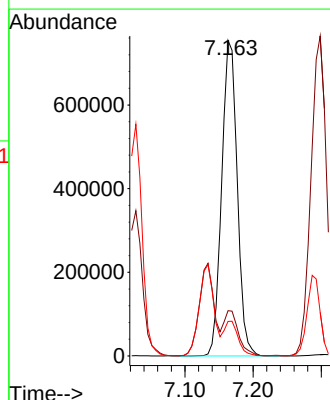
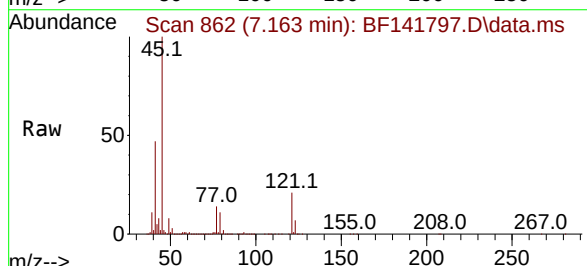
Tgt Ion: 45 Resp: 1197610

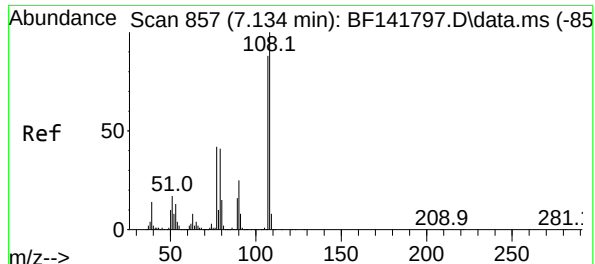
Ion Ratio Lower Upper

45 100

77 14.4 0.0 34.4

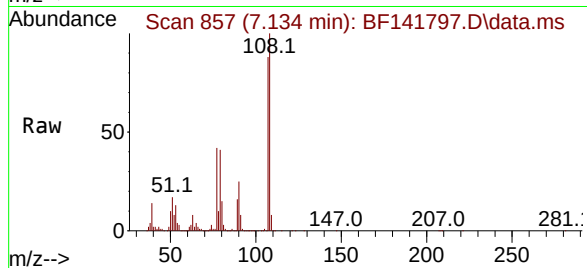
79 10.9 0.0 30.9





#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

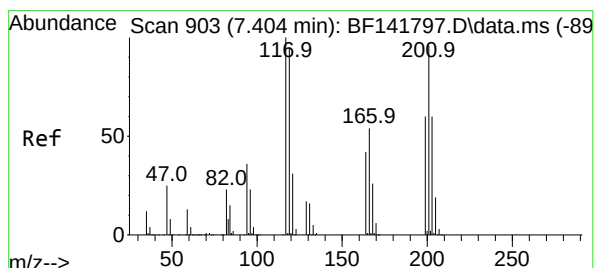
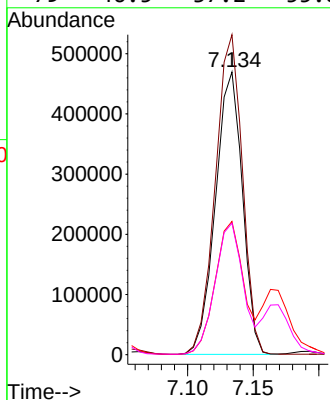
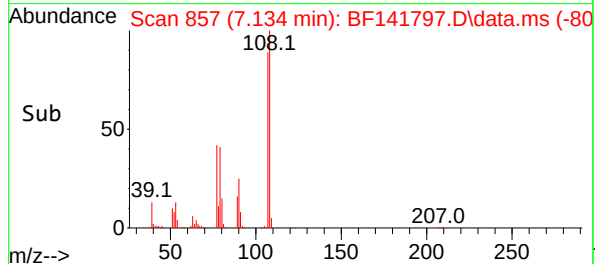
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 67059
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

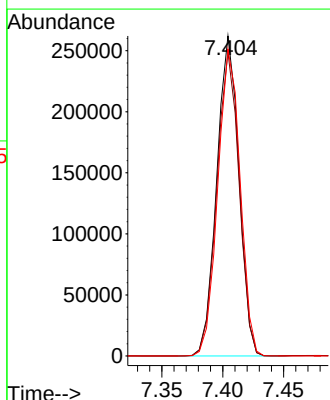
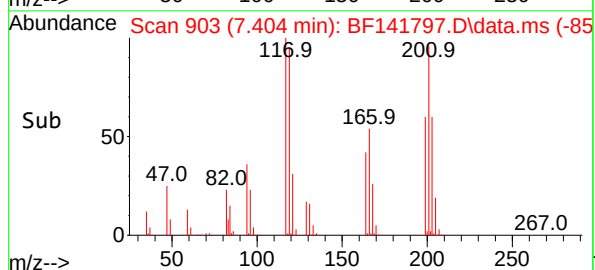
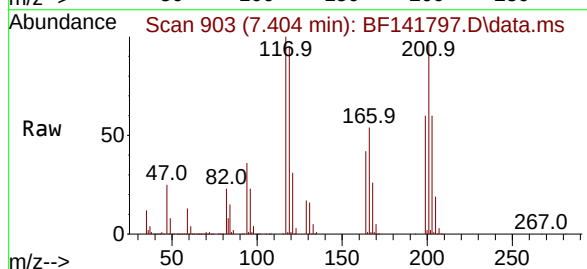
Manual Integrations
APPROVED

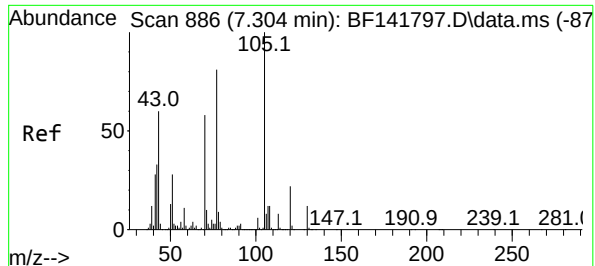
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

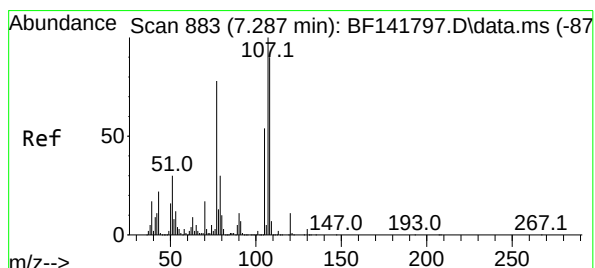
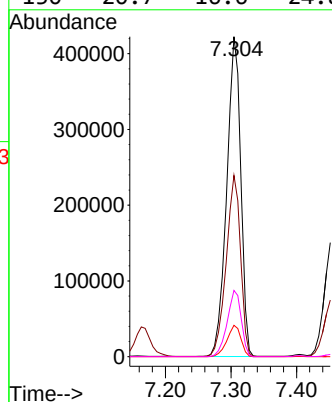
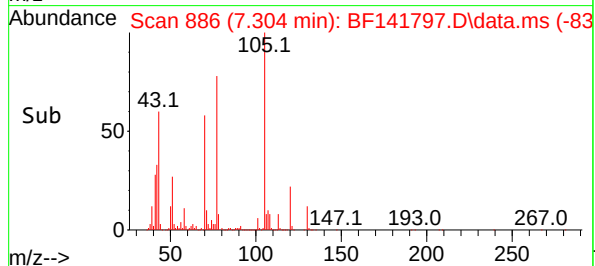
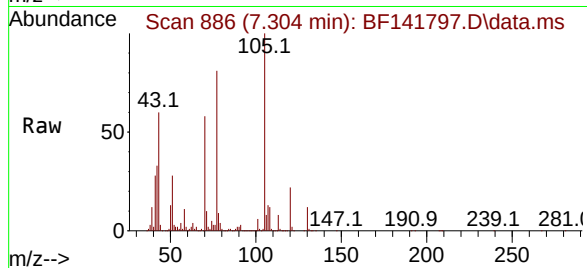
130 20.7 16.6 24.8

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

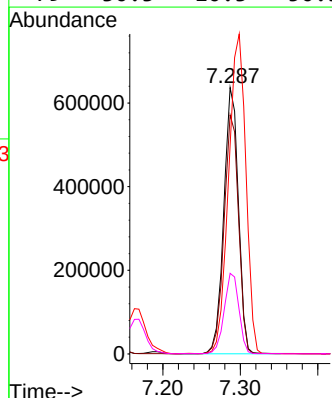
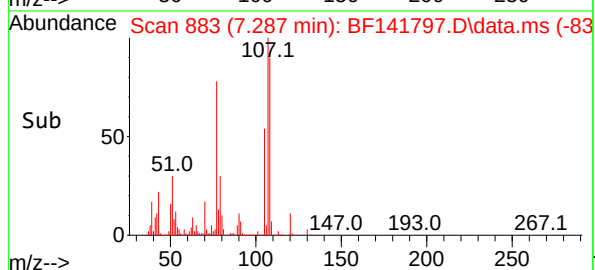
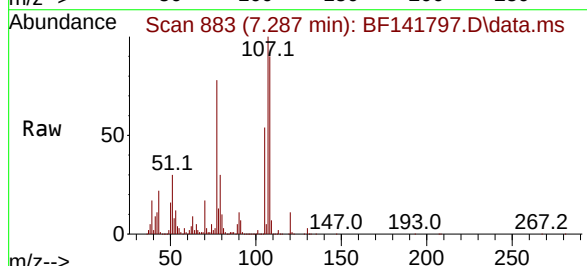
Ion Ratio Lower Upper

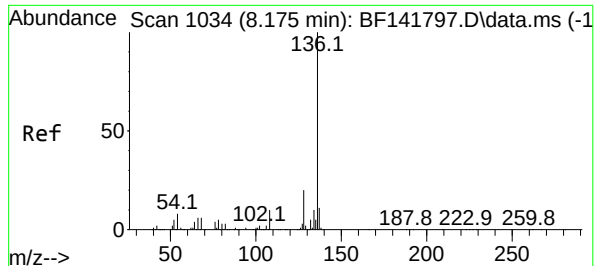
107 100

108 89.7 69.7 109.7

77 78.3 58.3 98.3

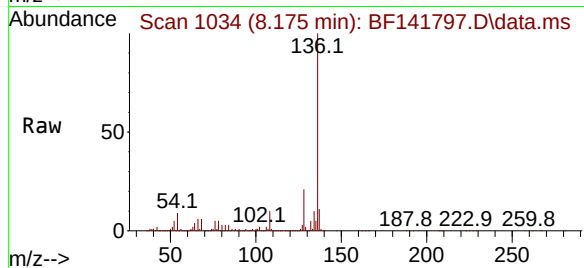
79 30.3 10.3 50.3





#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

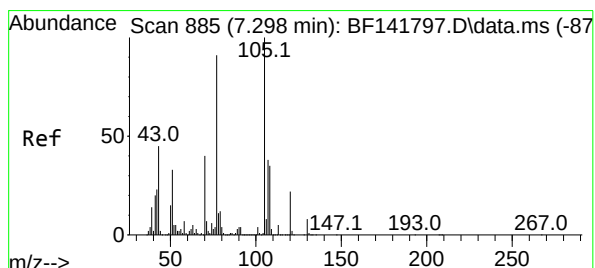
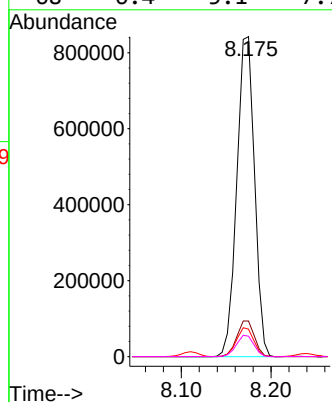
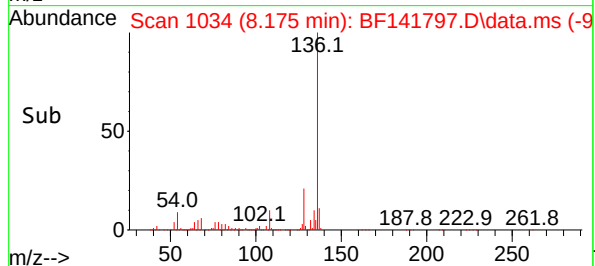
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

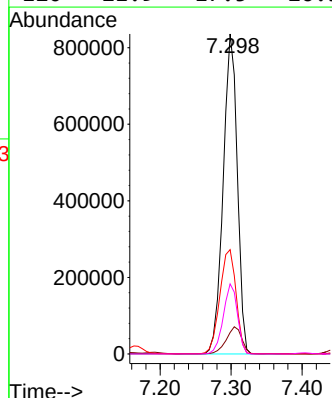
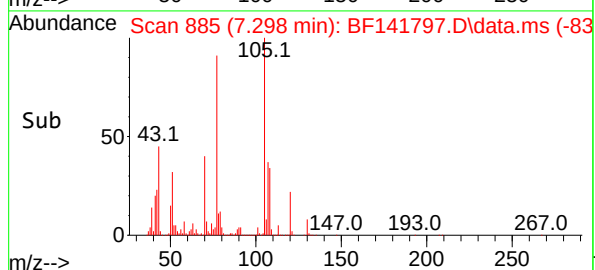
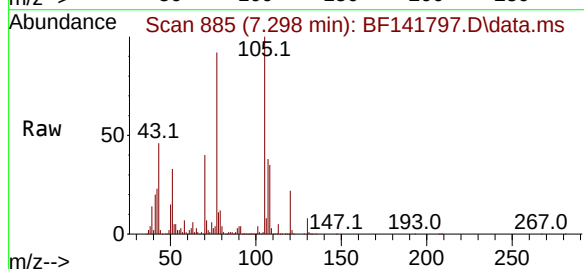
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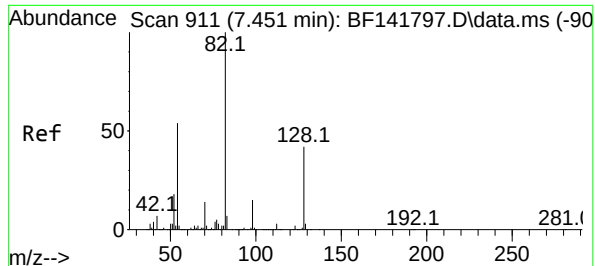
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

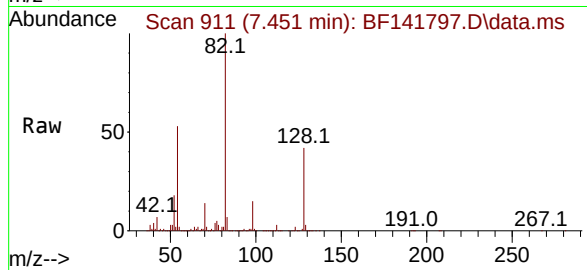
Tgt Ion:105 Resp: 1147737
Ion Ratio Lower Upper
105 100
71 6.7 5.4 8.0
51 32.6 26.1 39.1
120 21.9 17.5 26.3





#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

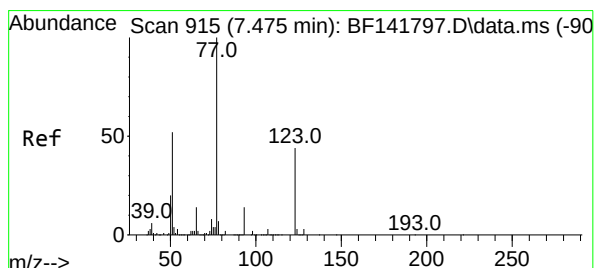
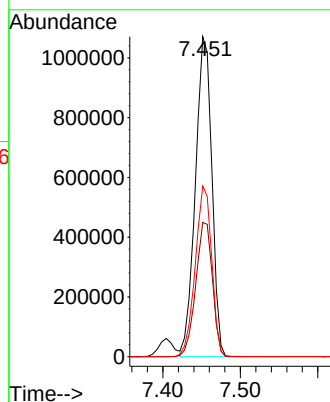
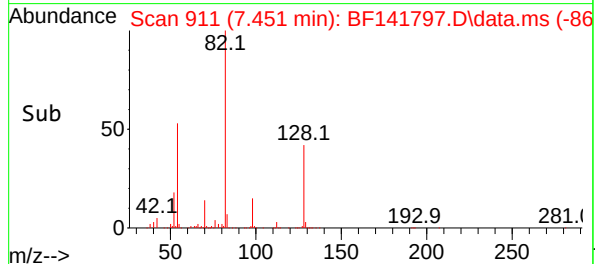
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

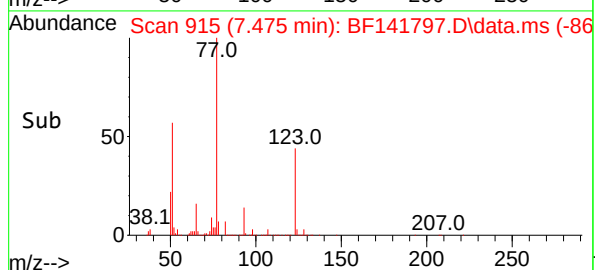
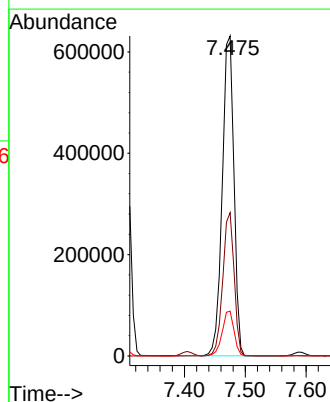
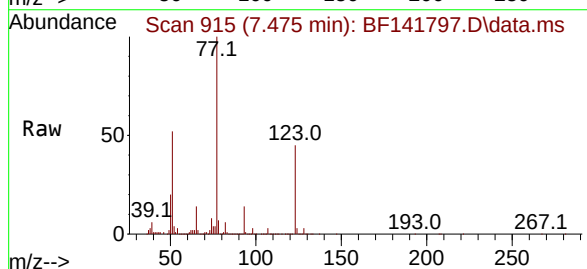
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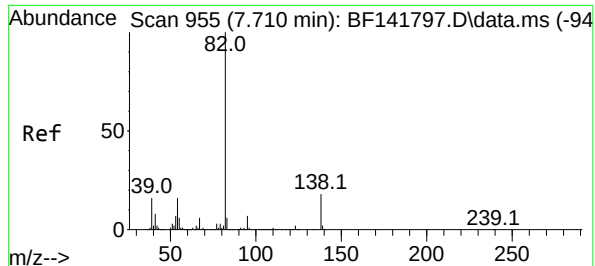
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

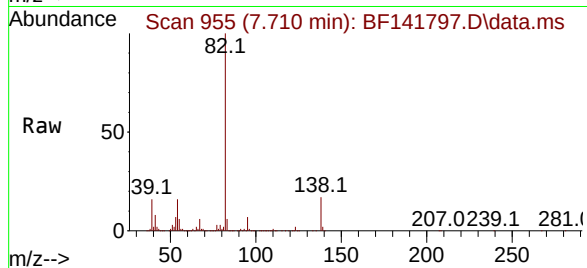
Tgt Ion: 77 Resp: 839887
Ion Ratio Lower Upper
77 100
123 44.8 35.8 53.8
65 14.0 11.2 16.8





#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

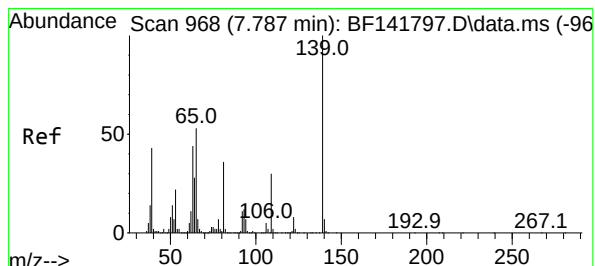
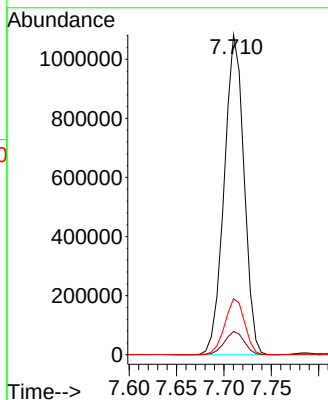
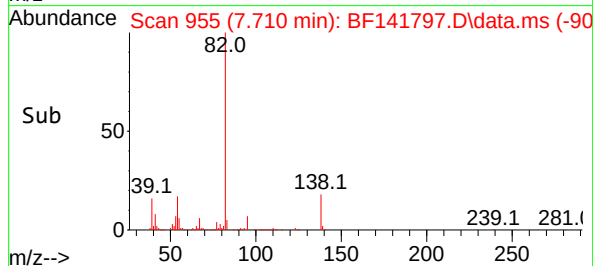
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

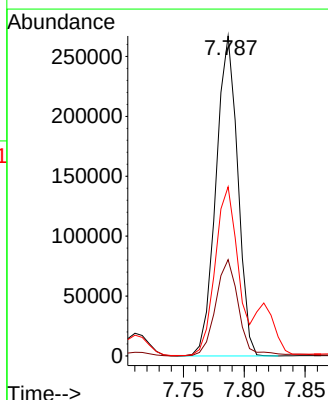
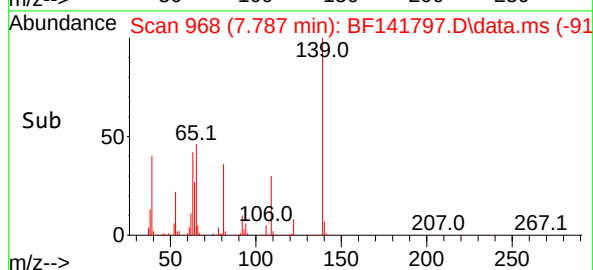
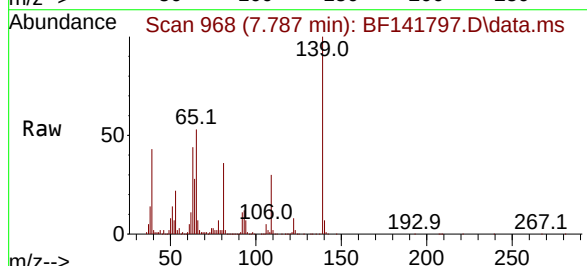
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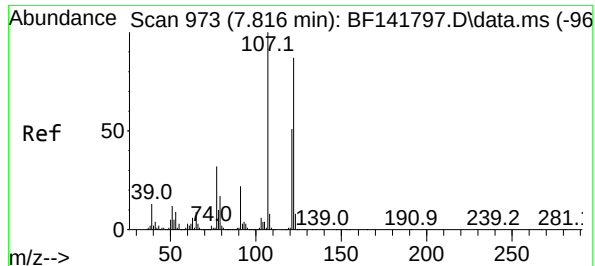
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

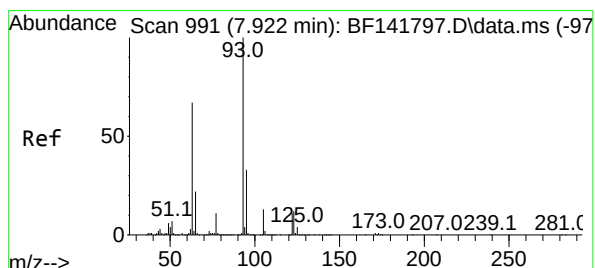
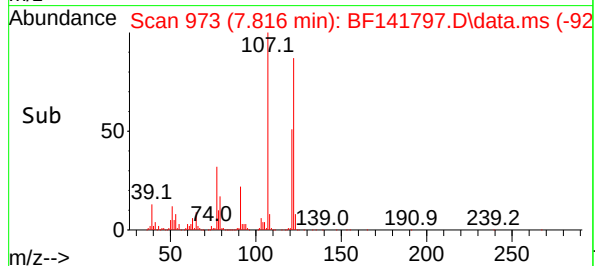
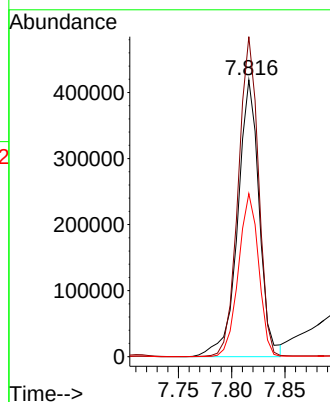
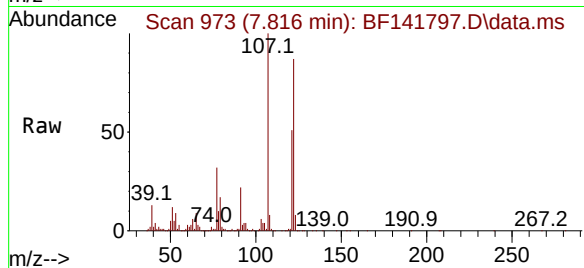
121 58.9 47.1 70.7

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

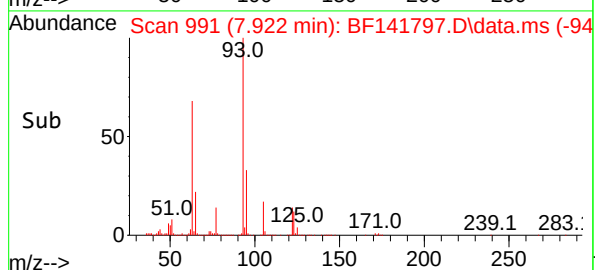
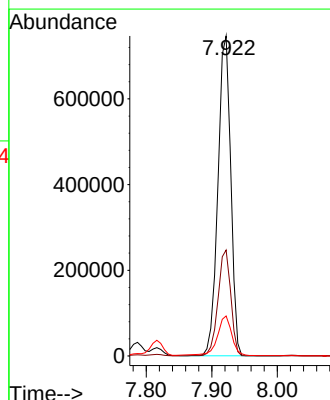
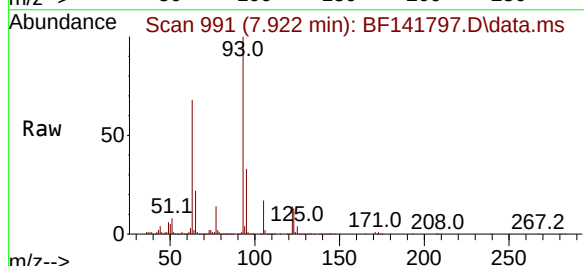
Tgt Ion: 93 Resp: 1006606

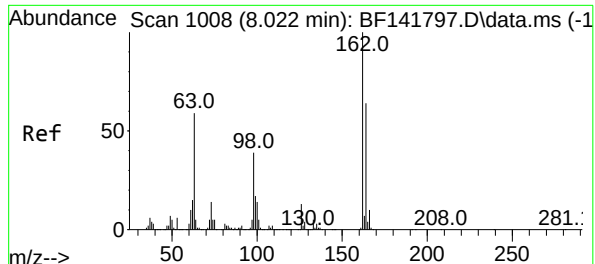
Ion Ratio Lower Upper

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

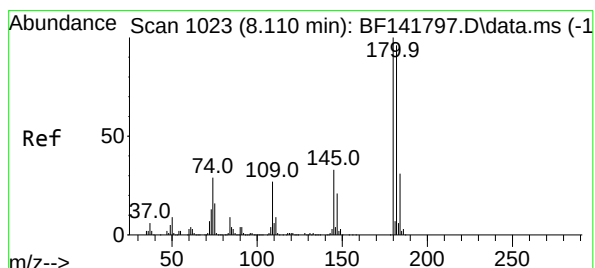
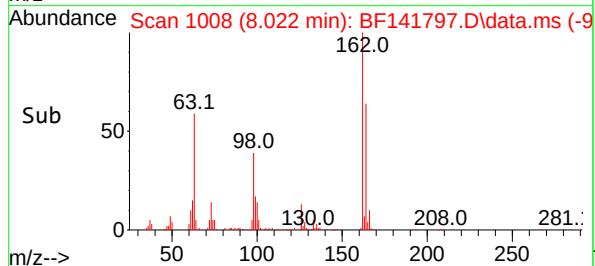
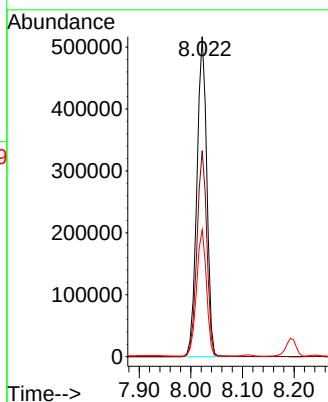
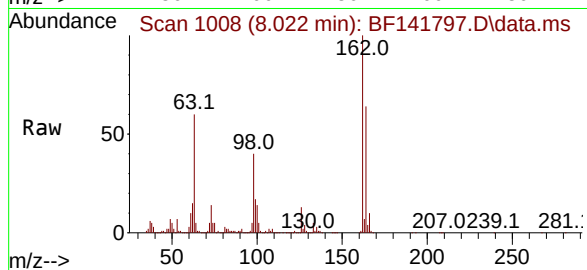
98 39.6 19.6 59.6

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

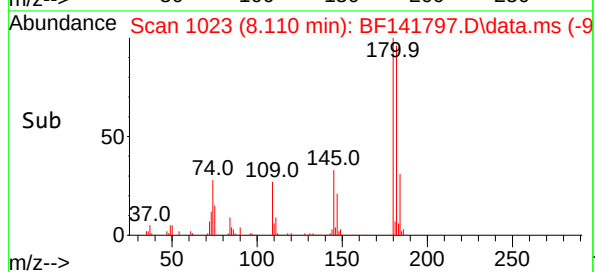
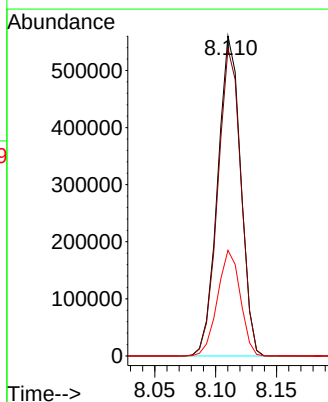
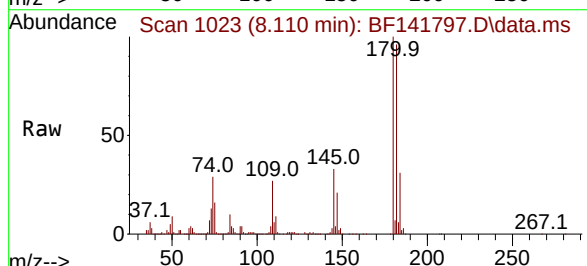
Tgt Ion:180 Resp: 737573

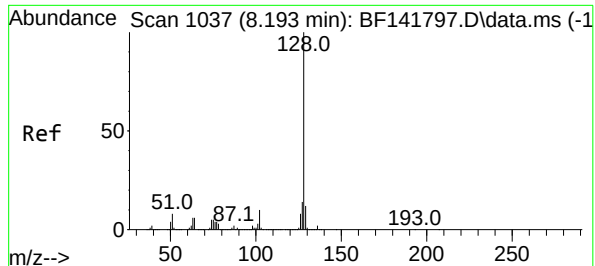
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

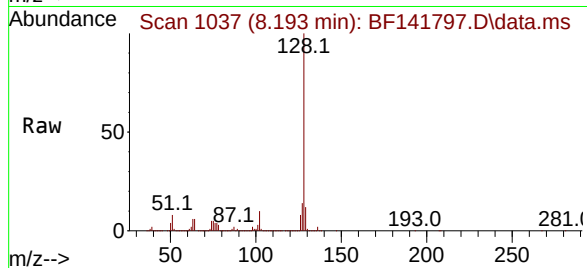
145 33.0 26.4 39.6





#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

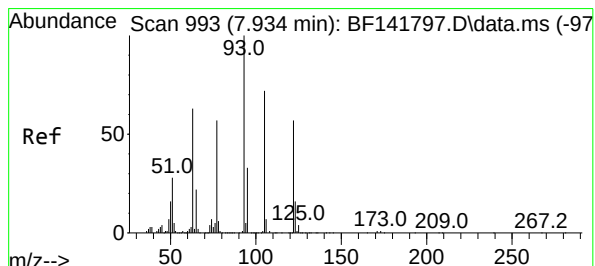
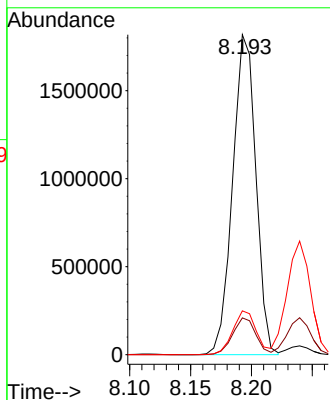
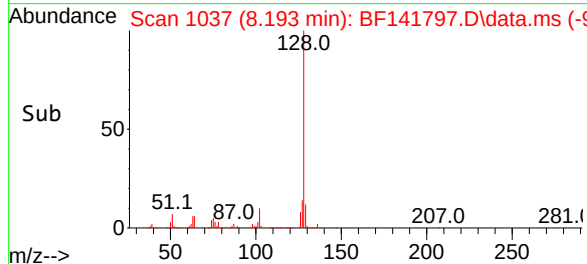
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

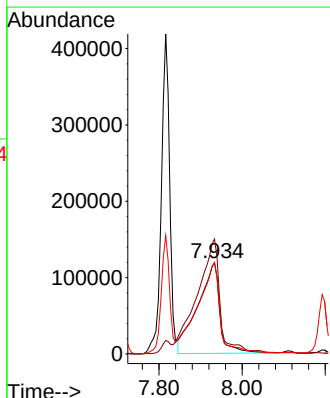
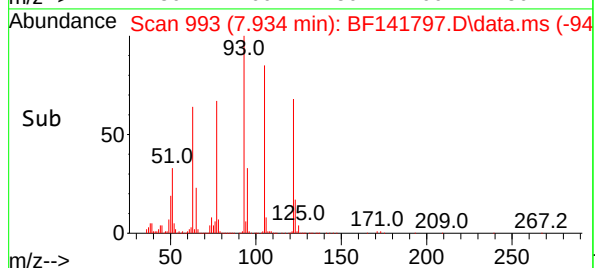
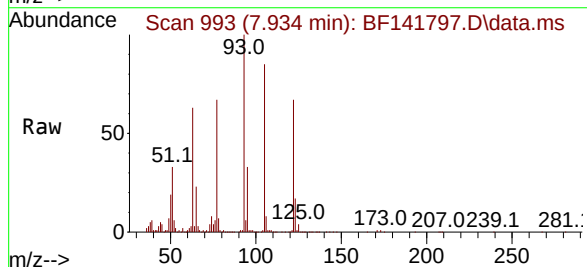
Manual Integrations
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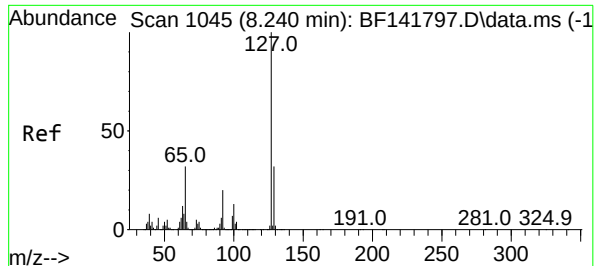
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

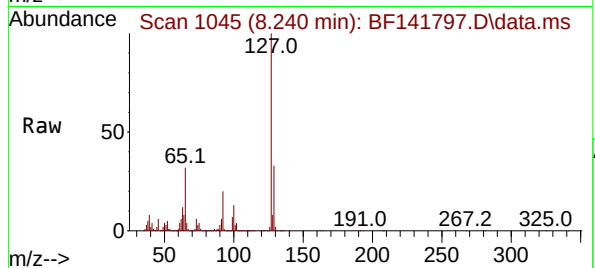
Tgt Ion:122 Resp: 442477
Ion Ratio Lower Upper
122 100
105 125.8 105.8 145.8
77 99.9 79.9 119.9





#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

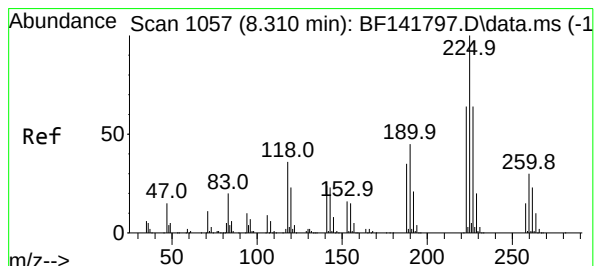
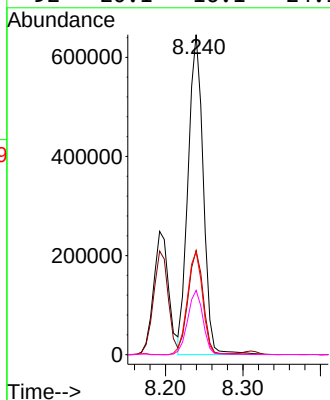
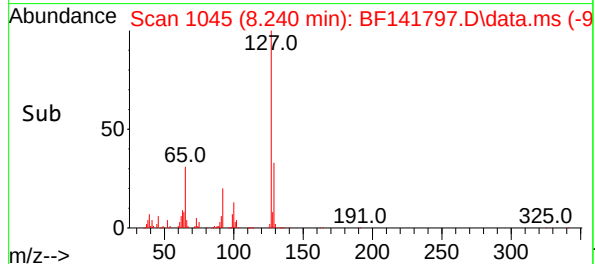
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

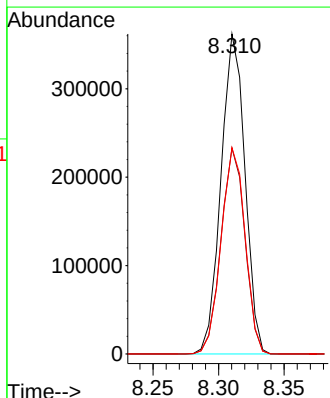
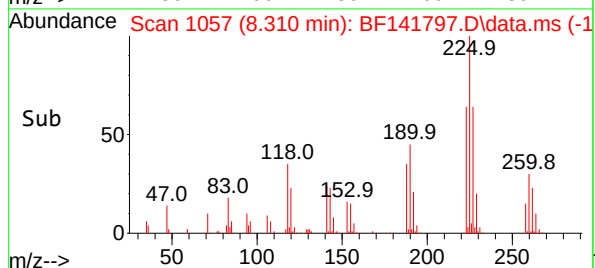
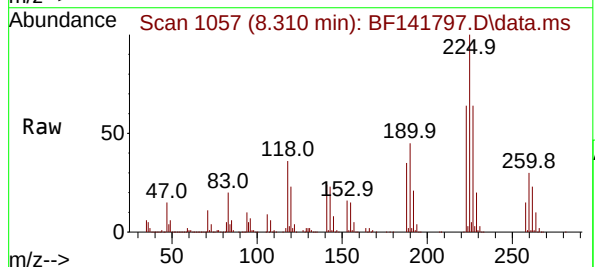
Manual Integrations
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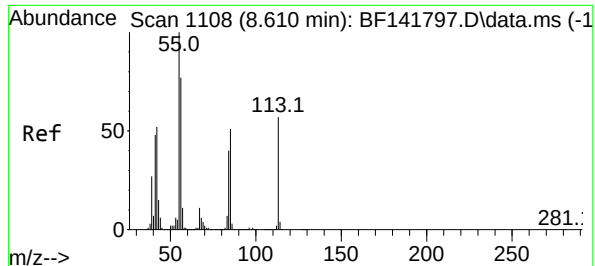
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

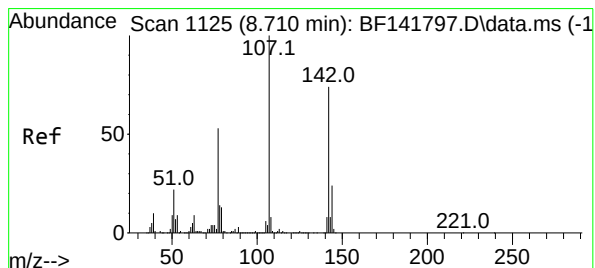
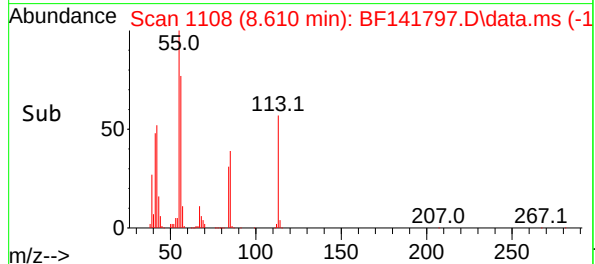
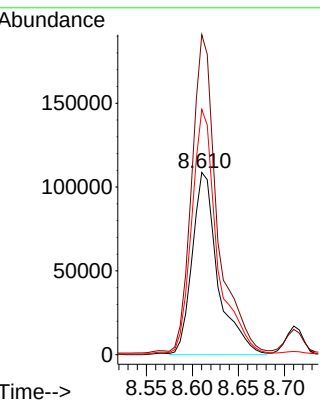
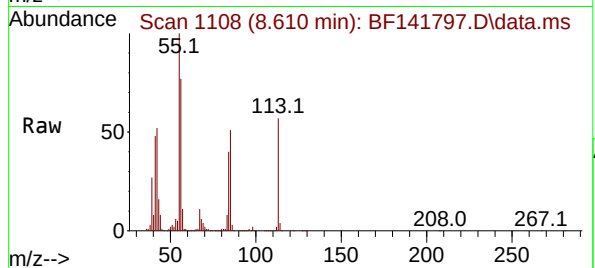
56 134.6 114.6 154.6

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

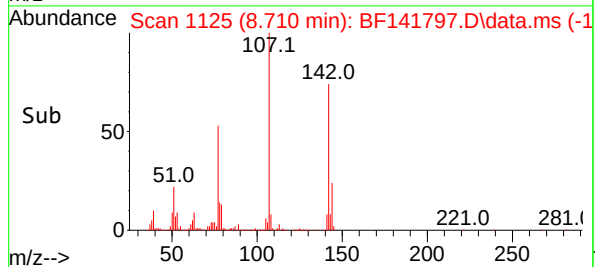
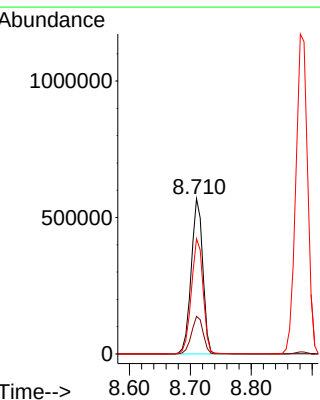
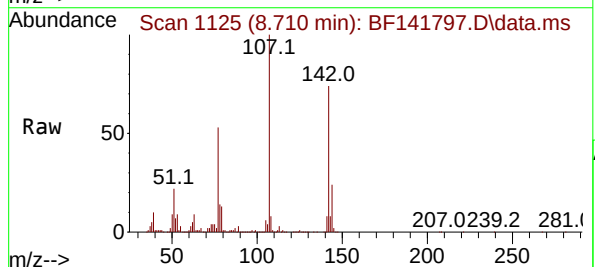
Tgt Ion:107 Resp: 752961

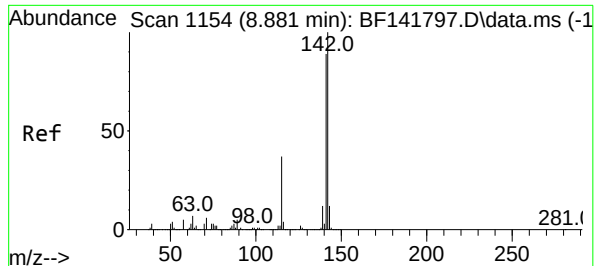
Ion Ratio Lower Upper

107 100

144 24.2 19.4 29.0

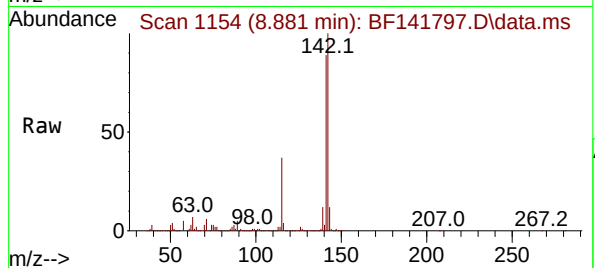
142 74.2 59.4 89.0





#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

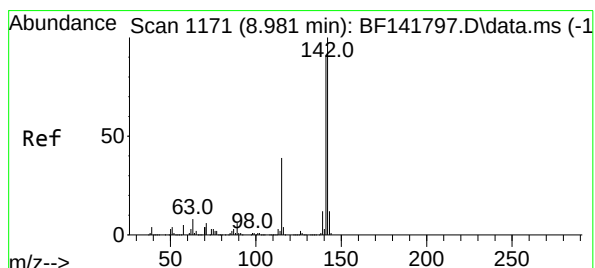
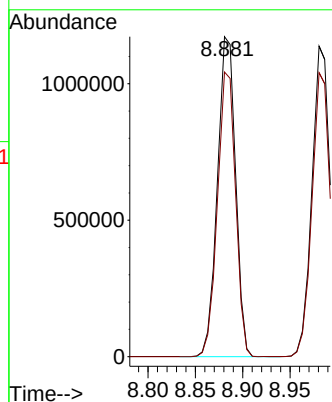
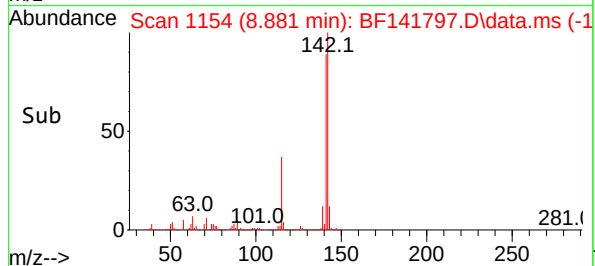
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

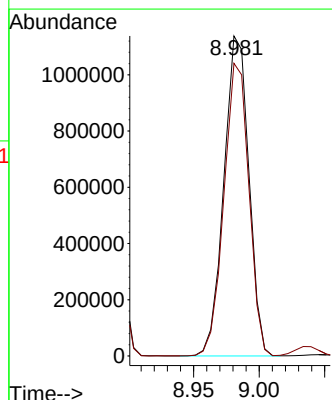
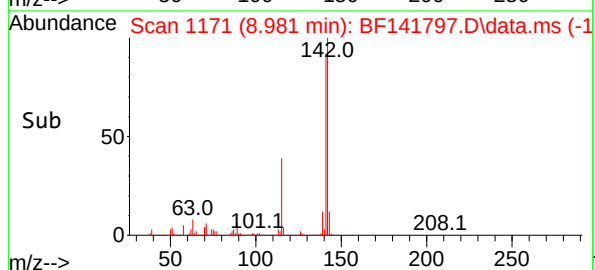
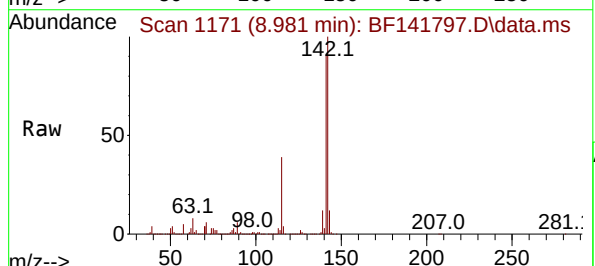
Manual Integrations
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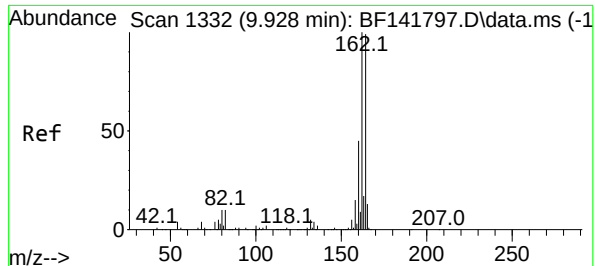
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

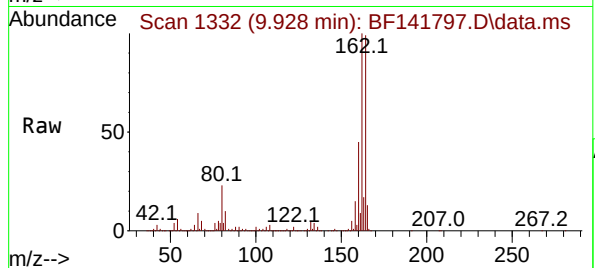
Acq: 27 Feb 2025 17:16

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 625240

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

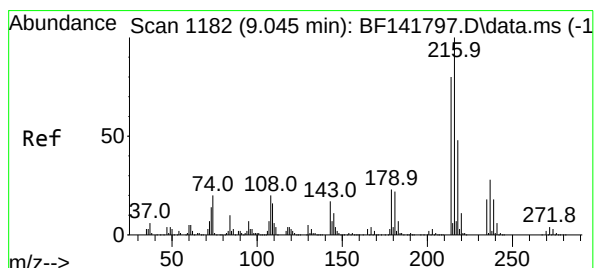
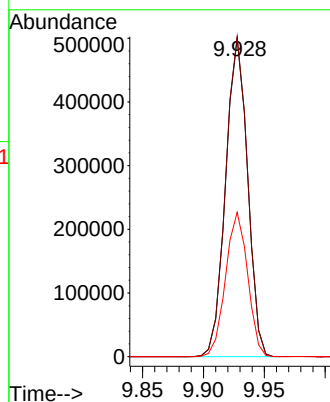
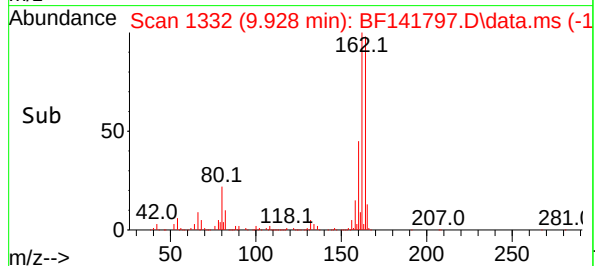
160 45.4 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#40

1,2,4,5-Tetrachlorobenzene

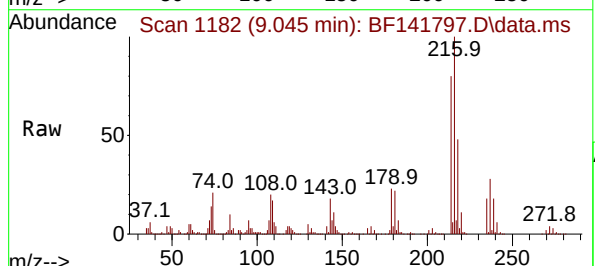
Concen: 40.786 ng

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

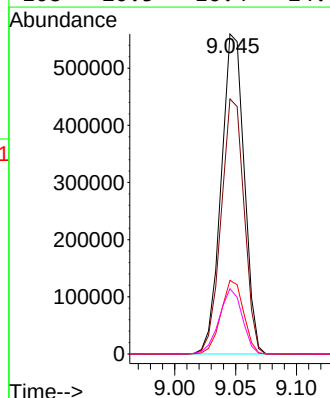
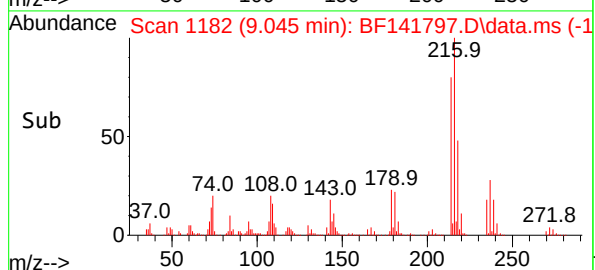
Ion Ratio Lower Upper

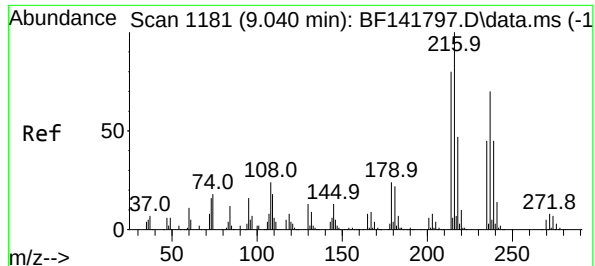
216 100

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

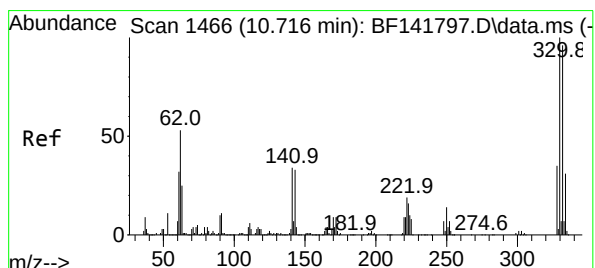
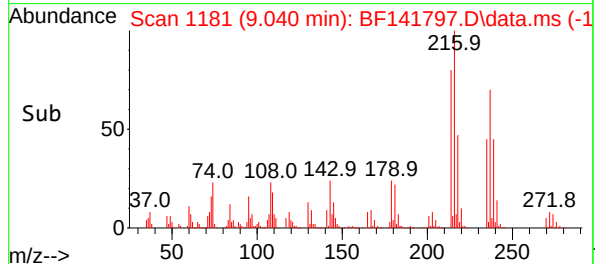
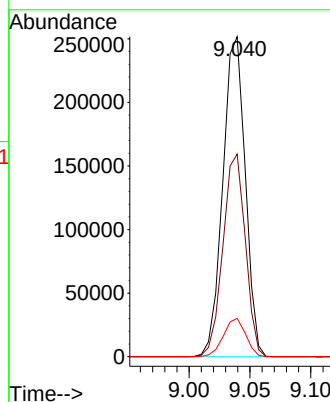
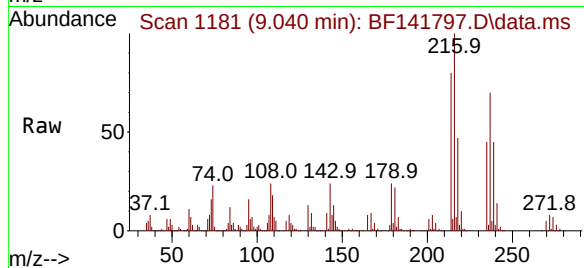
272 11.9 0.0 31.9

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

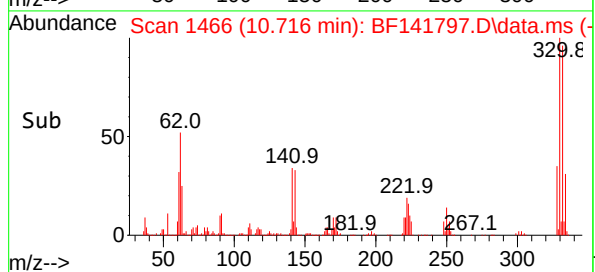
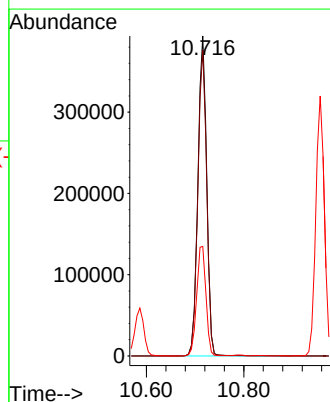
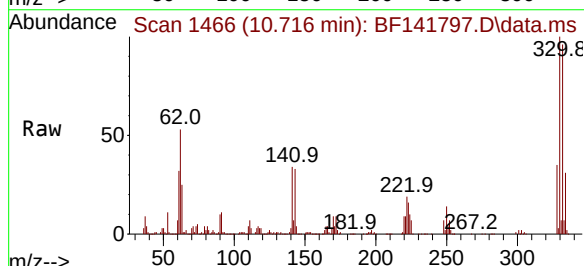
Tgt Ion:330 Resp: 498702

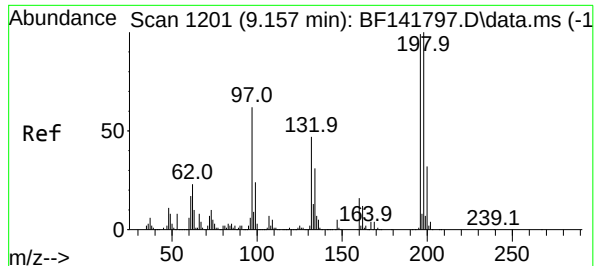
Ion Ratio Lower Upper

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

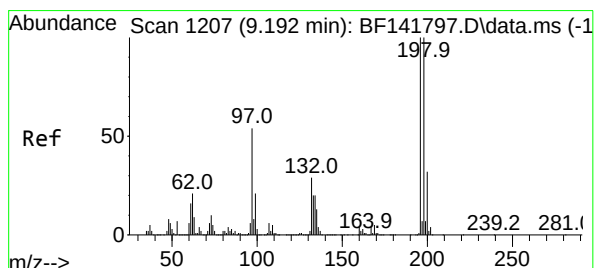
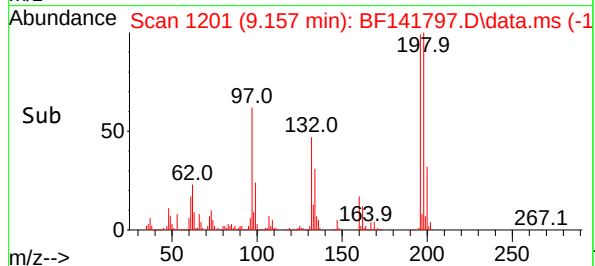
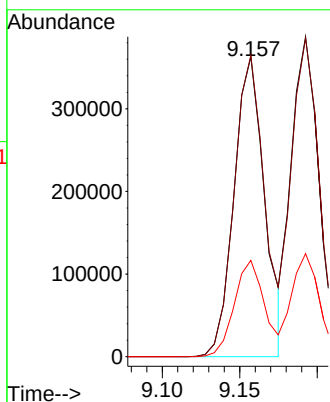
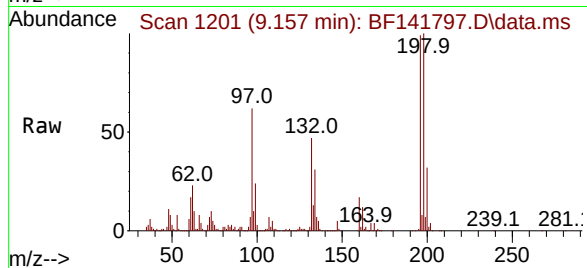
200 32.1 25.7 38.5

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

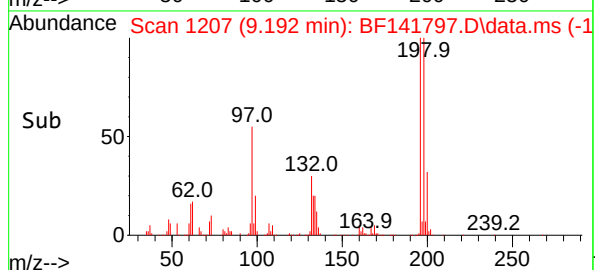
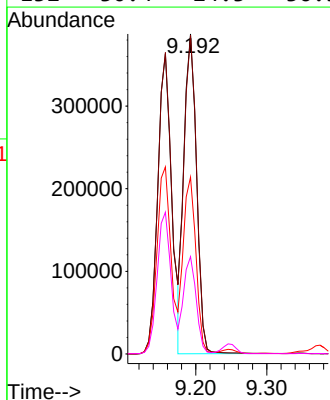
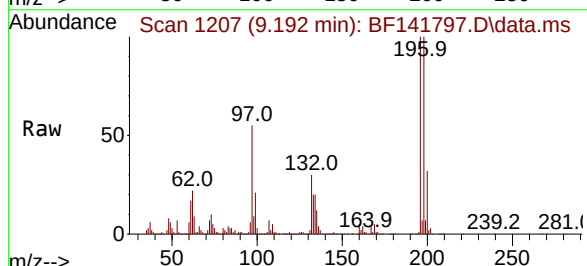
Ion Ratio Lower Upper

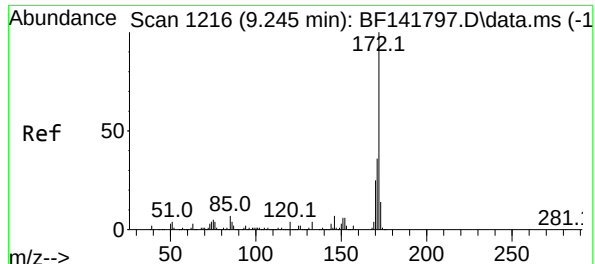
196 100

198 99.6 79.7 119.5

97 55.2 44.2 66.2

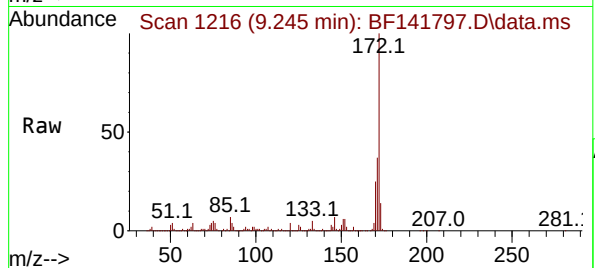
132 30.4 24.3 36.5





#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

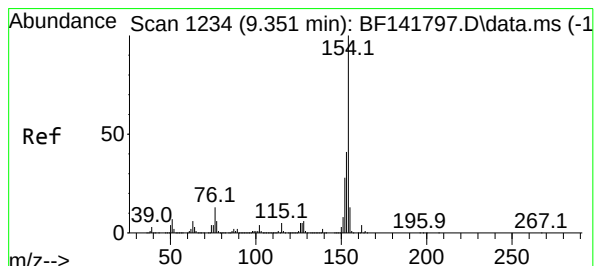
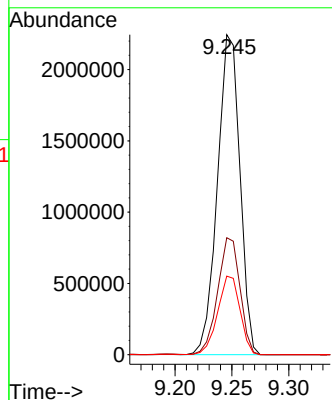
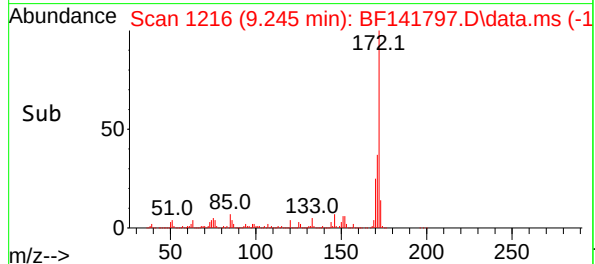
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

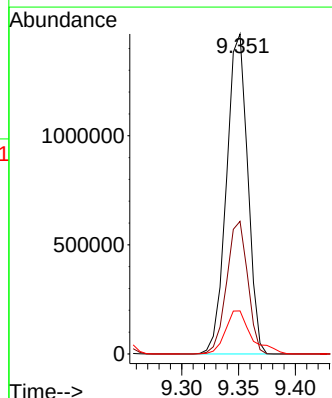
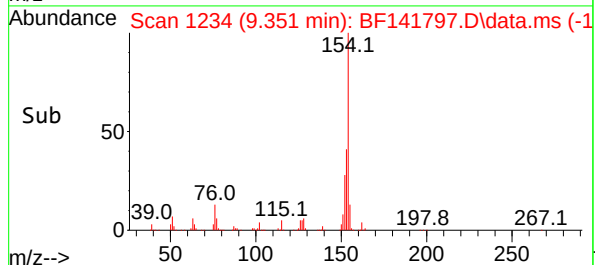
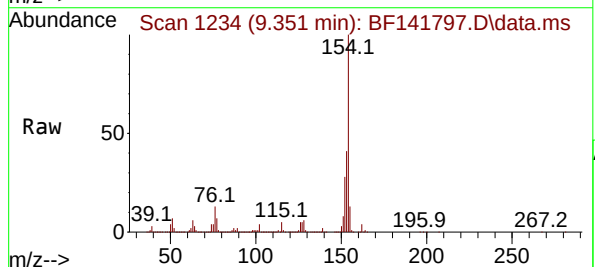
Manual Integrations
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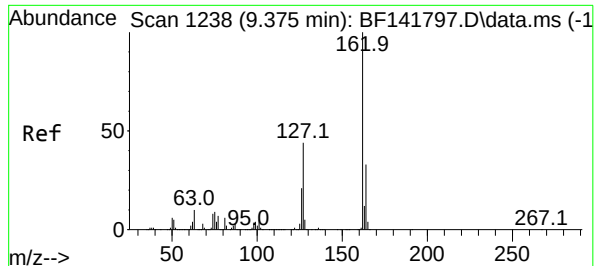
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

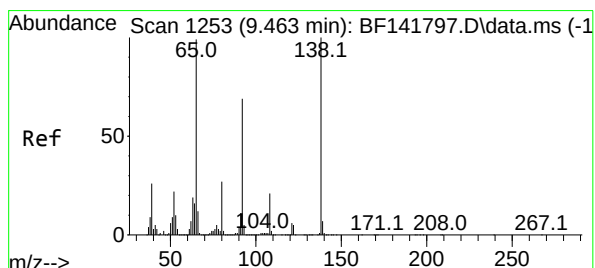
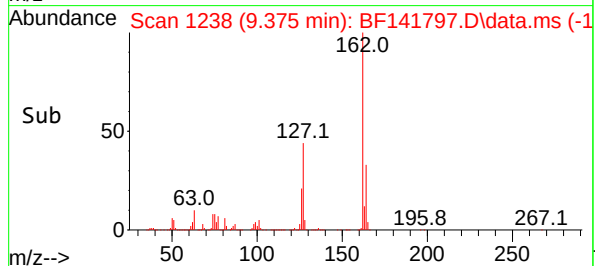
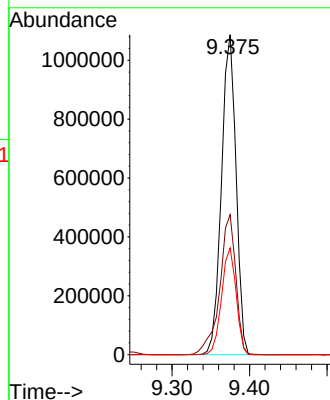
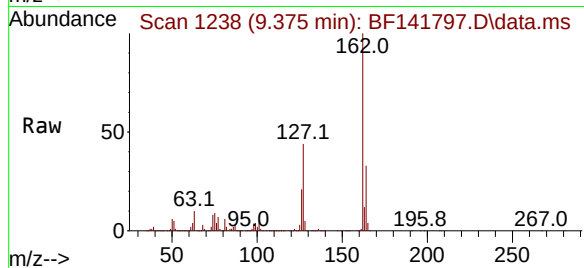
164 33.3 26.6 40.0

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

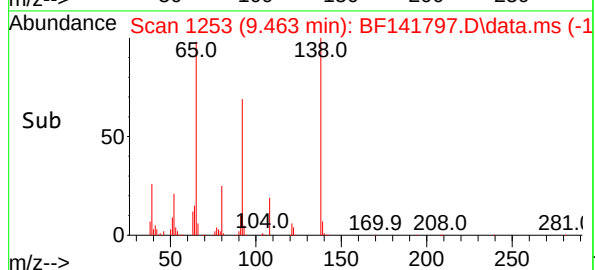
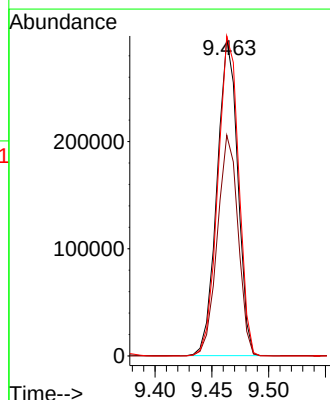
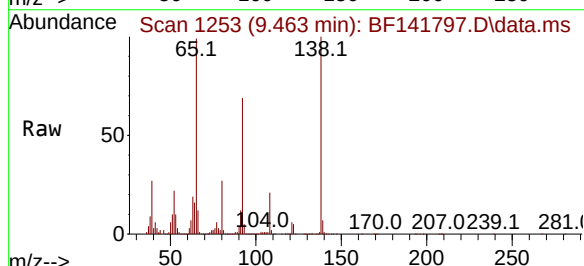
Tgt Ion: 65 Resp: 375120

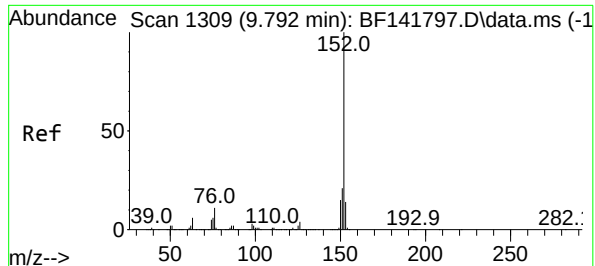
Ion Ratio Lower Upper

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

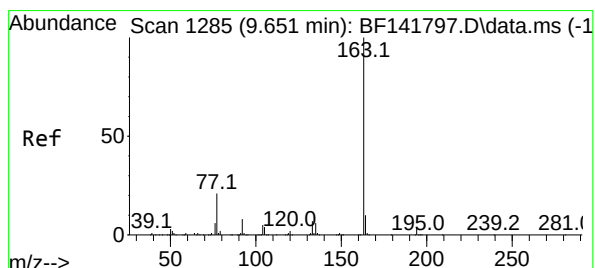
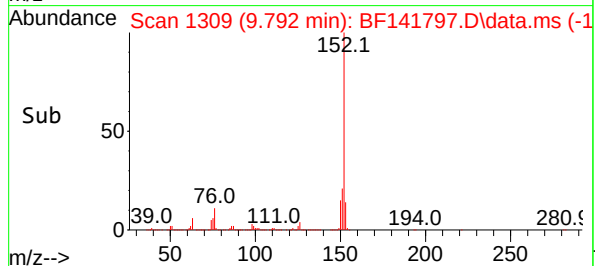
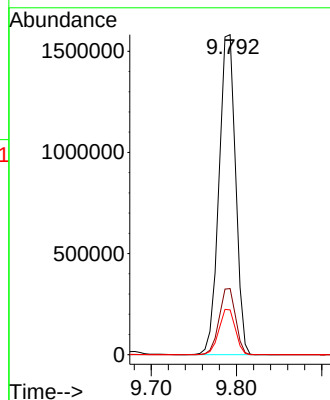
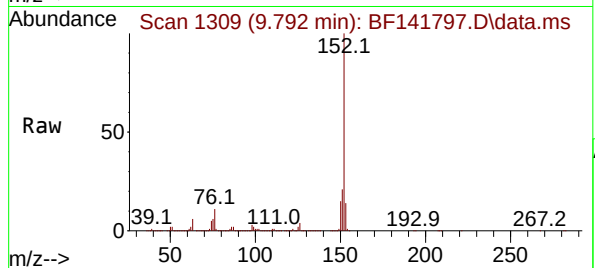
153 14.0 11.2 16.8

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

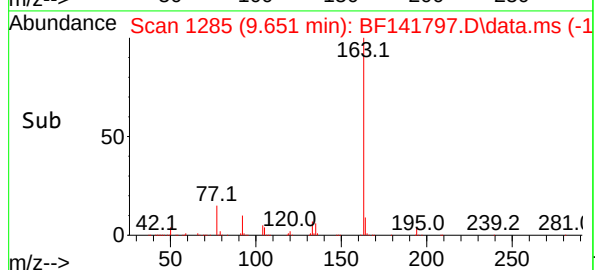
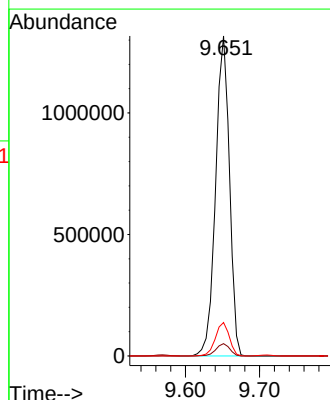
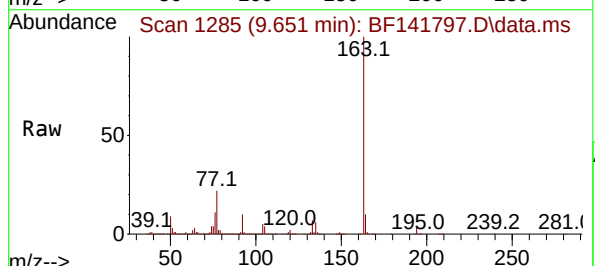
Tgt Ion:163 Resp: 1704601

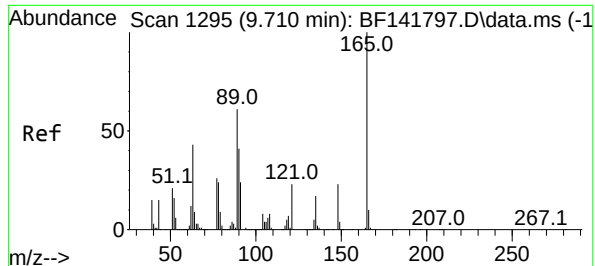
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

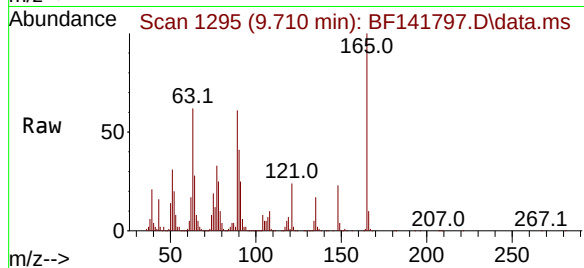
164 10.5 8.4 12.6





#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

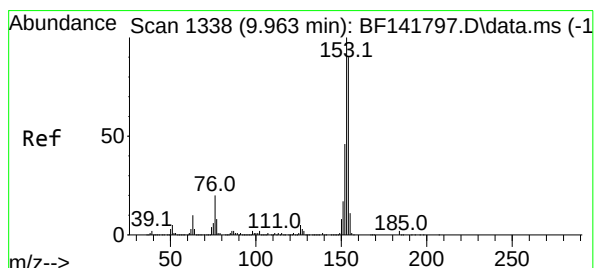
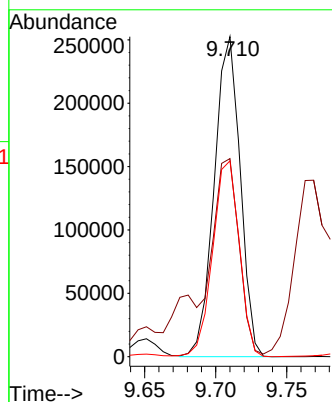
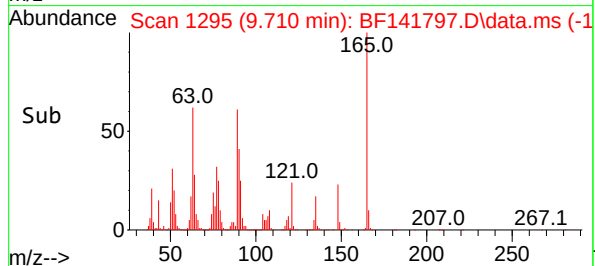
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

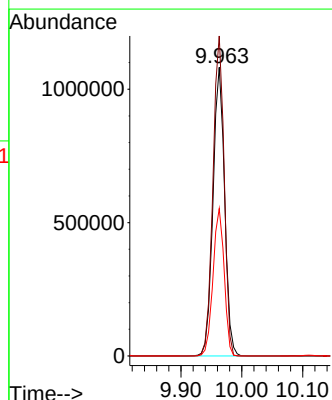
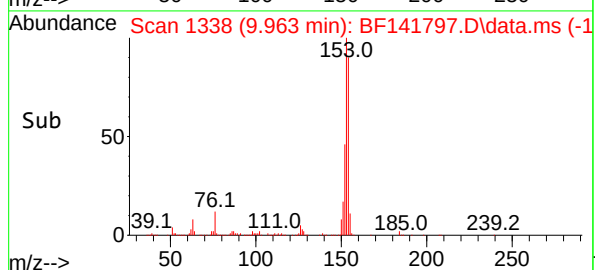
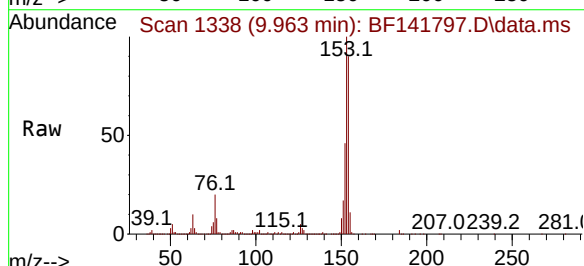
Manual Integrations
APPROVED

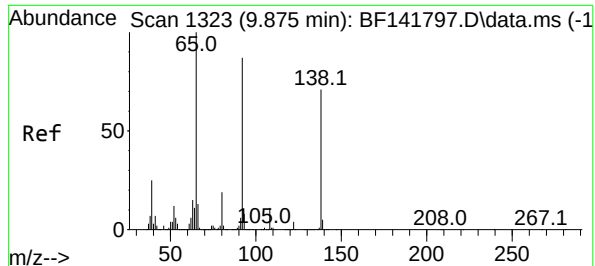
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

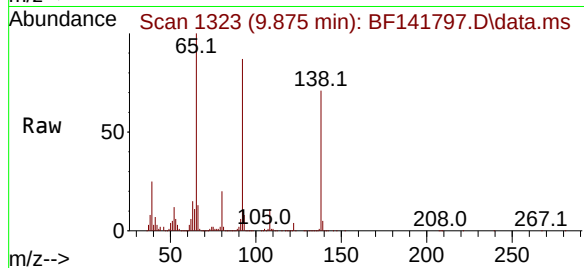
Tgt Ion:154 Resp: 1437821
Ion Ratio Lower Upper
154 100
153 110.9 88.7 133.1
152 51.1 40.9 61.3





#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

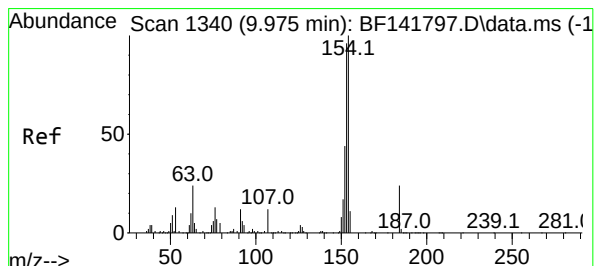
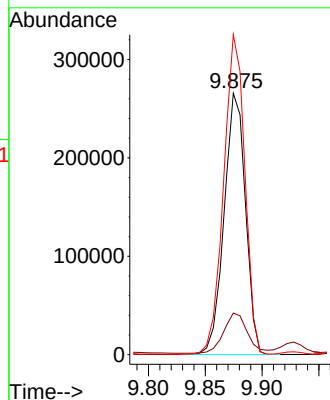
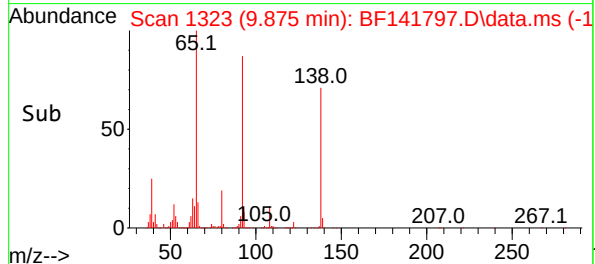
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



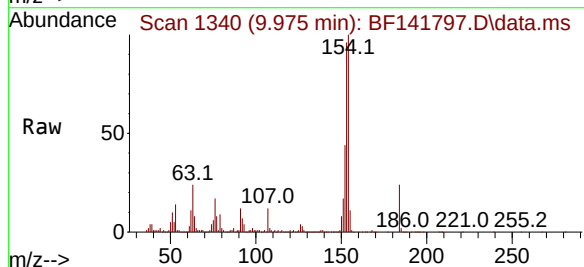
Tgt Ion:138 Resp: 346294
Ion Ratio Lower Upper
138 100
108 15.9 12.7 19.1
92 122.4 97.9 146.9

Manual Integrations
APPROVED

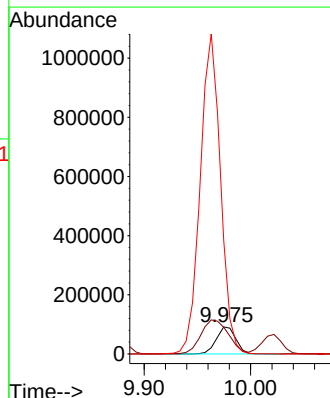
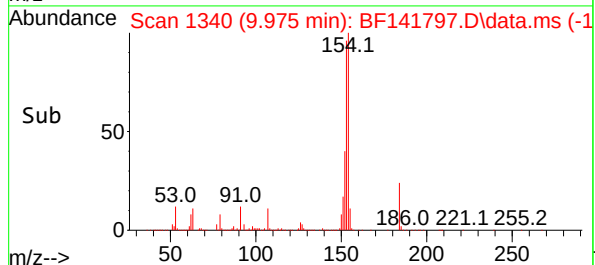
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

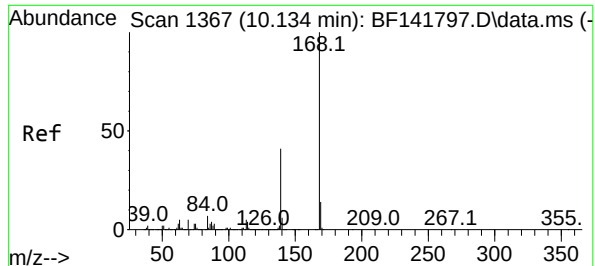


#54
2,4-Dinitrophenol
Concen: 39.874 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16



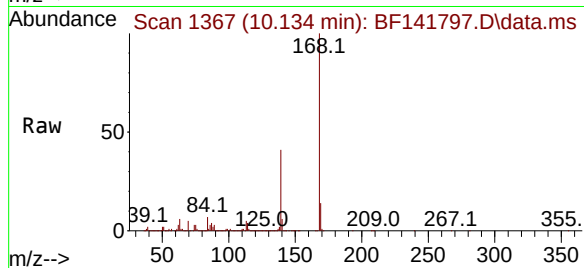
Tgt Ion:184 Resp: 115933
Ion Ratio Lower Upper
184 100
63 98.8 79.0 118.6
154 419.8 335.8 503.8





#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

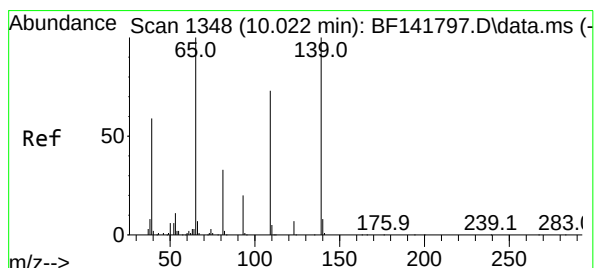
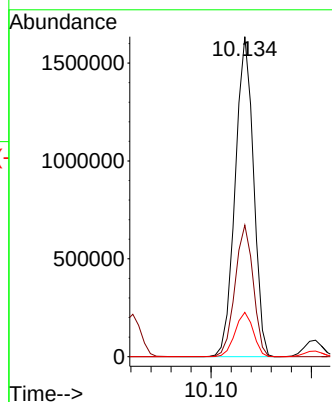
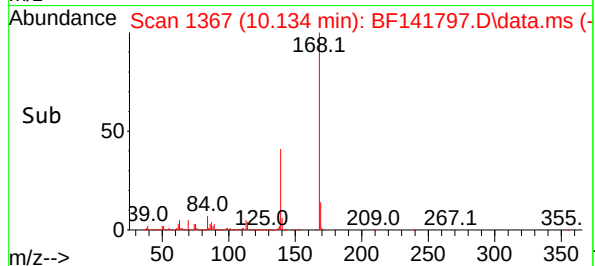
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

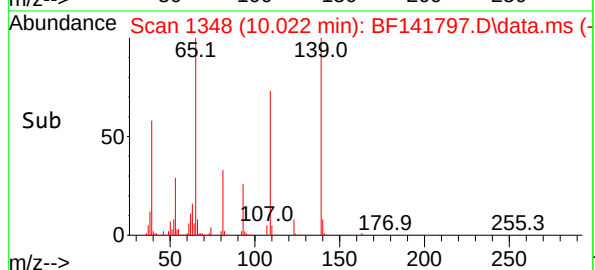
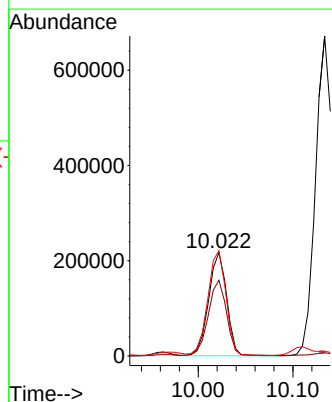
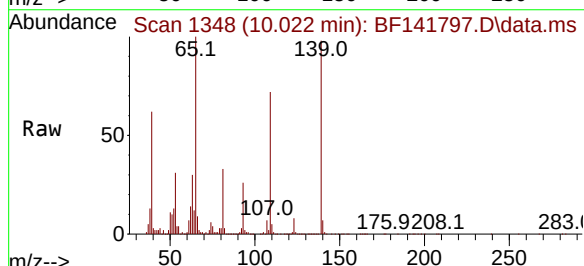
Manual Integrations
APPROVED

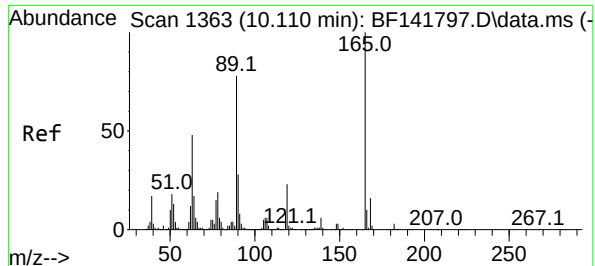
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

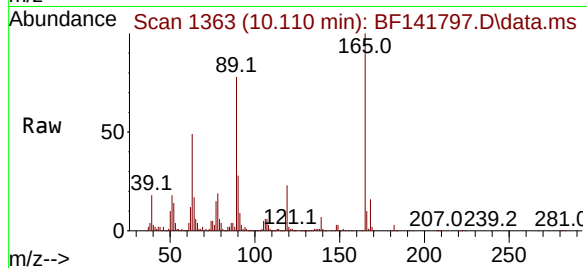
Tgt Ion:139 Resp: 285537
Ion Ratio Lower Upper
139 100
109 73.4 53.4 93.4
65 102.1 82.1 122.1





#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

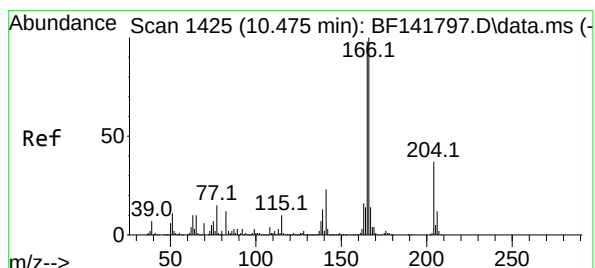
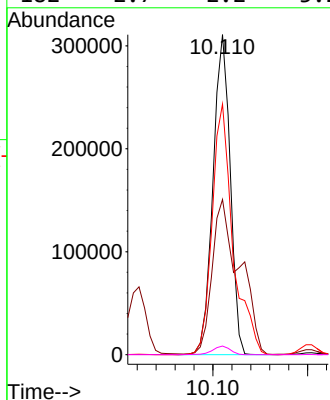
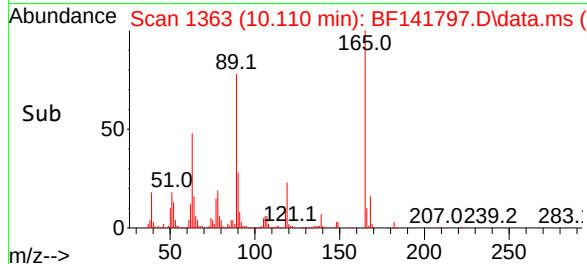
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

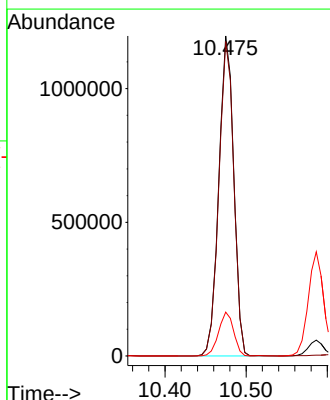
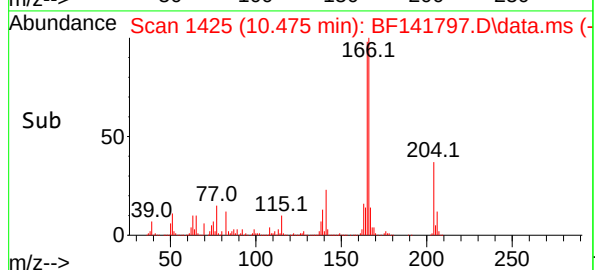
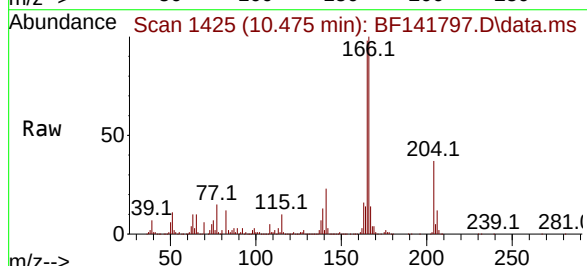
Manual Integrations
APPROVED

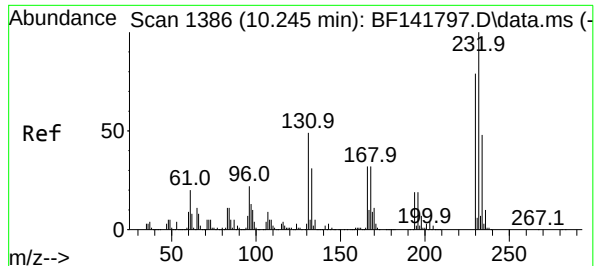
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

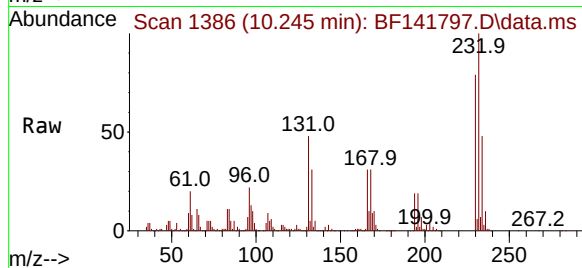
Tgt Ion:166 Resp: 1536139
Ion Ratio Lower Upper
166 100
165 98.2 78.6 117.8
167 13.7 11.0 16.4





#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

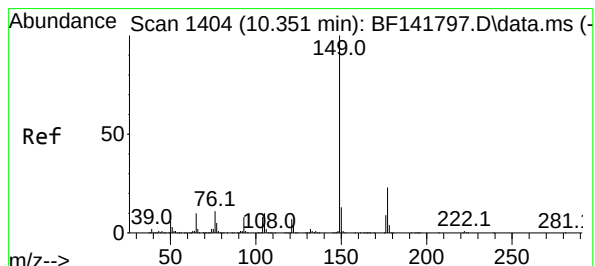
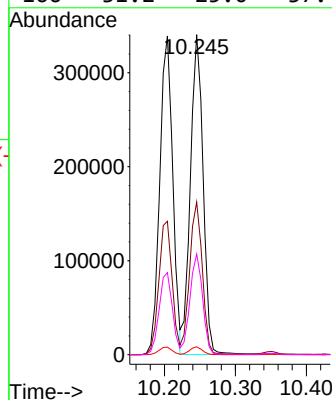
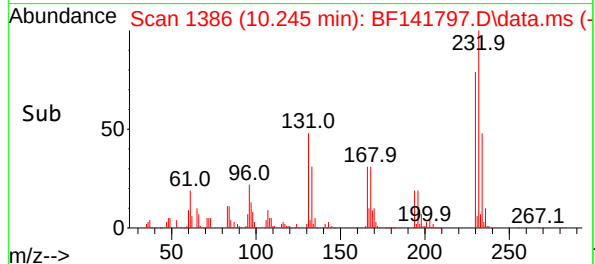
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

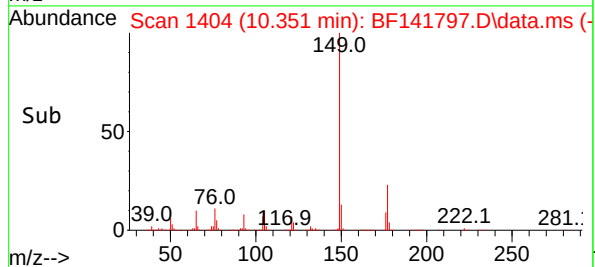
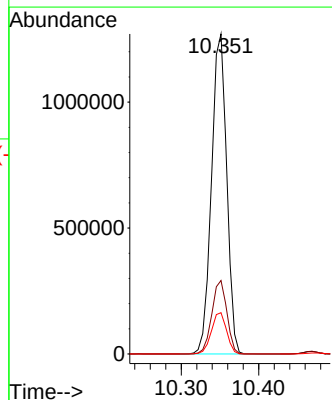
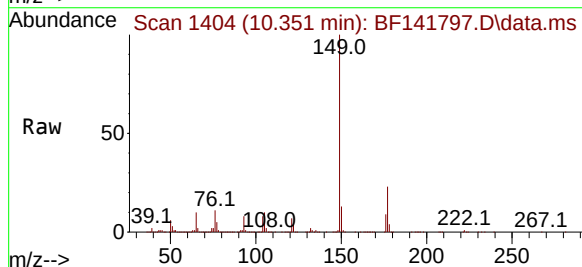
Manual Integrations
APPROVED

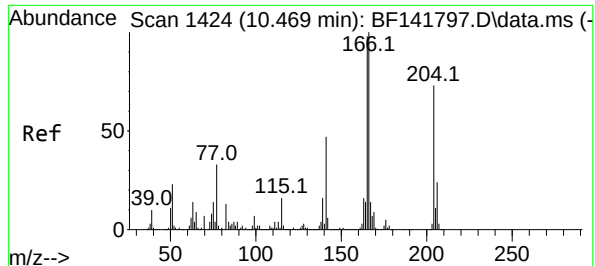
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

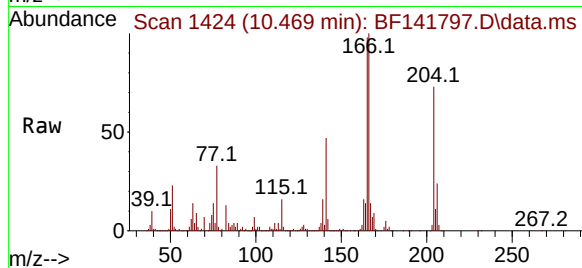
Tgt Ion:149 Resp: 1729522
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.9 10.3 15.5





#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

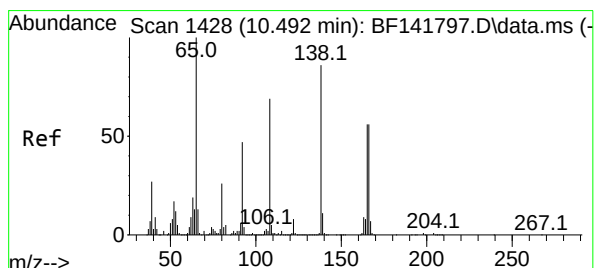
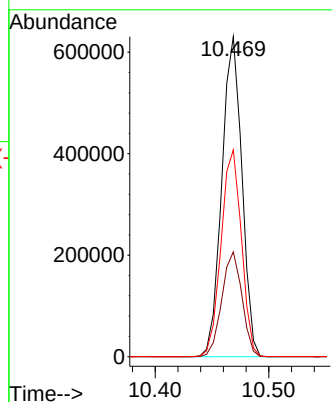
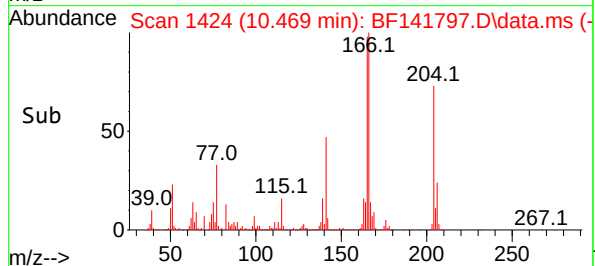
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

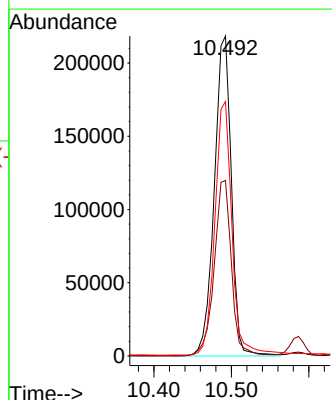
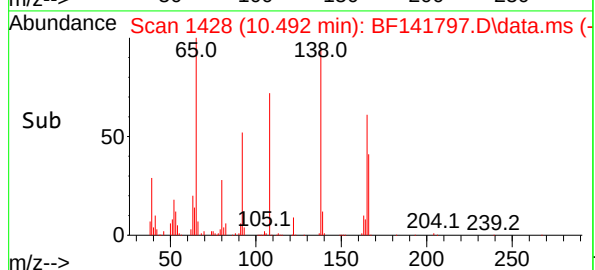
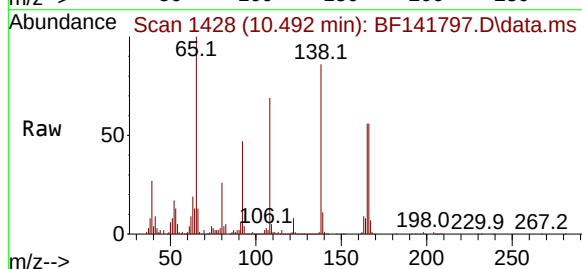
Manual Integrations
APPROVED

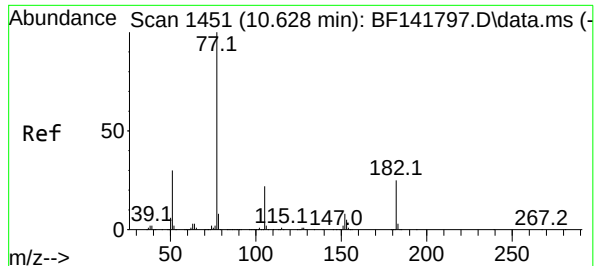
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

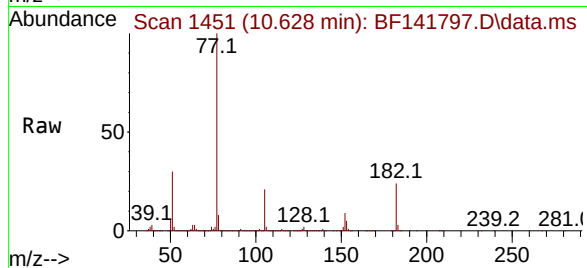
Tgt Ion:138 Resp: 333830
Ion Ratio Lower Upper
138 100
92 54.9 34.9 74.9
108 79.6 59.6 99.6





#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

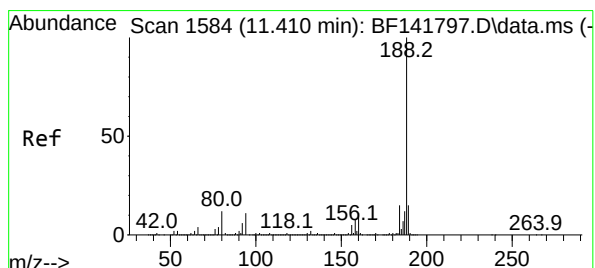
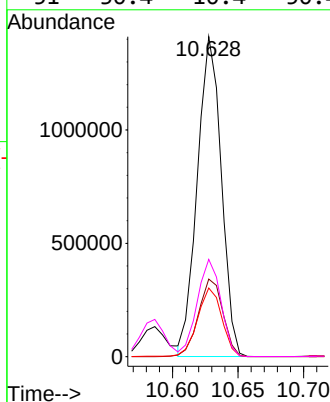
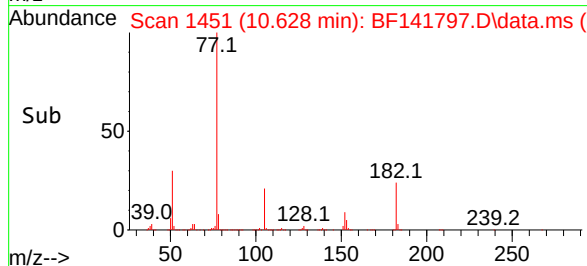
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

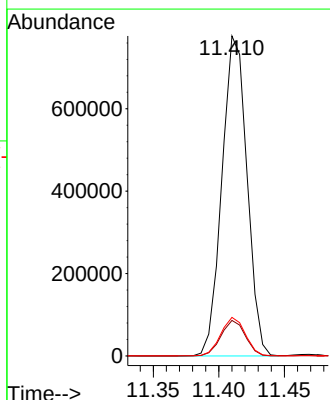
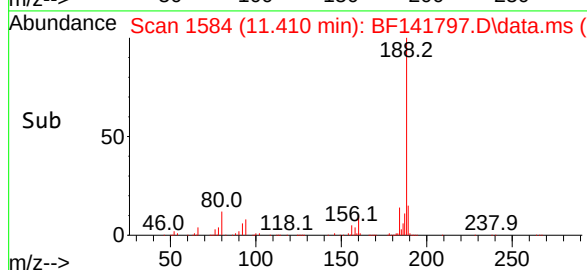
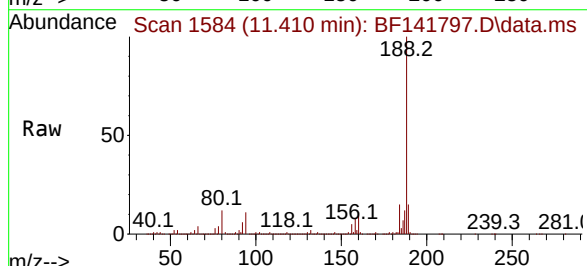
Manual Integrations
APPROVED

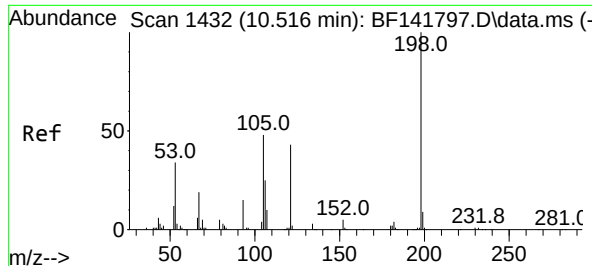
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

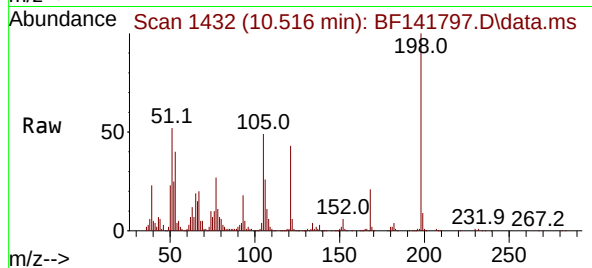
Tgt Ion:188 Resp: 1031875
Ion Ratio Lower Upper
188 100
94 11.1 8.9 13.3
80 12.1 9.7 14.5





#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

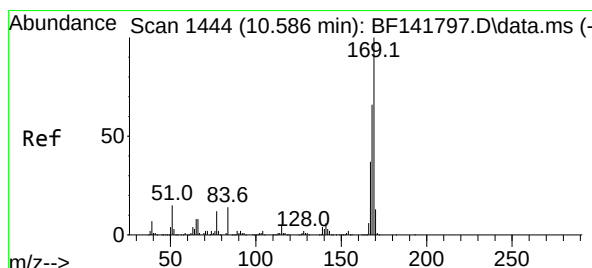
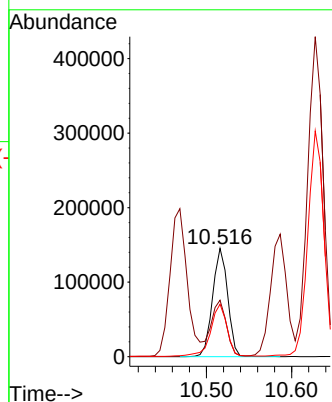
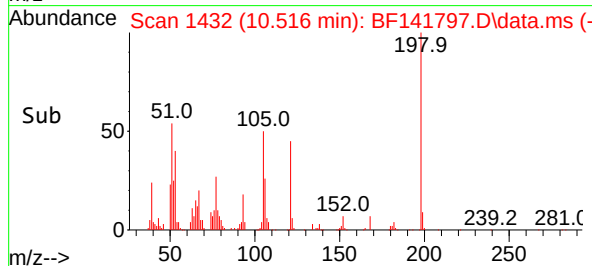
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

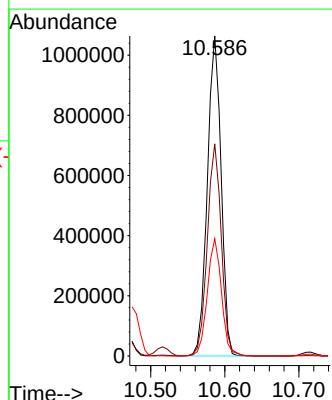
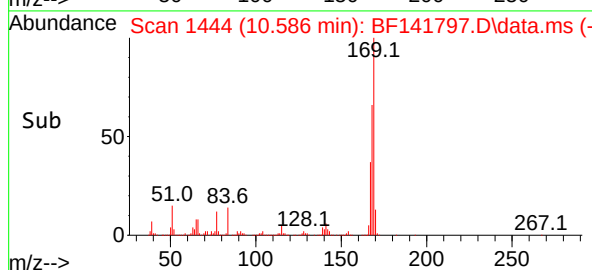
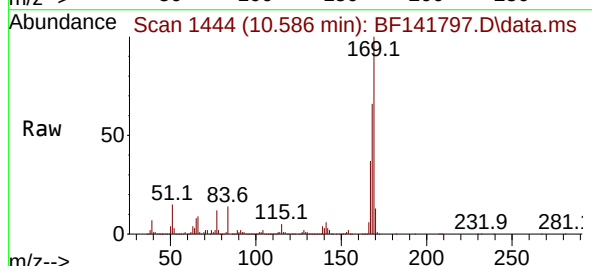
Manual Integrations
APPROVED

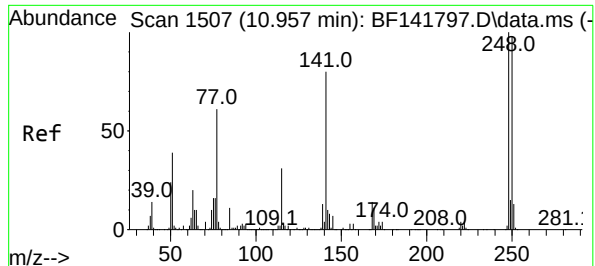
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

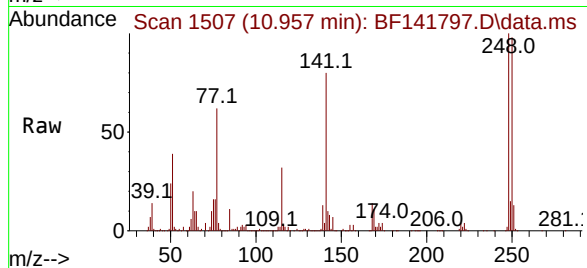
Tgt Ion:169 Resp: 1371761
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 36.6 29.3 43.9





#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

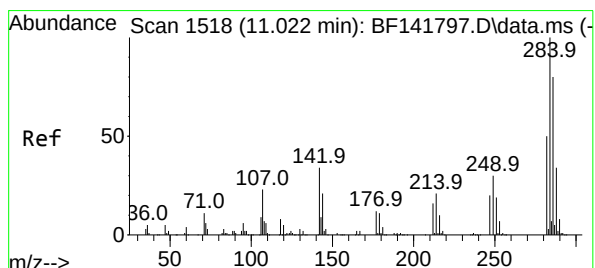
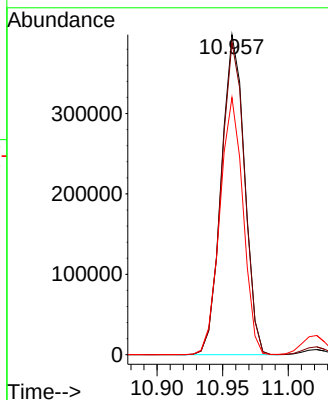
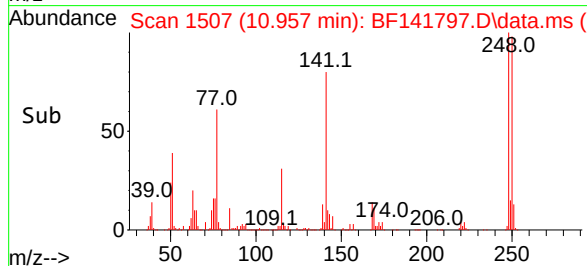
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

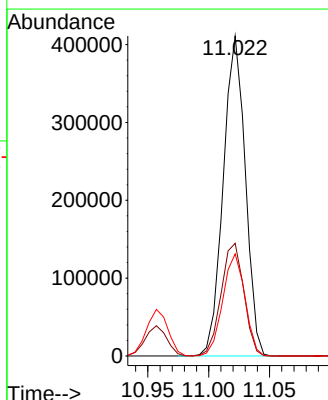
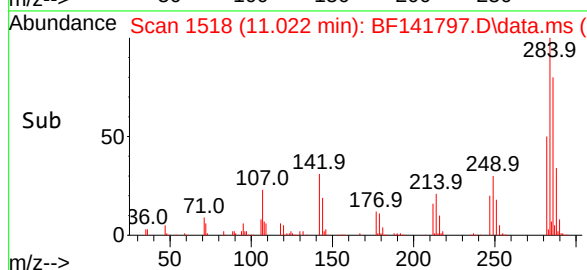
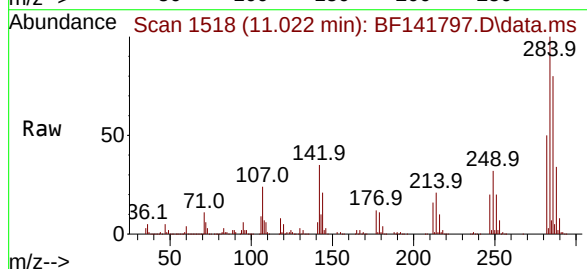
Manual Integrations
APPROVED

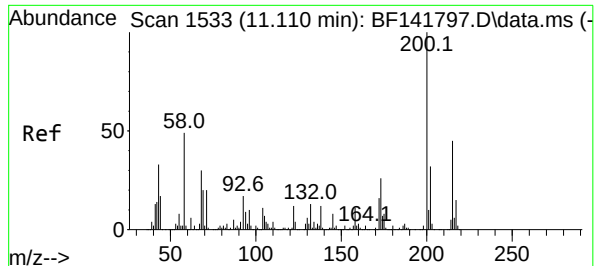
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

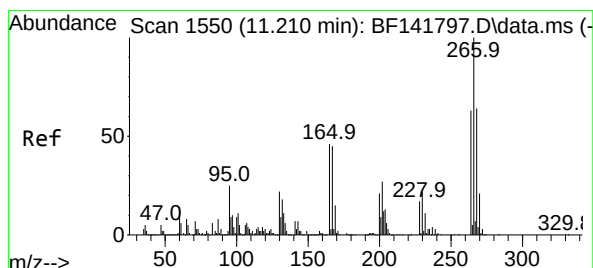
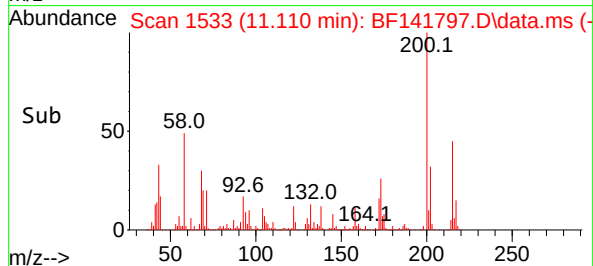
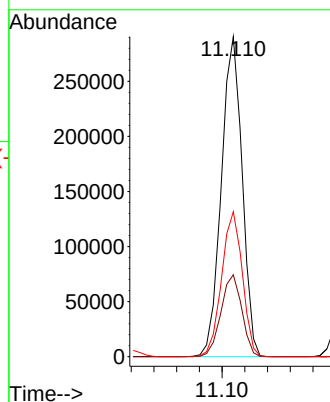
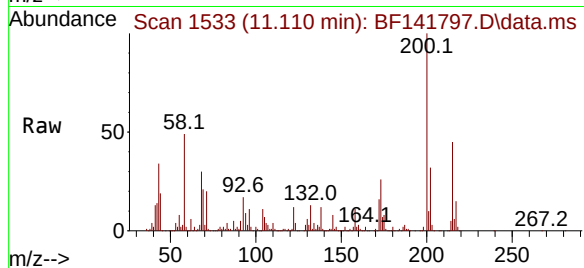
215 45.3 25.3 65.3

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

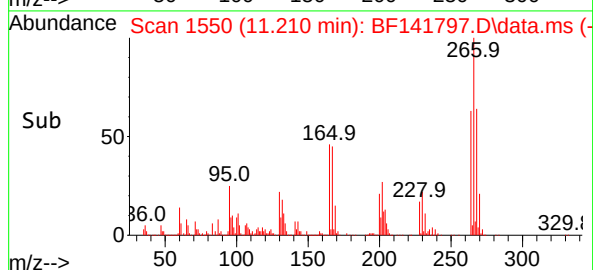
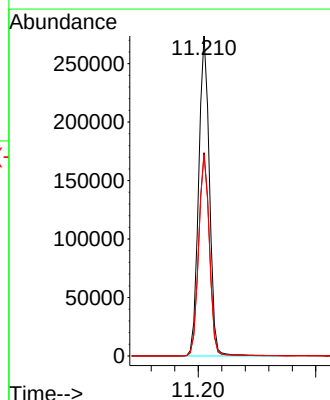
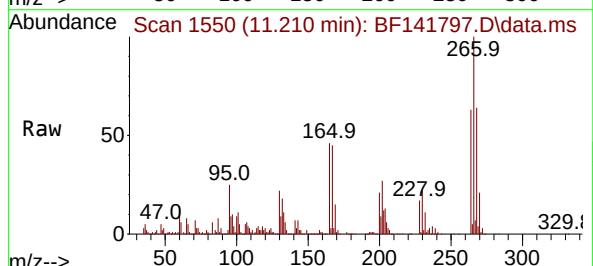
Tgt Ion:266 Resp: 347791

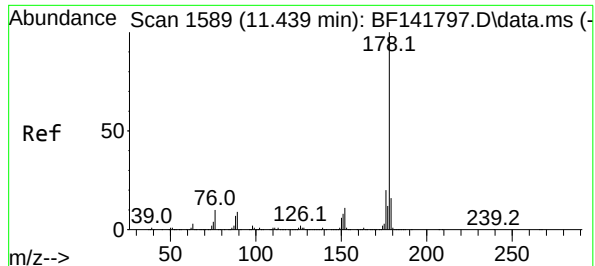
Ion Ratio Lower Upper

266 100

268 63.6 50.9 76.3

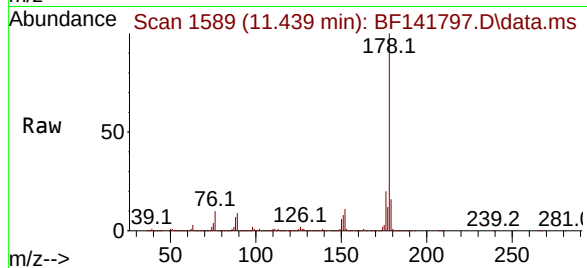
264 62.8 50.2 75.4





#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

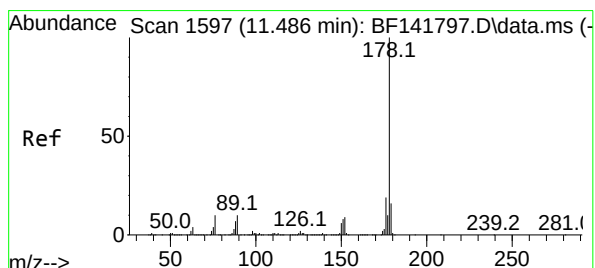
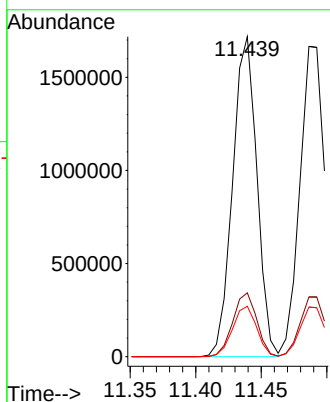
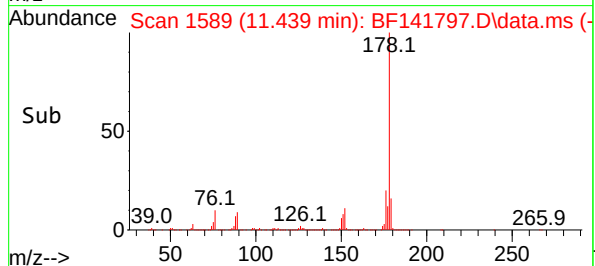
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

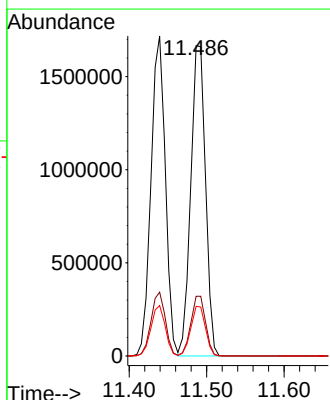
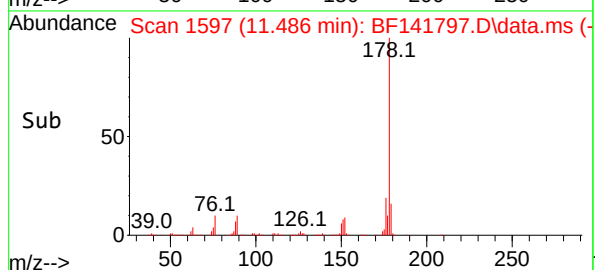
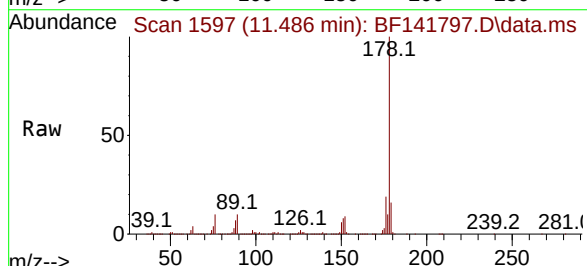
Manual Integrations
APPROVED

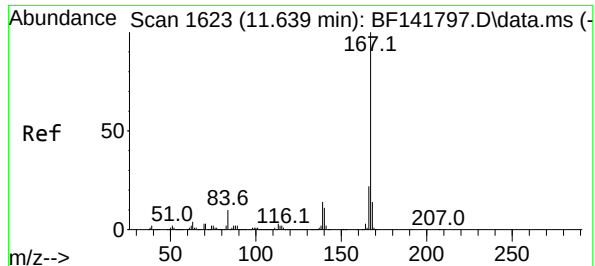
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

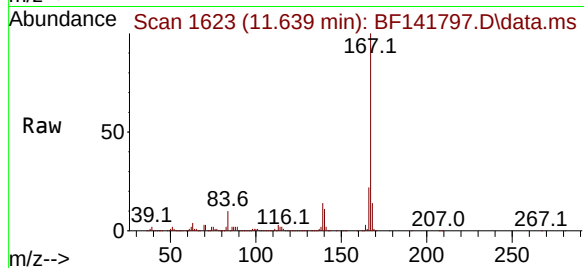
Tgt Ion:178 Resp: 2204147
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.0 12.8 19.2





#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

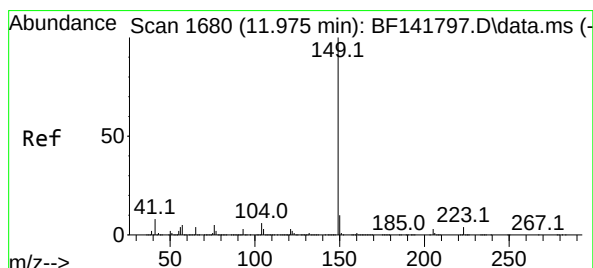
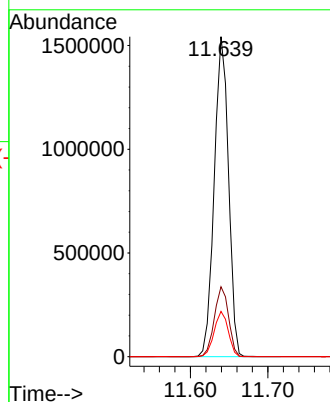
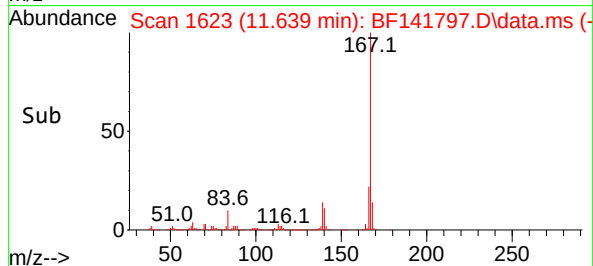
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

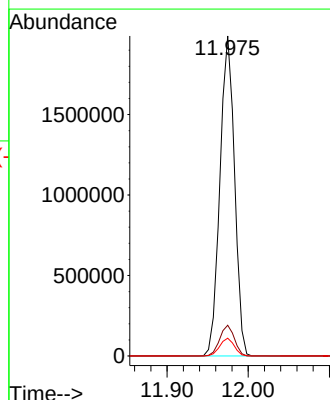
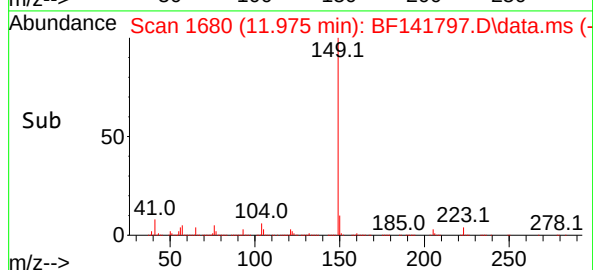
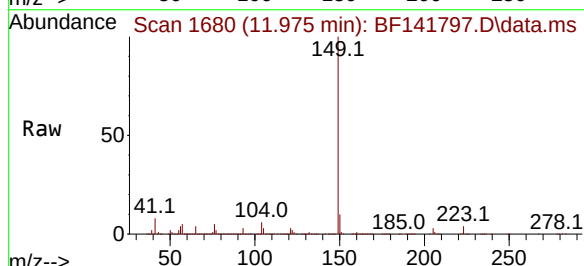
Manual Integrations
APPROVED

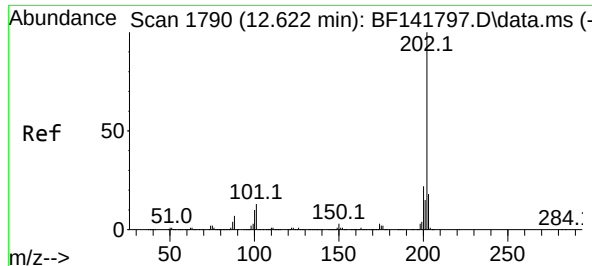
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

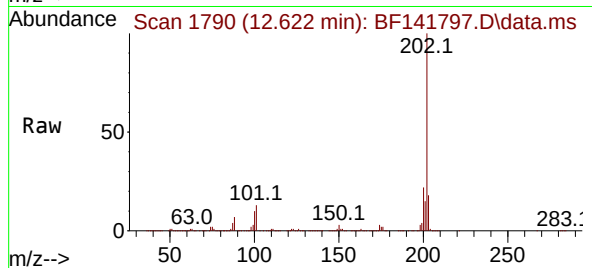
Tgt Ion:149 Resp: 2493783
Ion Ratio Lower Upper
149 100
150 9.6 7.7 11.5
104 5.5 4.4 6.6





#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

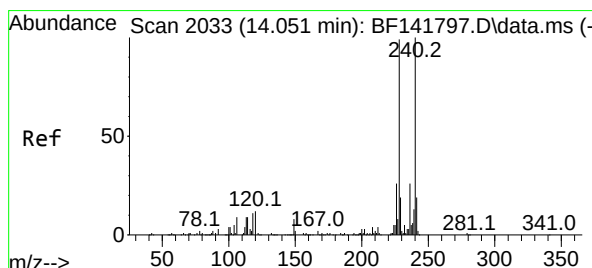
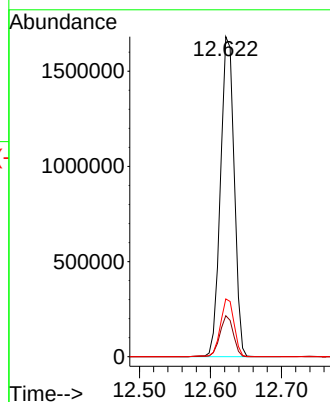
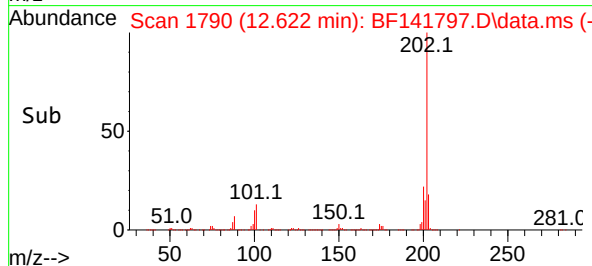
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

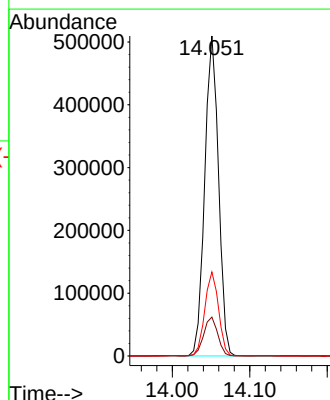
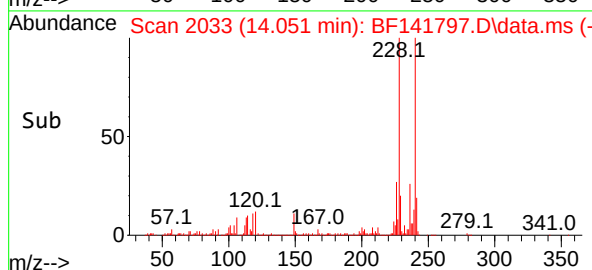
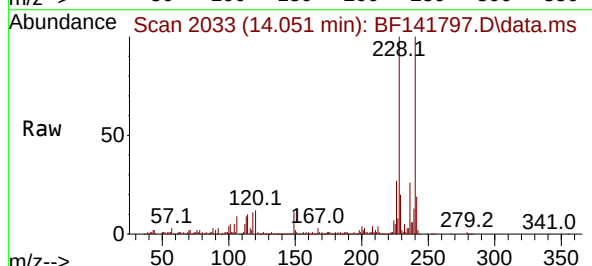
Manual Integrations
APPROVED

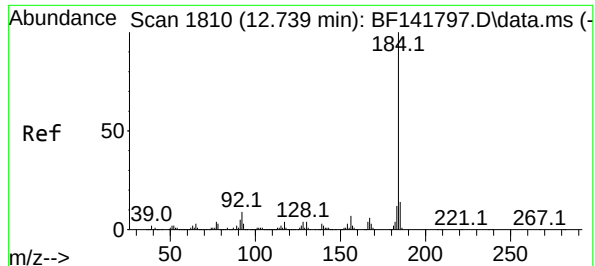
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

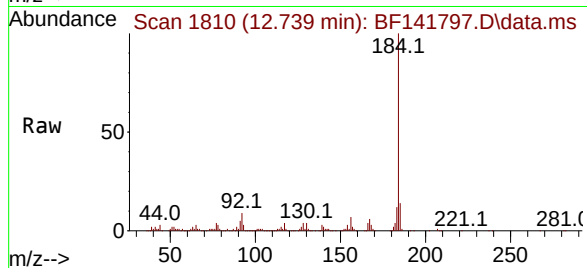
Tgt Ion:240 Resp: 629307
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 26.2 21.0 31.4





#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

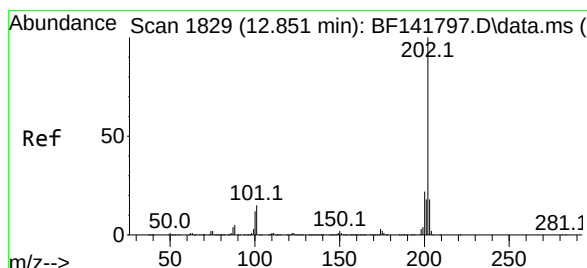
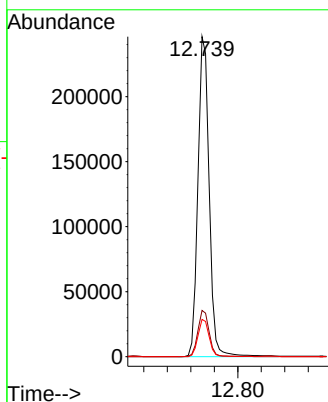
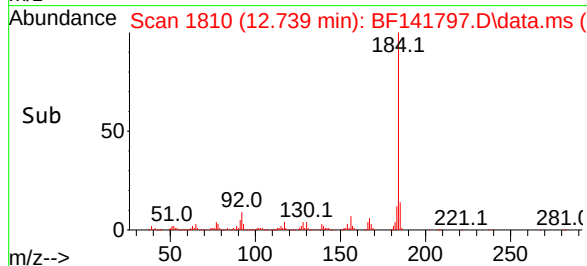
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

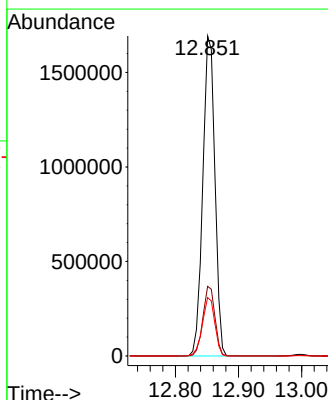
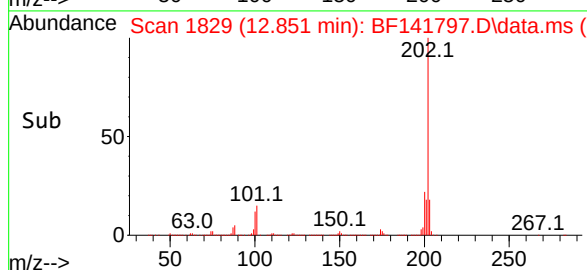
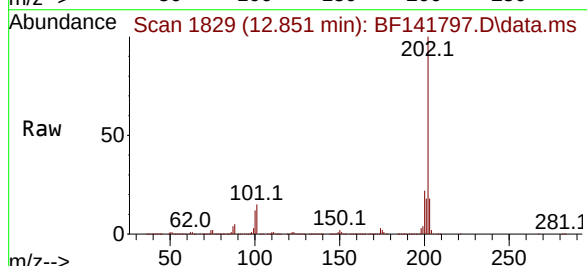
Manual Integrations
APPROVED

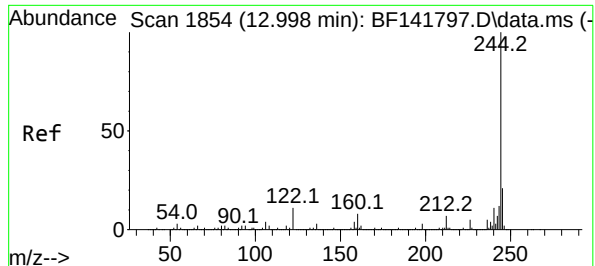
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

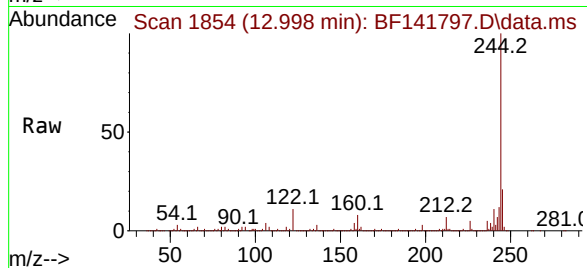
Tgt Ion:202 Resp: 2259888
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.0
203 18.3 14.6 22.0





#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

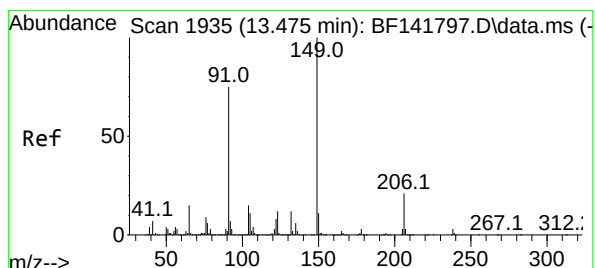
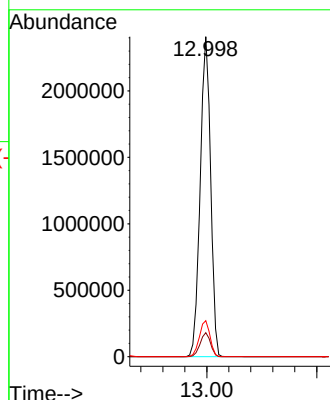
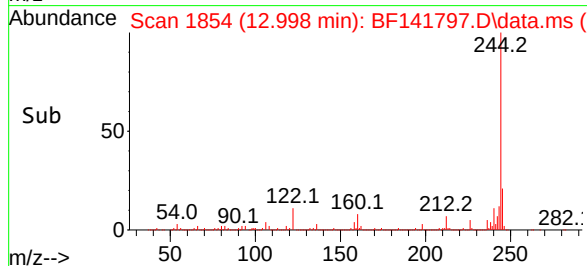
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

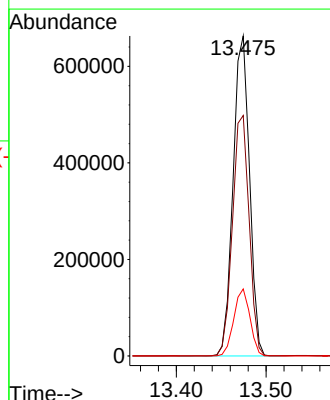
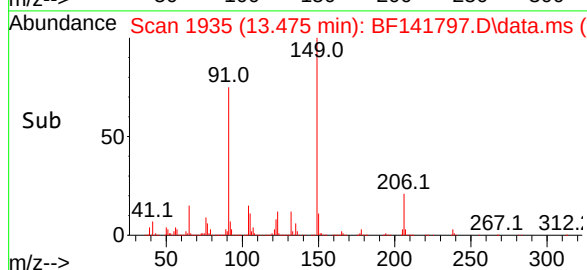
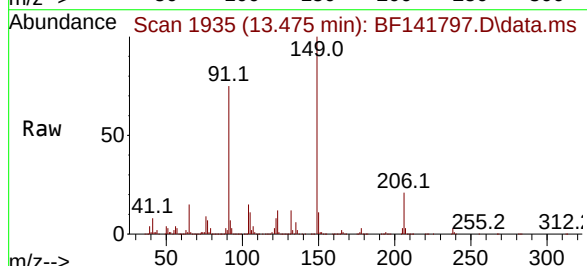
Manual Integrations
APPROVED

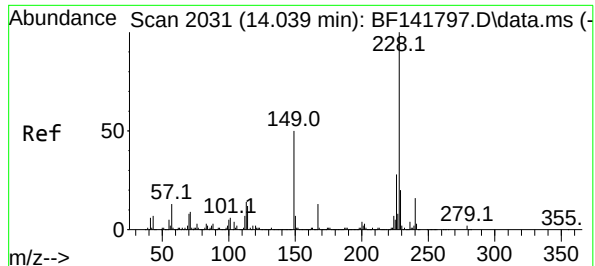
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

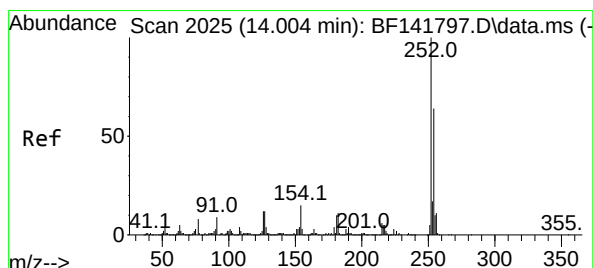
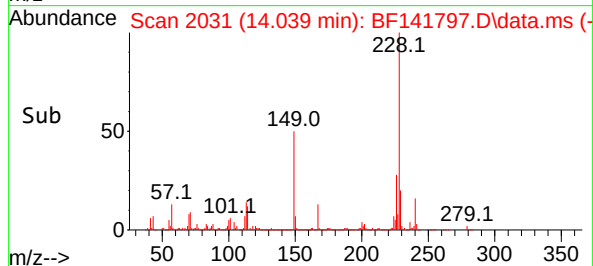
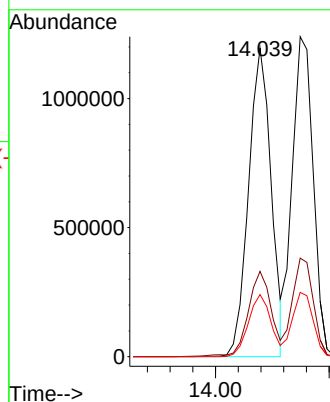
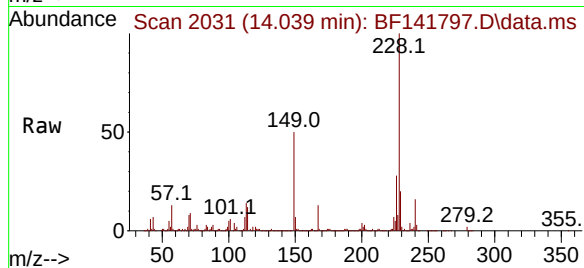
229 20.1 16.1 24.1

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

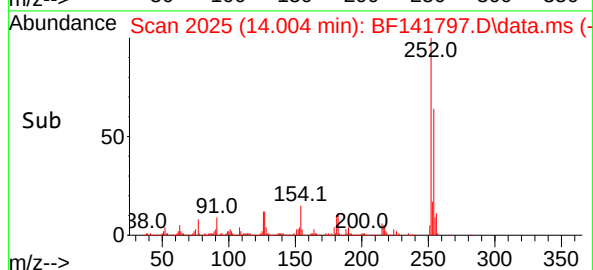
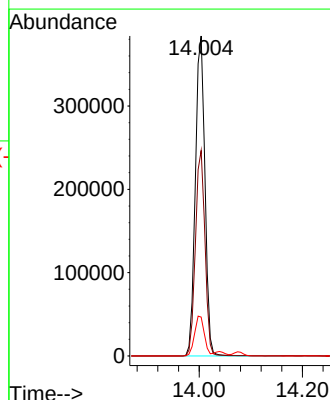
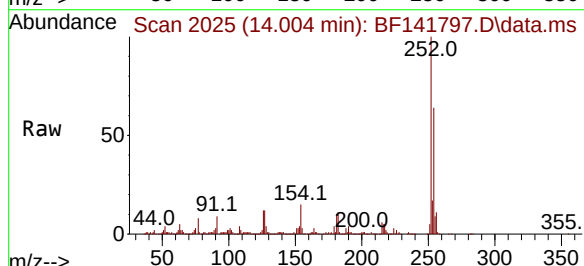
Tgt Ion:252 Resp: 494528

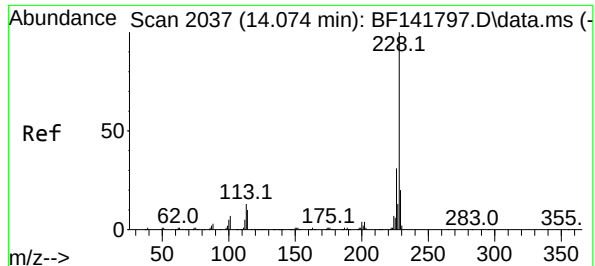
Ion Ratio Lower Upper

252 100

254 64.2 51.4 77.0

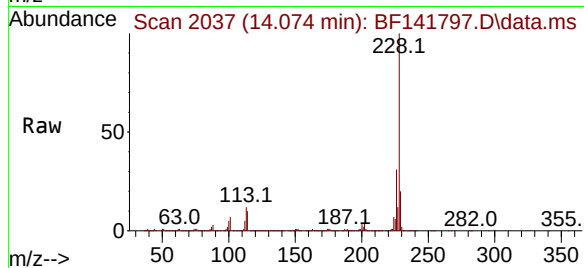
126 12.2 9.8 14.6





#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

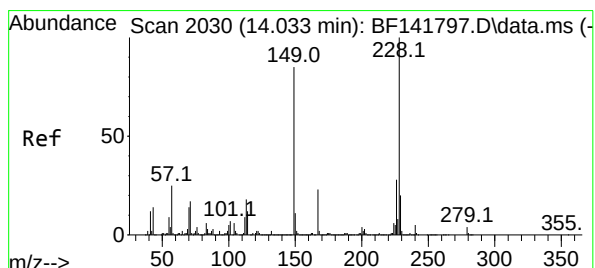
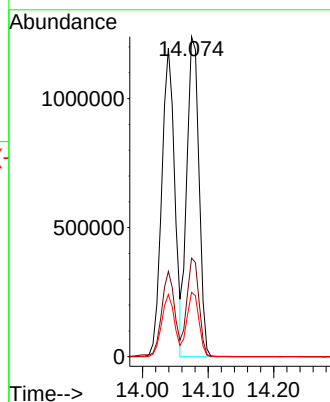
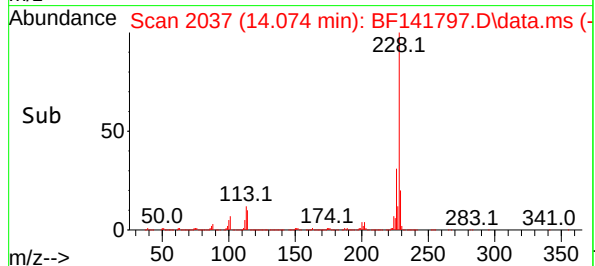
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

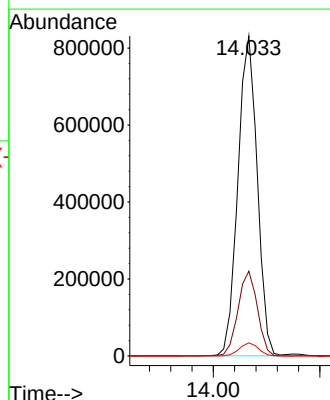
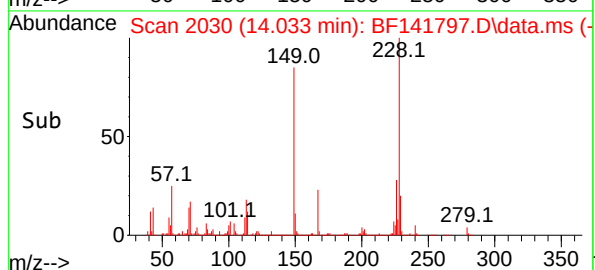
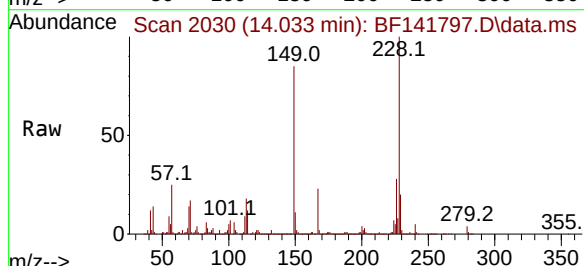
Manual Integrations
APPROVED

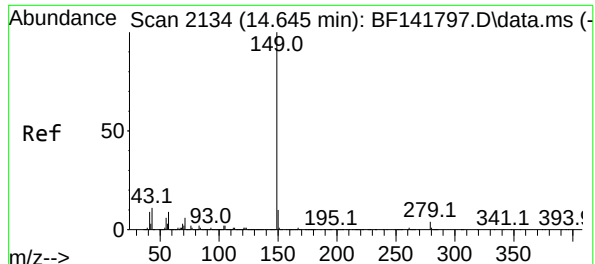
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

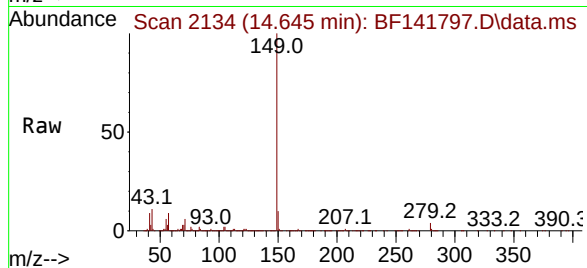
Tgt Ion:149 Resp: 1046693
Ion Ratio Lower Upper
149 100
167 26.5 21.2 31.8
279 4.1 3.3 4.9





#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

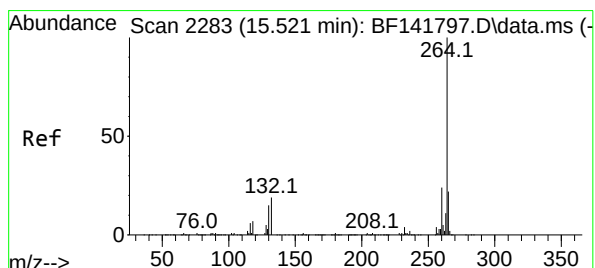
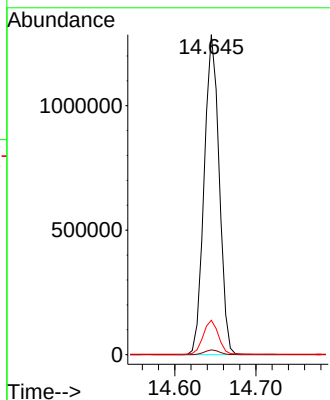
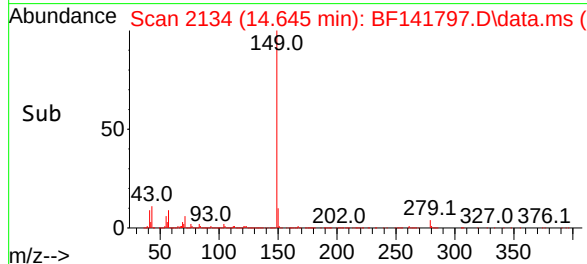
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

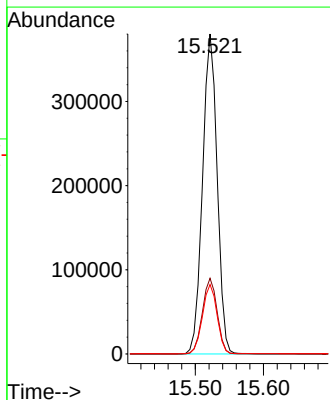
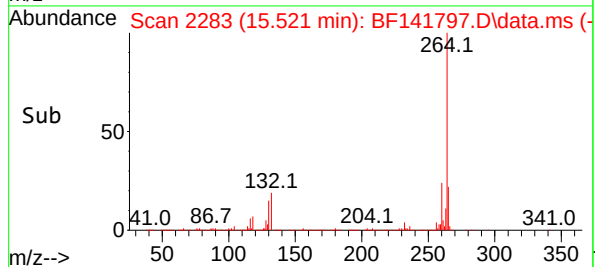
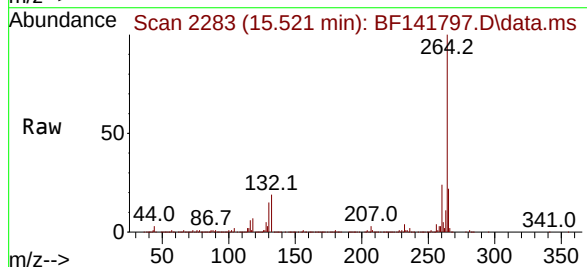
Manual Integrations
APPROVED

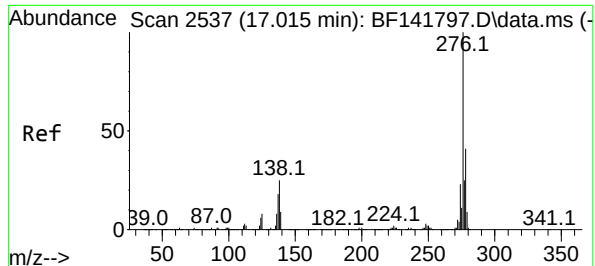
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

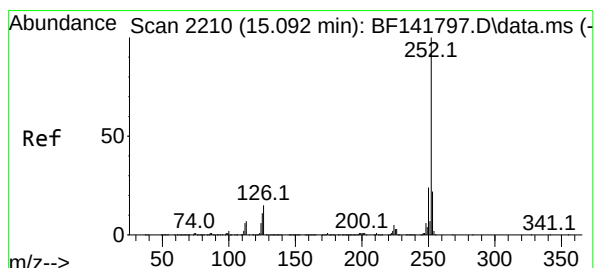
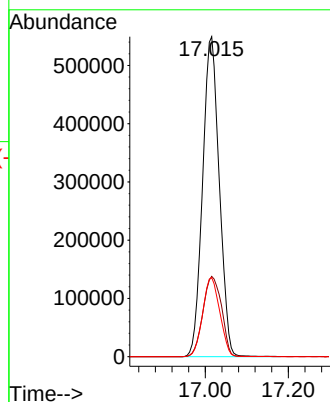
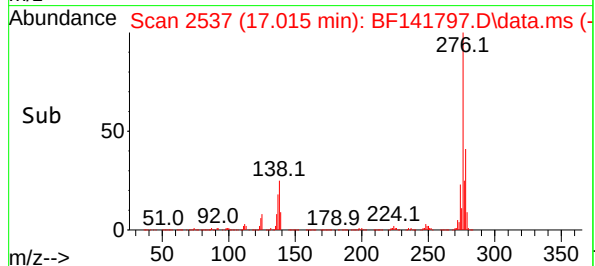
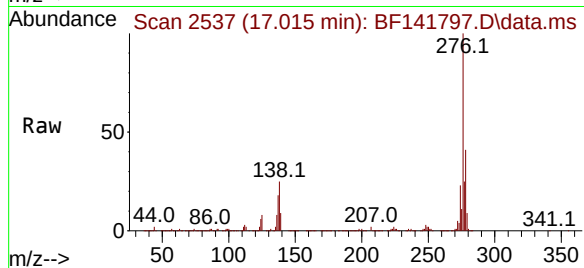
277 25.4 20.3 30.5

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

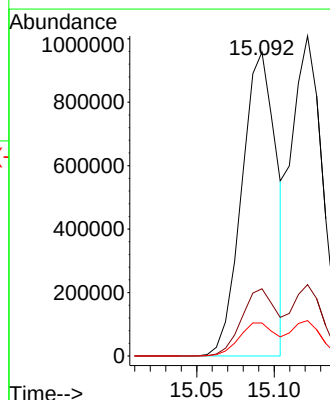
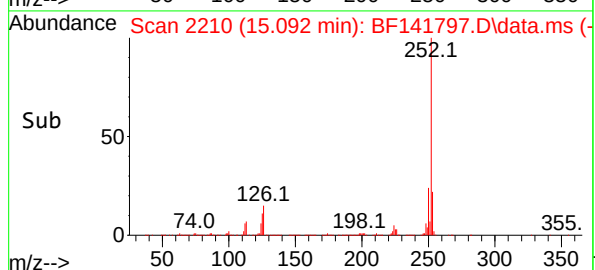
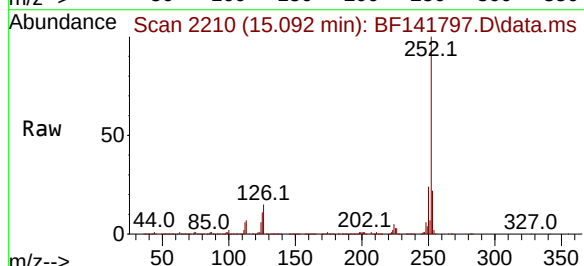
Tgt Ion:252 Resp: 1481931

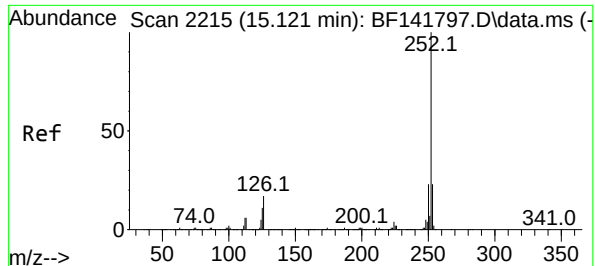
Ion Ratio Lower Upper

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

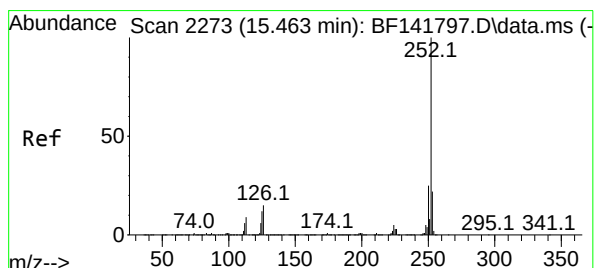
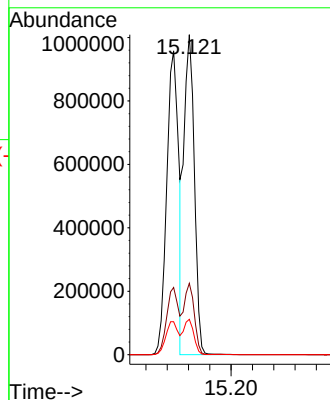
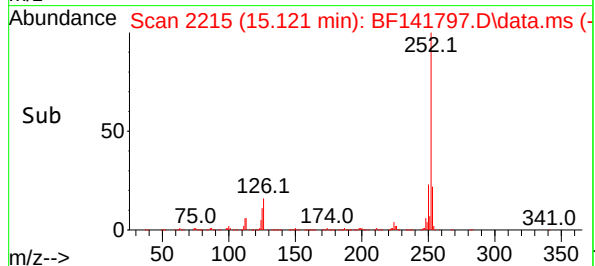
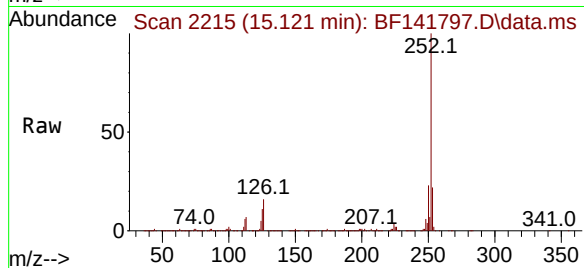
125 11.0 8.8 13.2

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

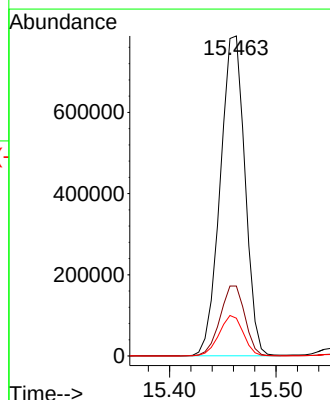
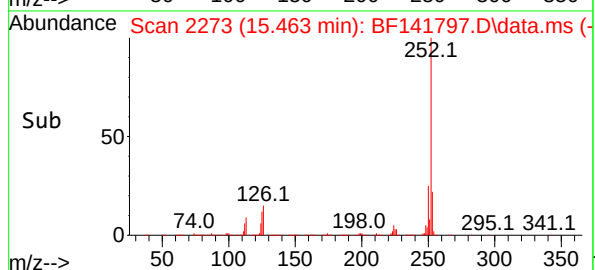
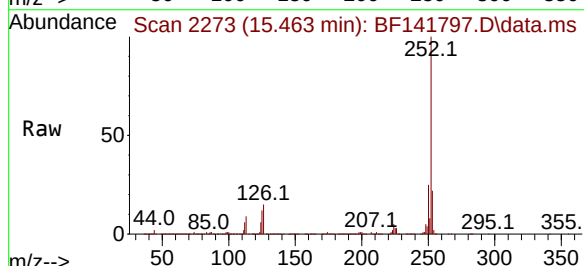
Tgt Ion:252 Resp: 1269914

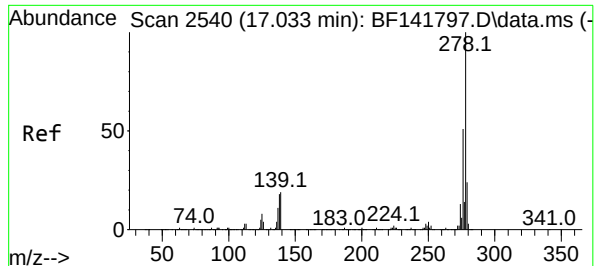
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

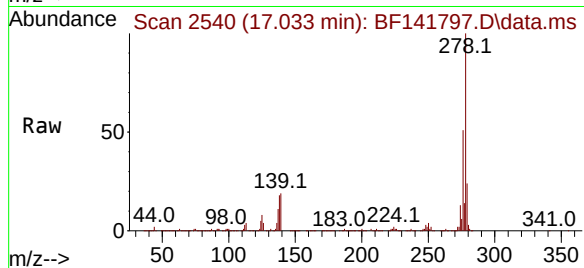
125 11.8 9.4 14.2





#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

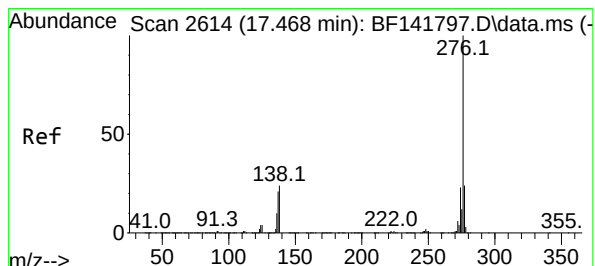
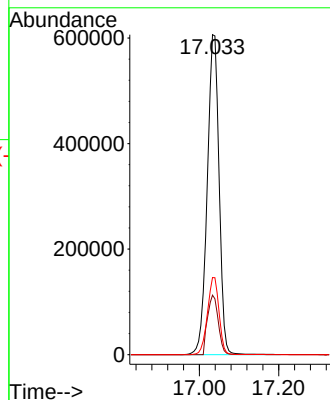
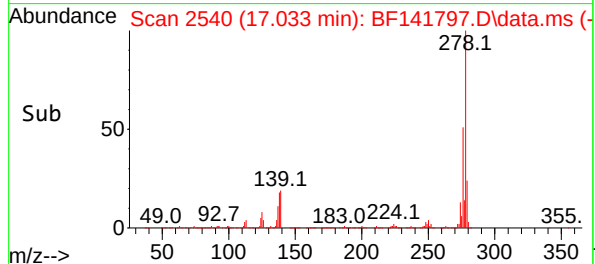
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

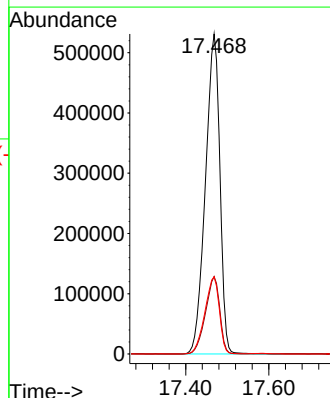
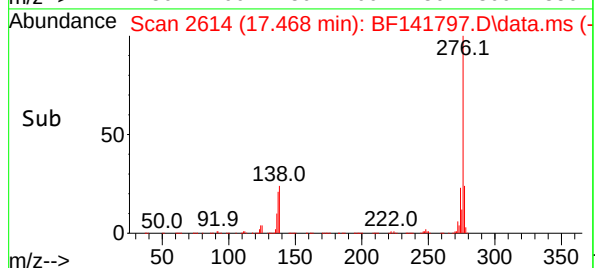
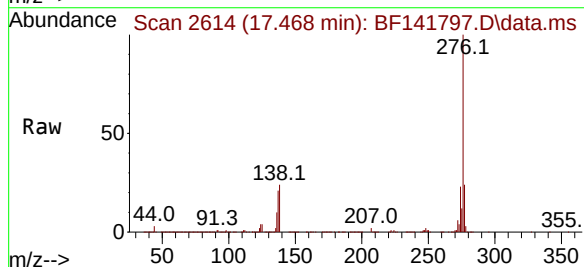
Manual Integrations
APPROVED

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

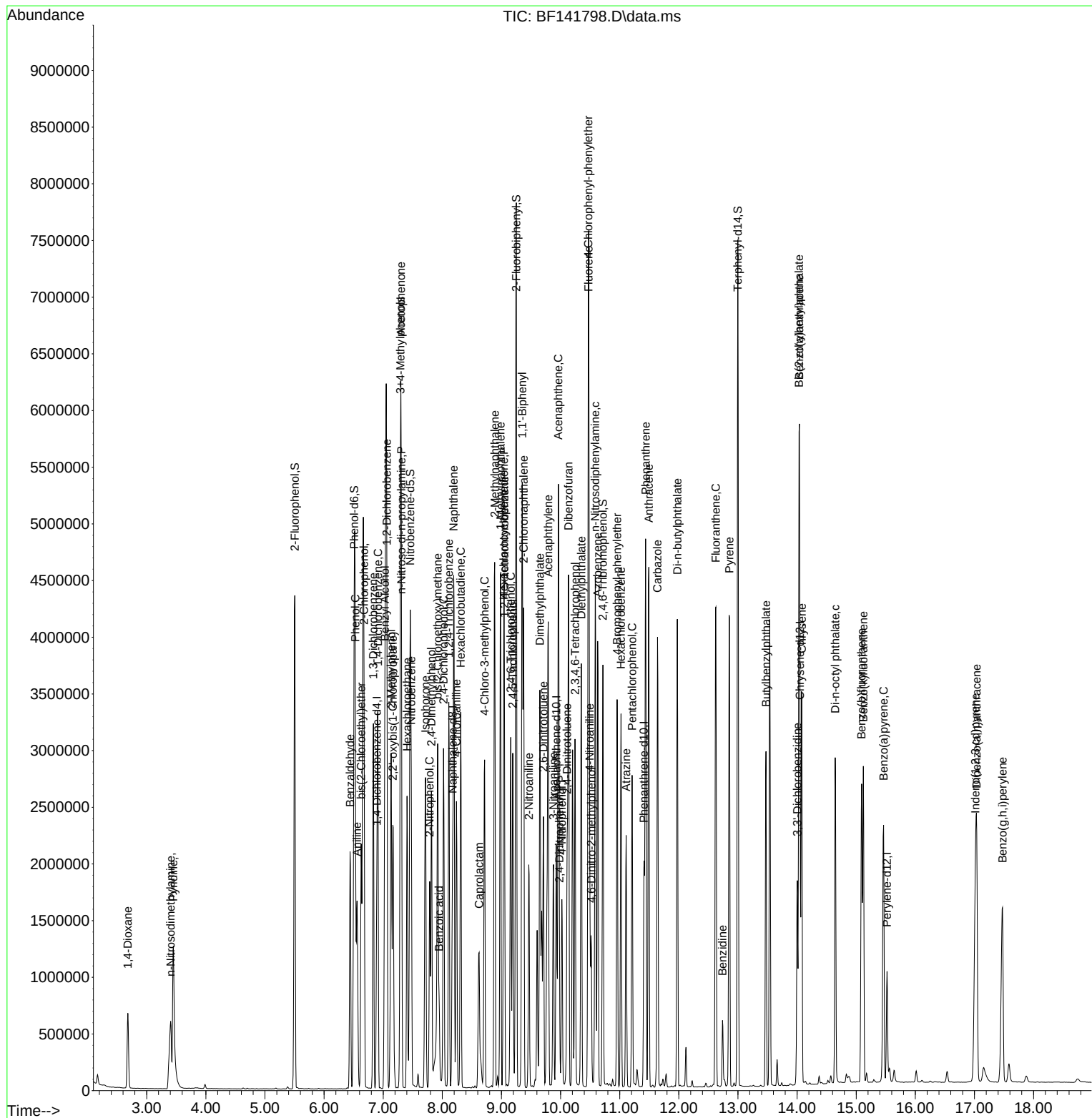
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	574978	49.213	ng	100
46) 1,1'-Biphenyl	9.351	154	2234592	46.420	ng	100
47) 2-Chloronaphthalene	9.375	162	1672555	47.075	ng	99
48) 2-Nitroaniline	9.463	65	469075	48.211	ng	98
49) Acenaphthylene	9.792	152	2466104	46.294	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

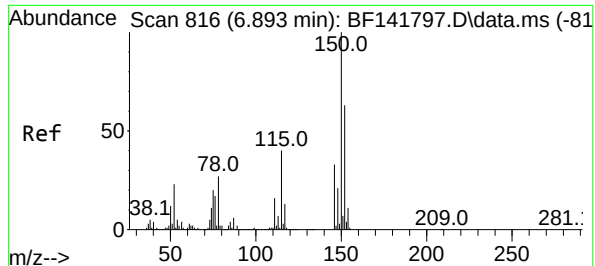
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

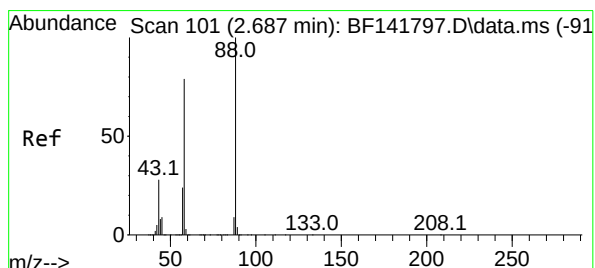
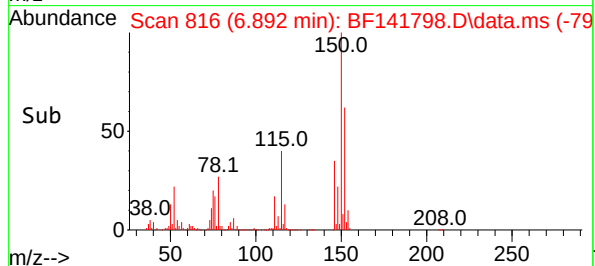
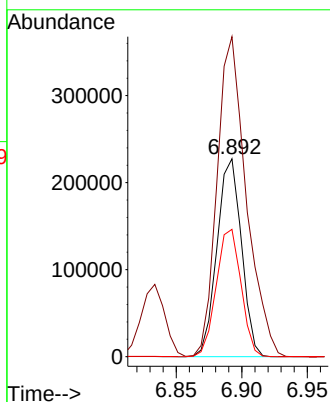
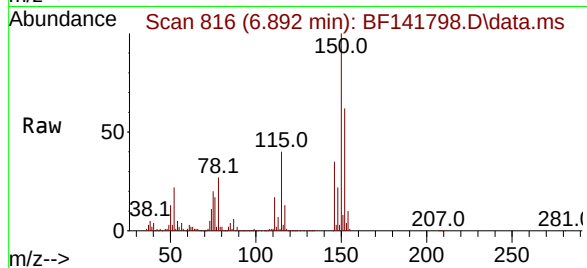




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

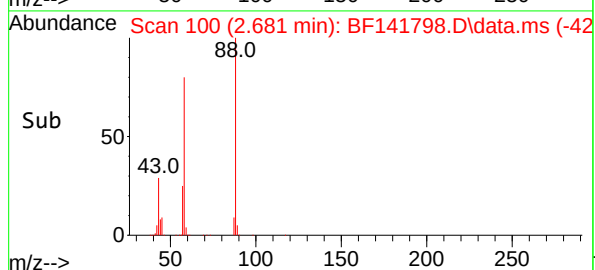
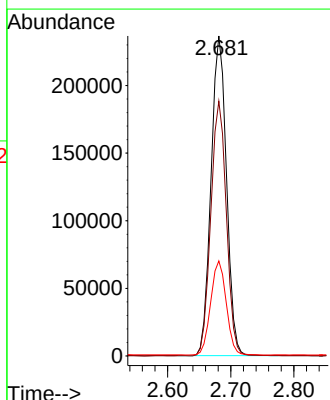
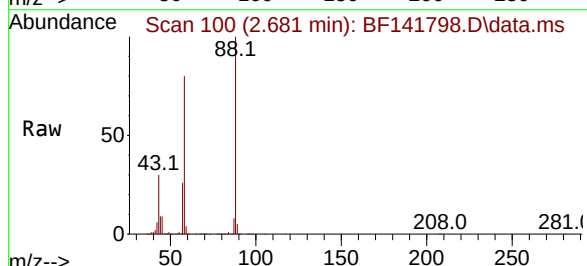
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

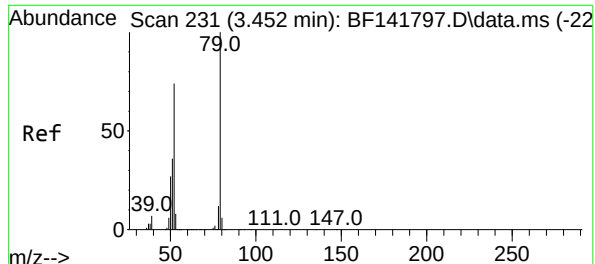
Tgt Ion:152 Resp: 294968
Ion Ratio Lower Upper
152 100
150 161.7 127.5 191.3
115 64.3 51.4 77.2



#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 :

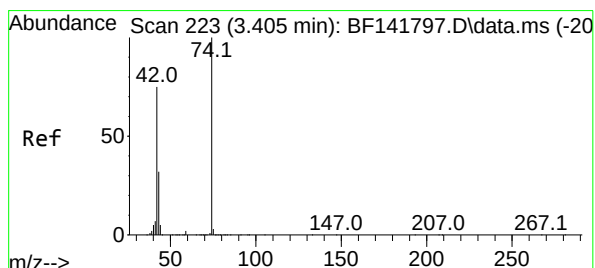
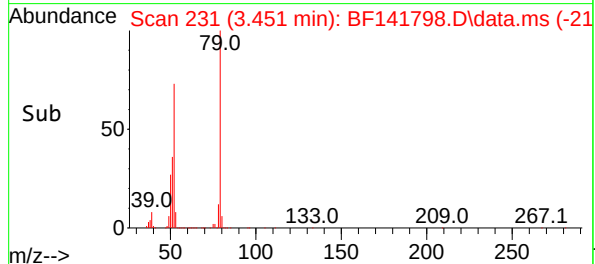
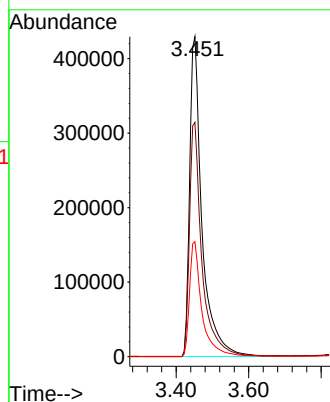
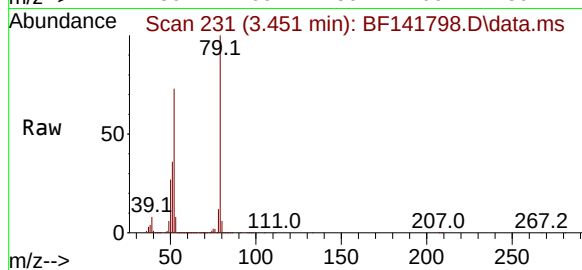
BNA_F

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

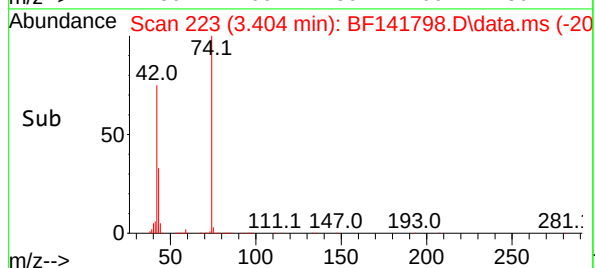
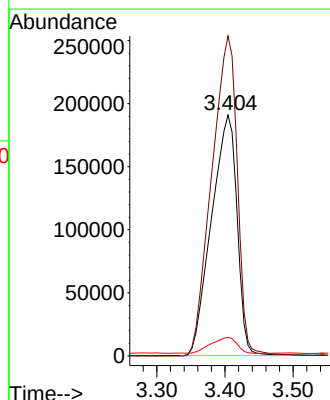
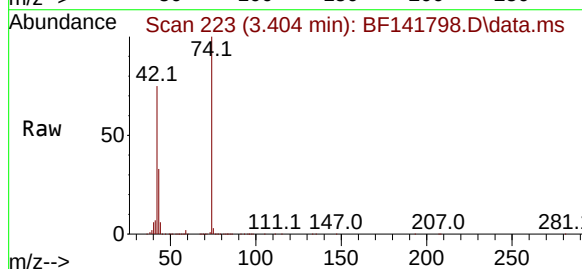
Delta R.T. -0.000 min

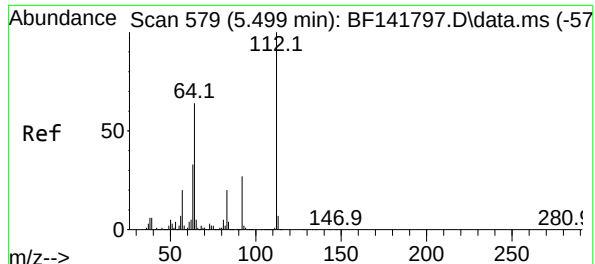
Lab File: BF141798.D

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

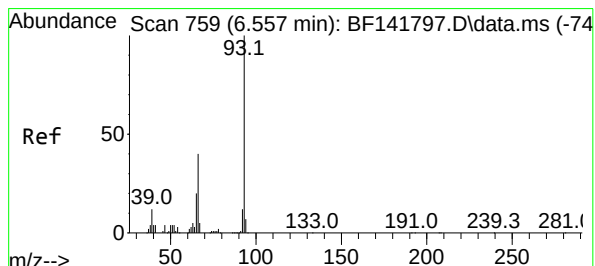
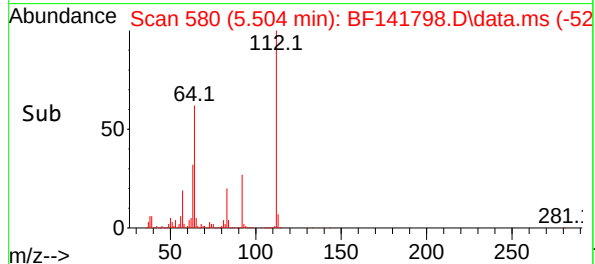
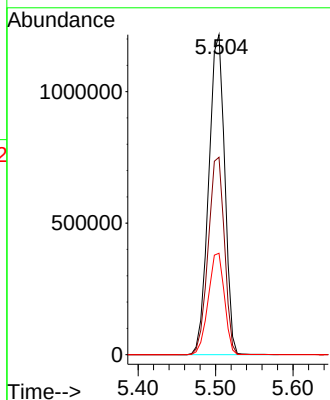
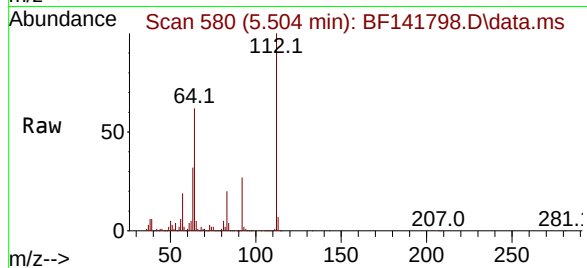




#5
2-Fluorophenol
Concen: 94.593 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

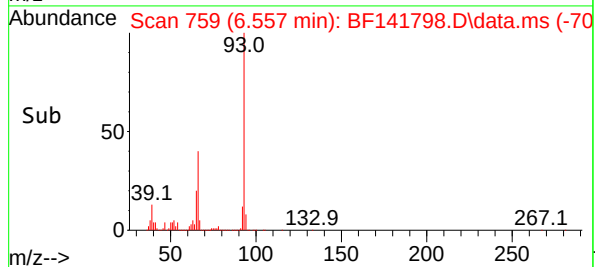
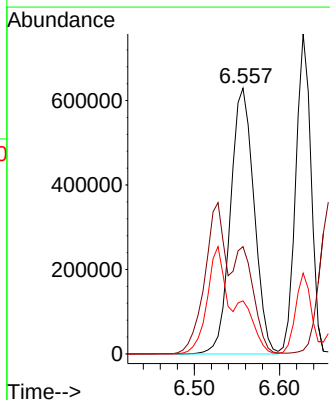
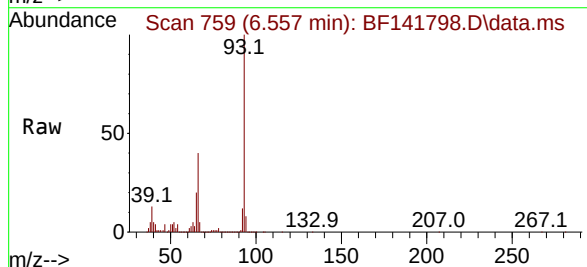
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

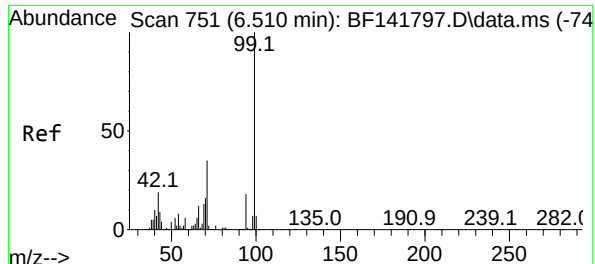
Tgt Ion:112 Resp: 1747157
Ion Ratio Lower Upper
112 100
64 61.7 51.3 76.9
63 31.7 26.2 39.4



#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 :

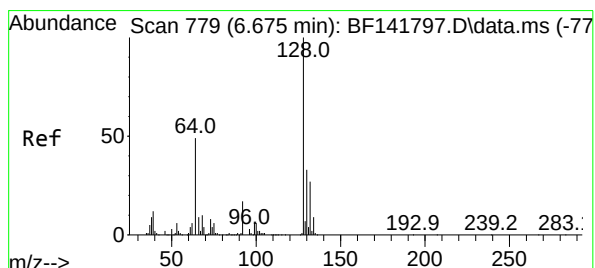
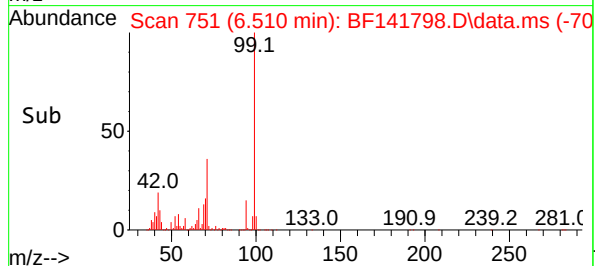
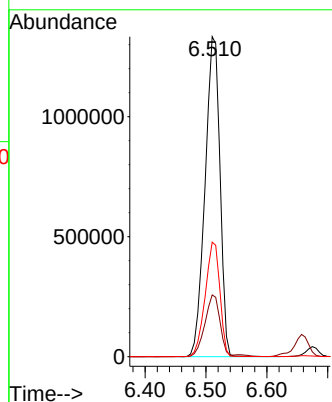
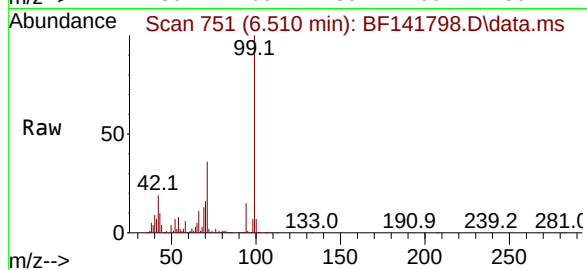
BNA_F

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

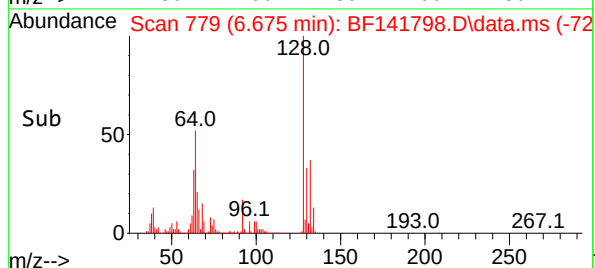
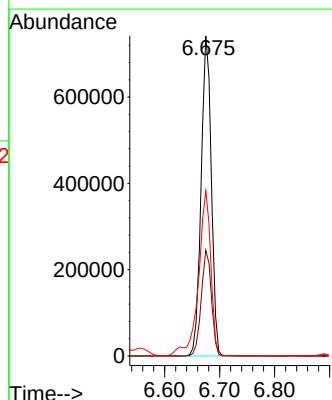
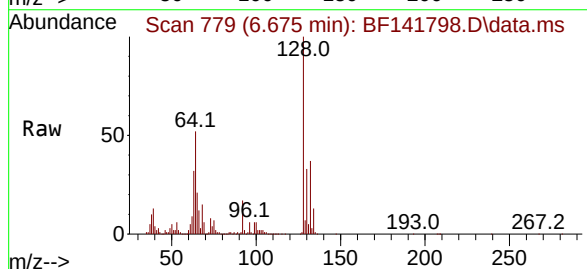
Delta R.T. -0.000 min

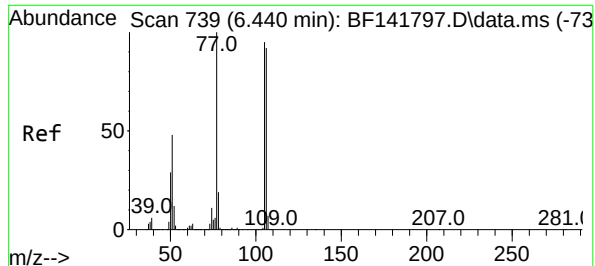
Lab File: BF141798.D

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

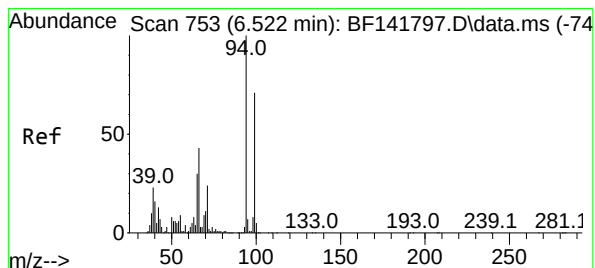
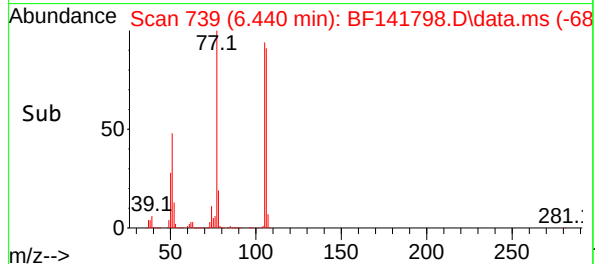
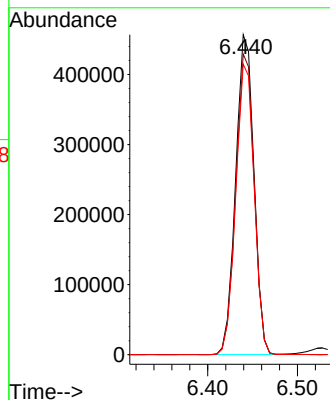
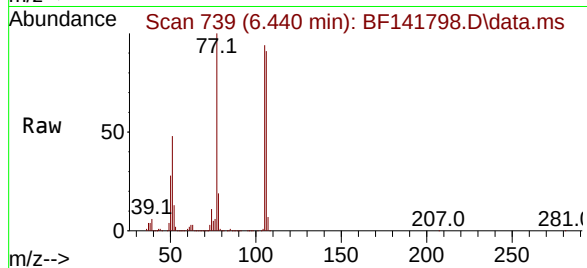




#9
Benzaldehyde
Concen: 46.113 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

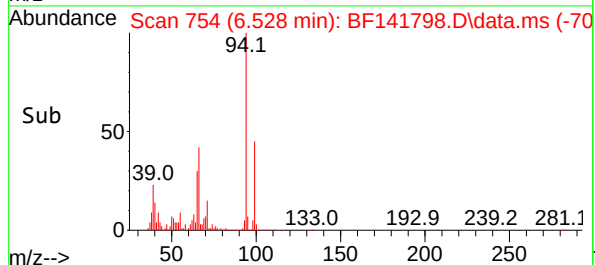
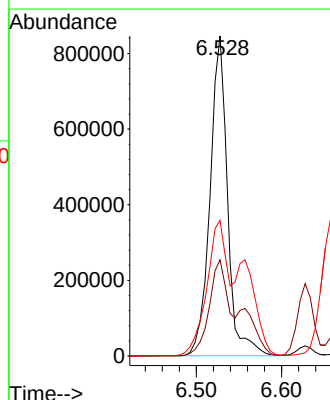
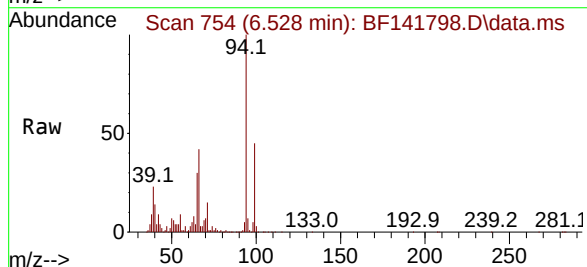
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

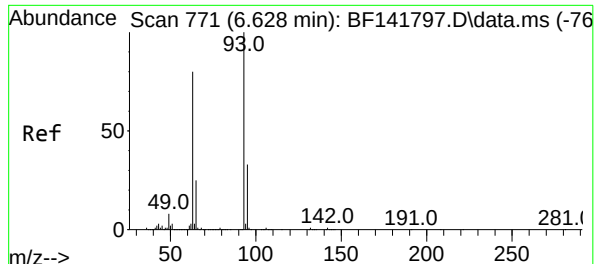
Tgt Ion: 77 Resp: 644844
Ion Ratio Lower Upper
77 100
105 93.9 75.3 115.3
106 90.8 72.3 112.3



#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

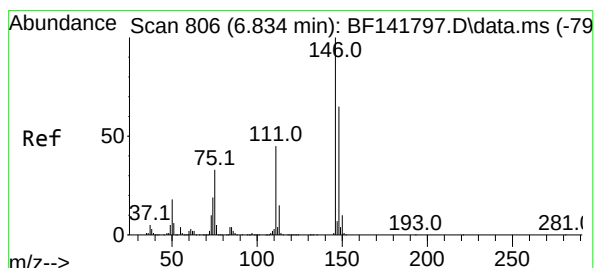
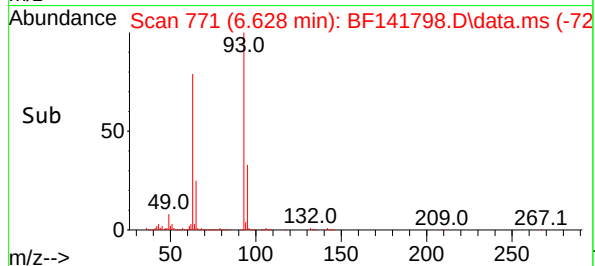
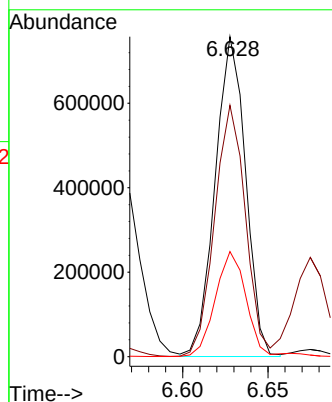
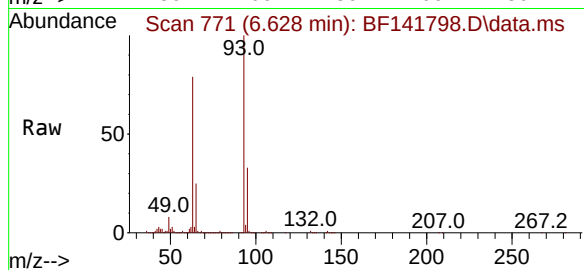
Tgt Ion: 93 Resp: 943249

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

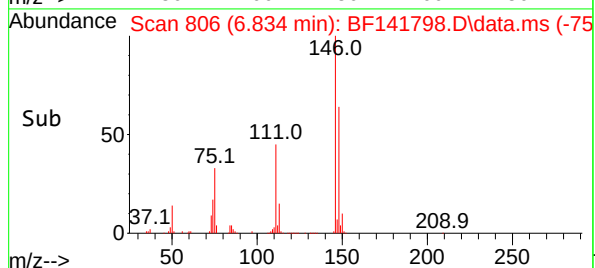
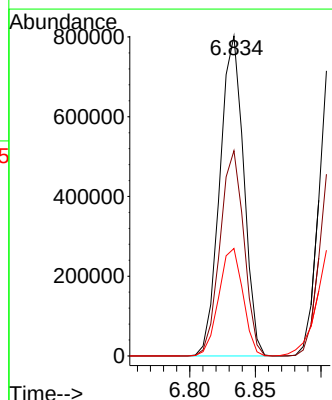
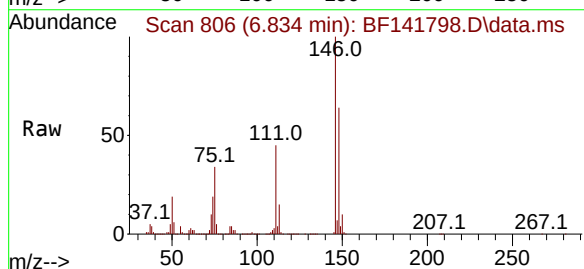
Tgt Ion:146 Resp: 1016156

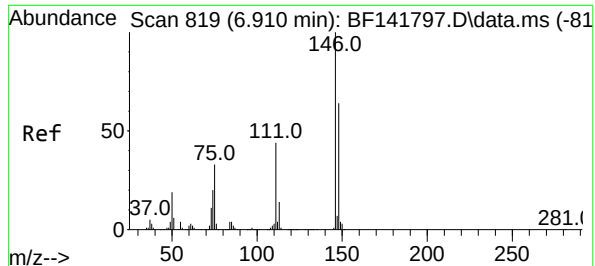
Ion Ratio Lower Upper

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

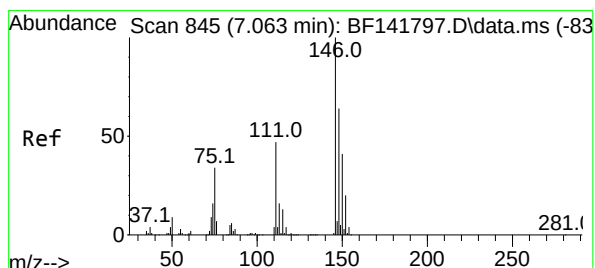
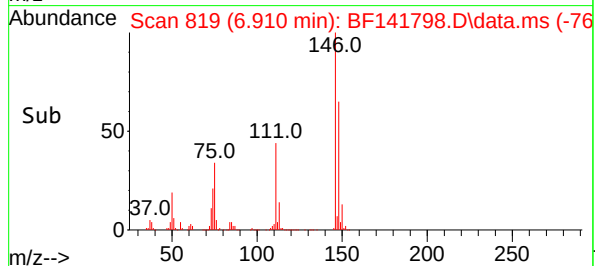
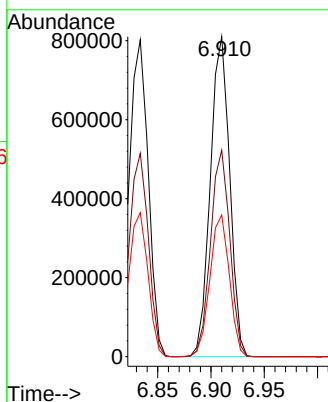
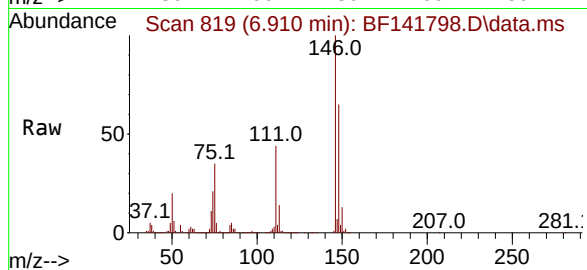
Tgt Ion:146 Resp: 1024761

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

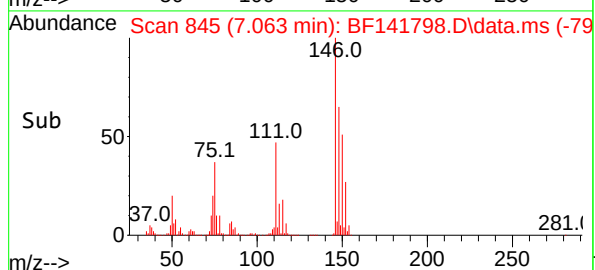
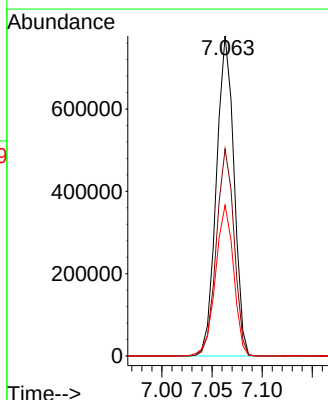
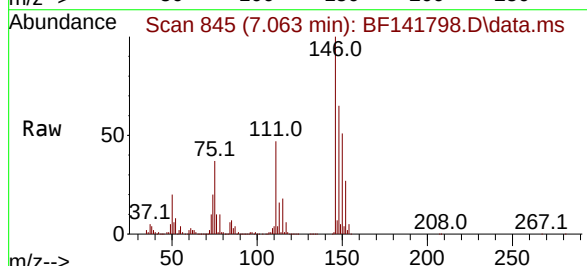
Tgt Ion:146 Resp: 948038

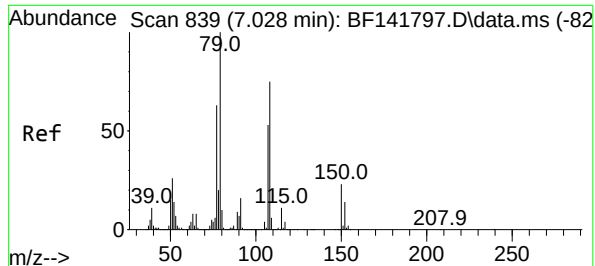
Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

111 47.1 37.8 56.6

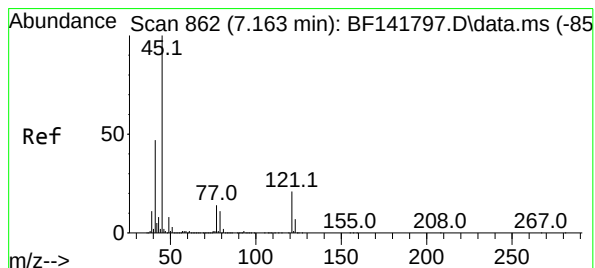
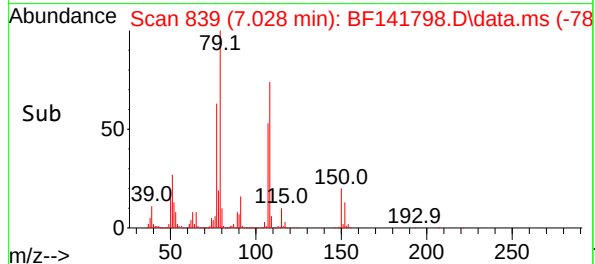
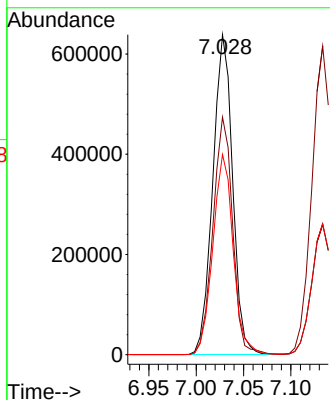
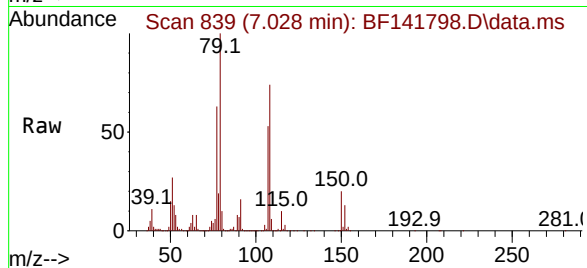




#15
Benzyl Alcohol
Concen: 48.272 ng
RT: 7.028 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

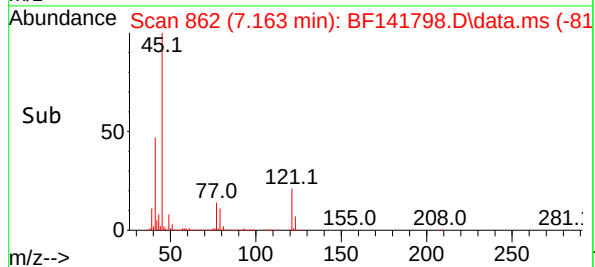
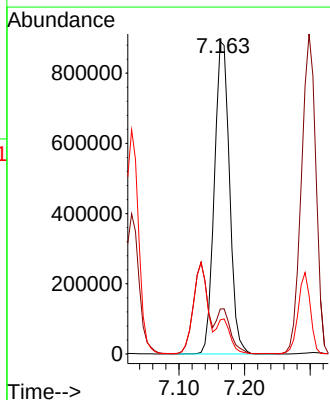
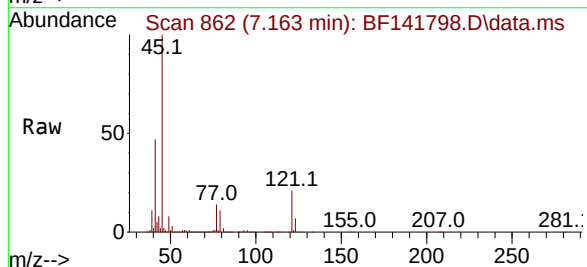
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

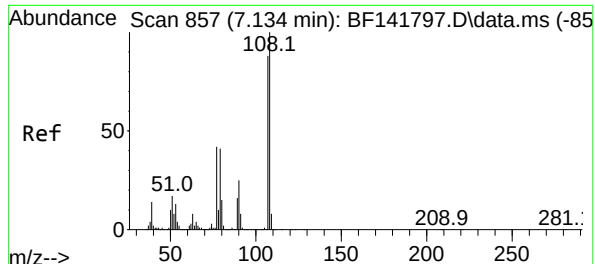
Tgt Ion: 79 Resp: 927459
Ion Ratio Lower Upper
79 100
108 74.2 60.2 90.2
77 62.6 50.2 75.2



#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

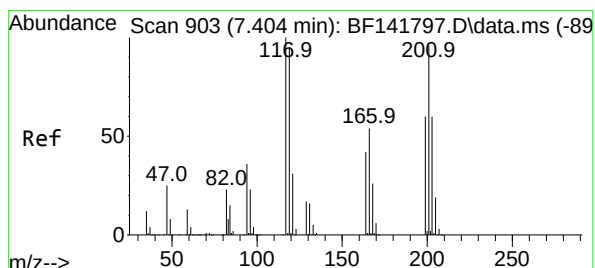
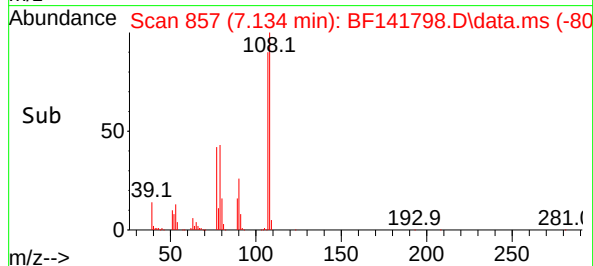
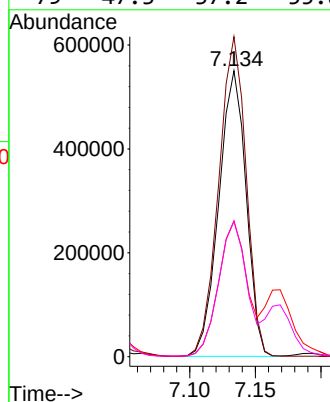
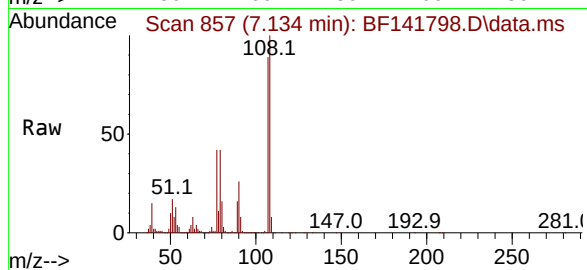
Ion Ratio Lower Upper

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

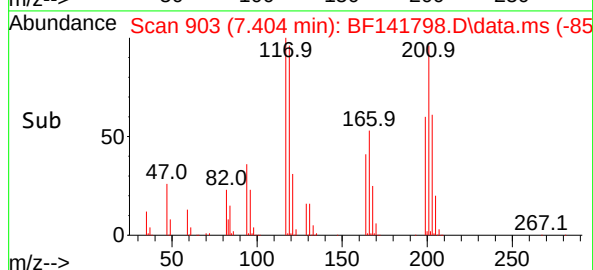
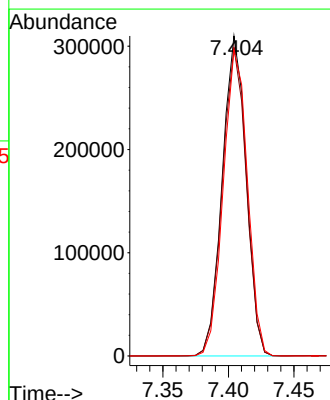
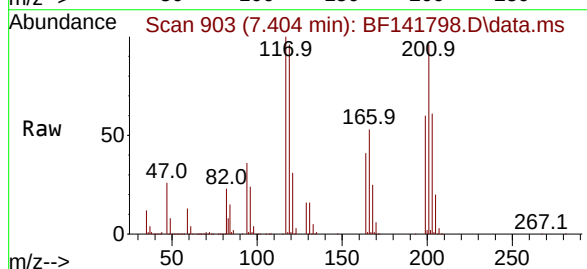
Tgt Ion:117 Resp: 393322

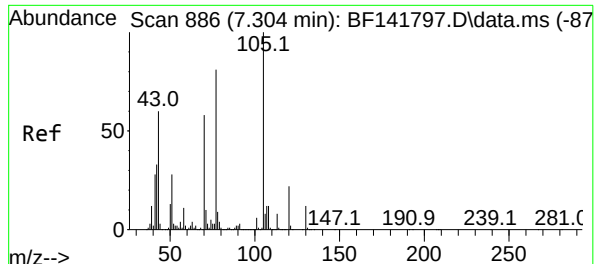
Ion Ratio Lower Upper

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

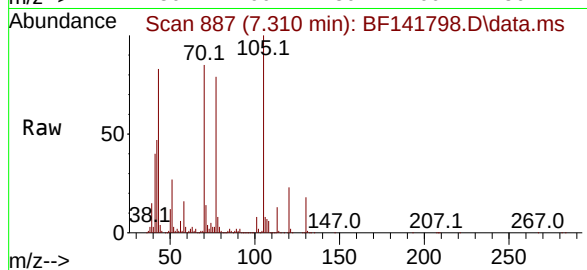
Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 744192

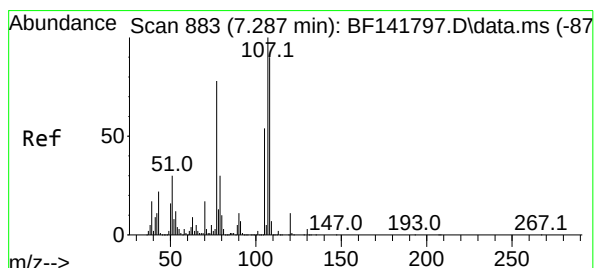
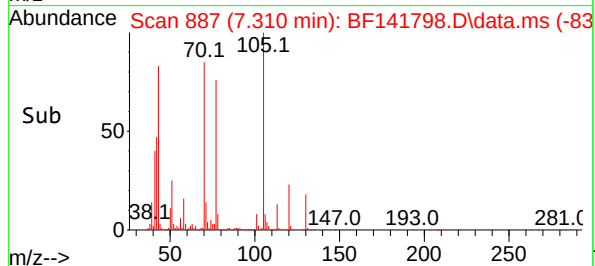
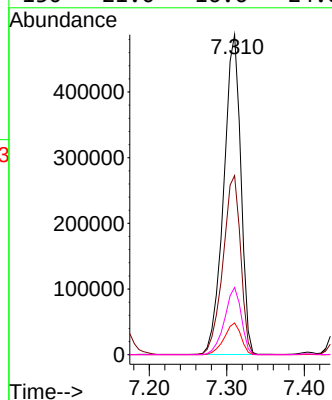
Ion Ratio Lower Upper

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

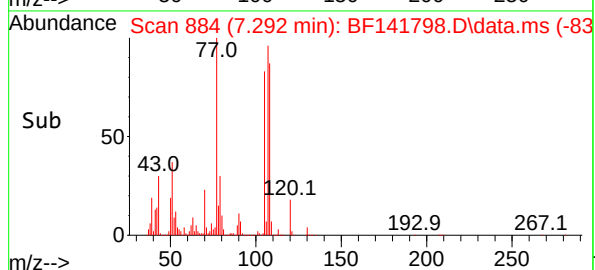
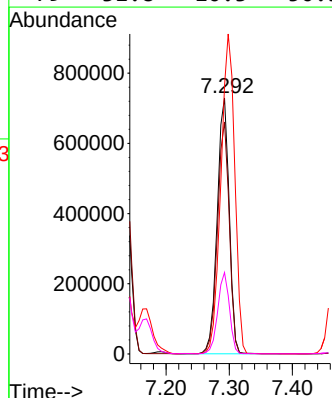
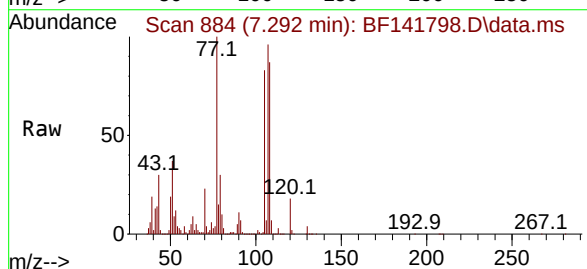
Ion Ratio Lower Upper

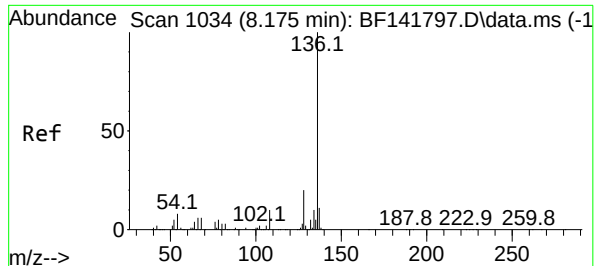
107 100

108 90.6 69.7 109.7

77 104.7 58.3 98.3#

79 31.8 10.3 50.3

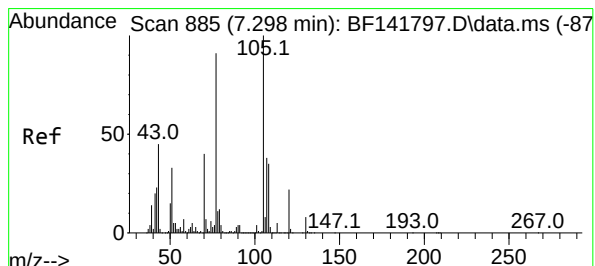
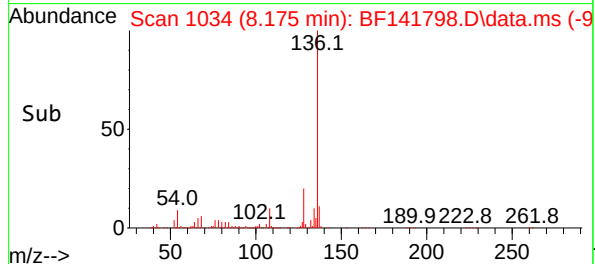
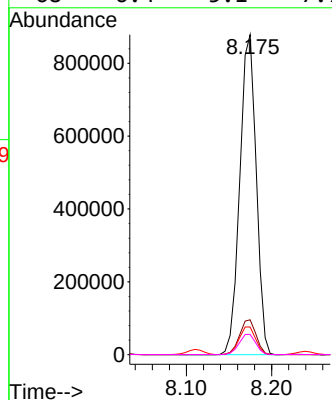
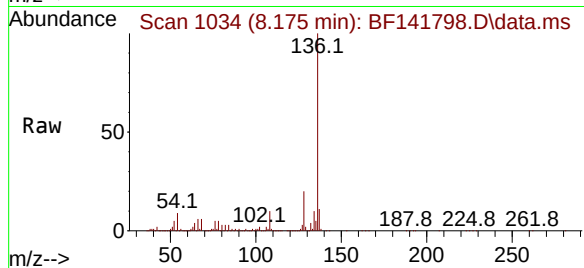




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

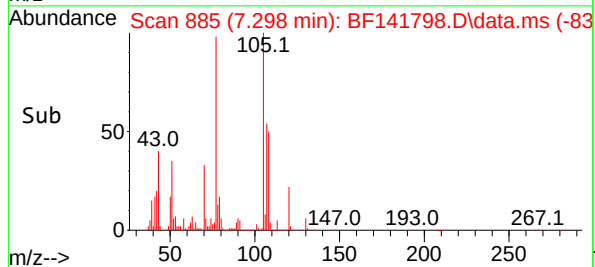
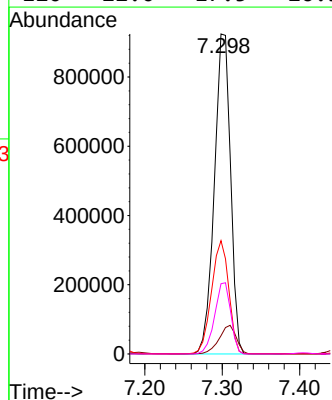
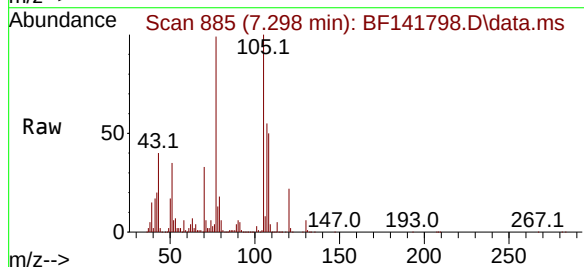
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

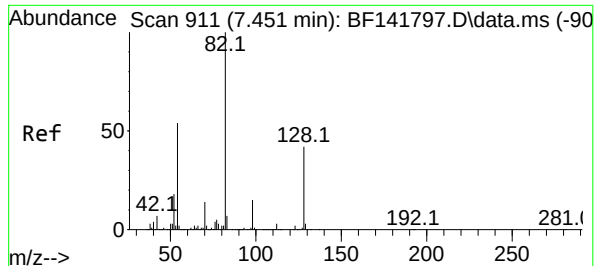
Tgt Ion:136 Resp: 1175652
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.7 6.9 10.3
68 6.4 5.1 7.7



#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 :

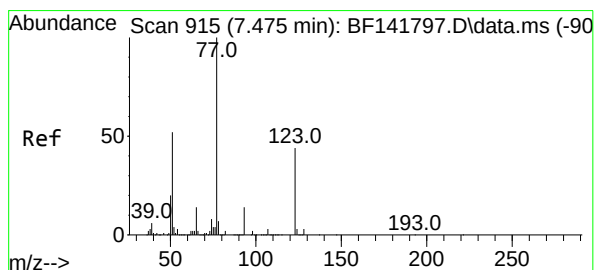
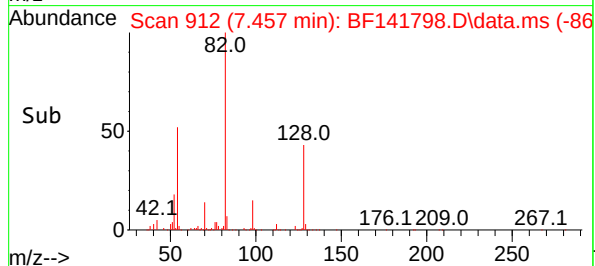
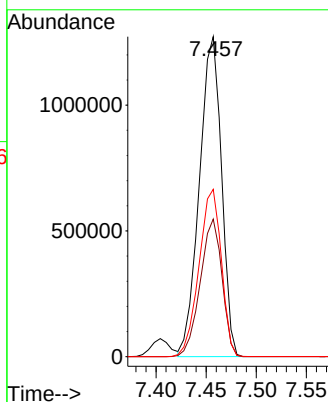
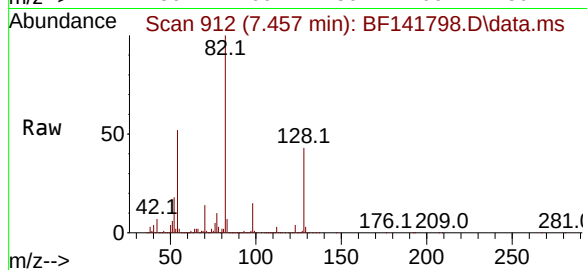
BNA_F

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

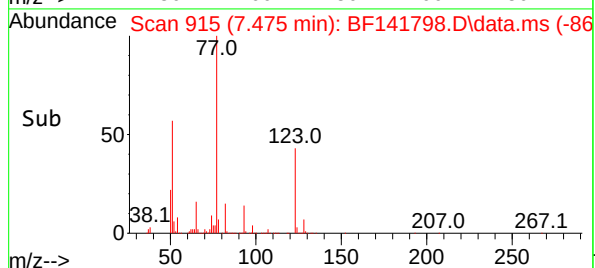
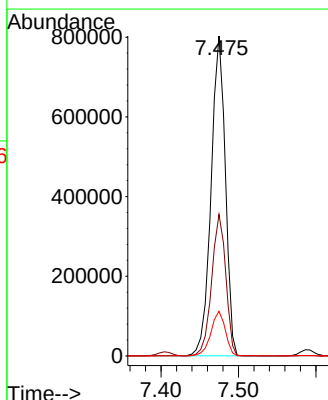
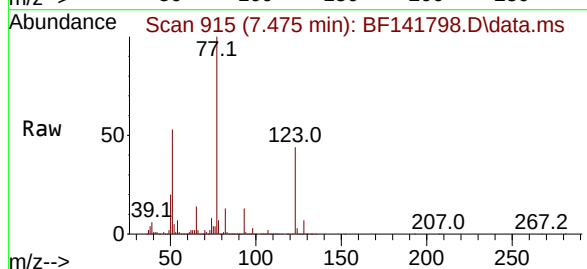
Delta R.T. -0.000 min

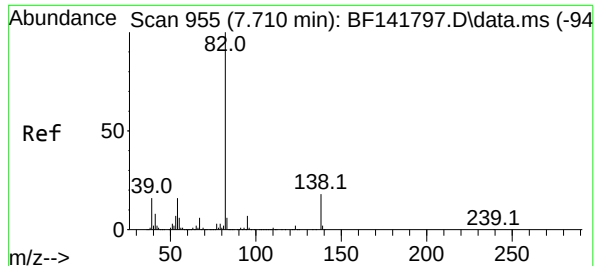
Lab File: BF141798.D

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

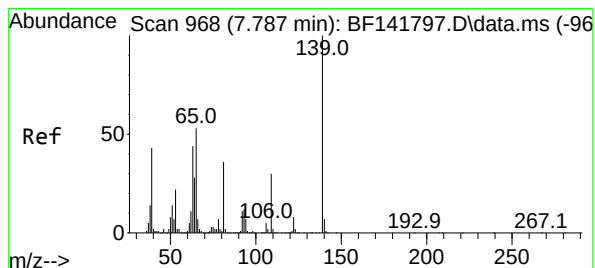
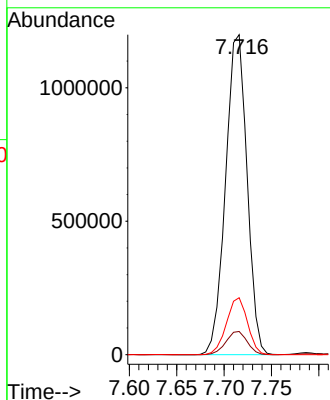
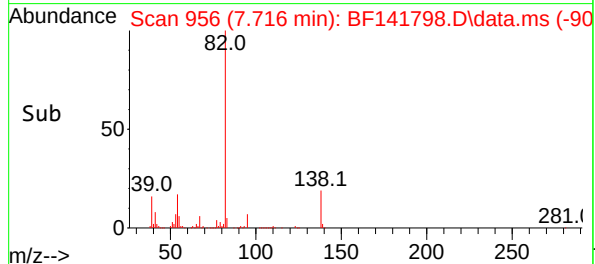
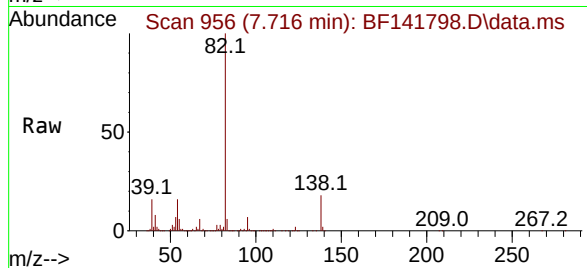




#25
Isophorone
Concen: 47.744 ng
RT: 7.716 min Scan# 956
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

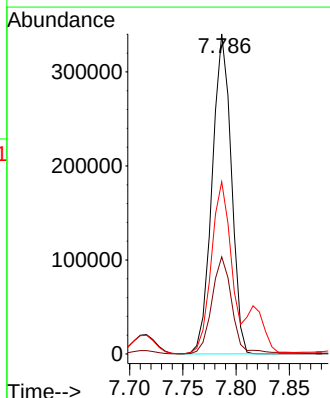
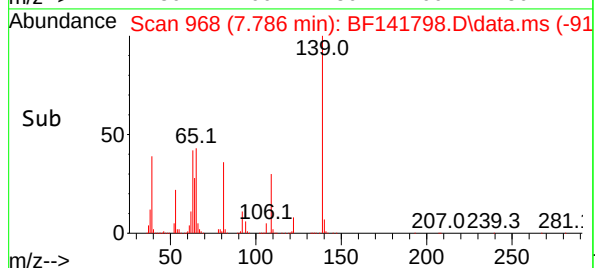
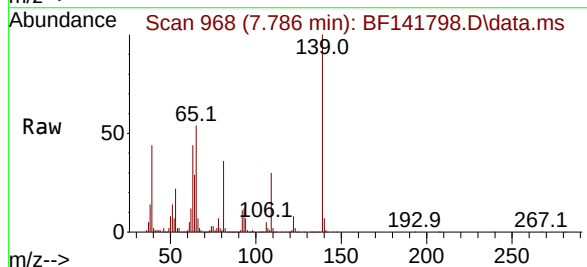
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

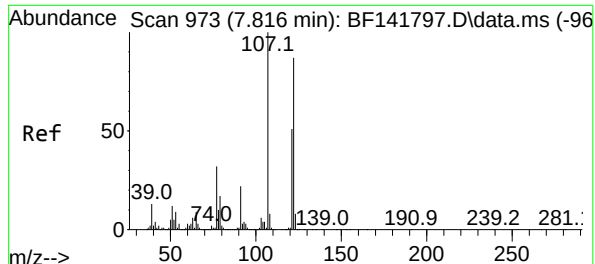
Tgt Ion: 82 Resp: 1886546
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 17.8 14.0 21.0



#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 :

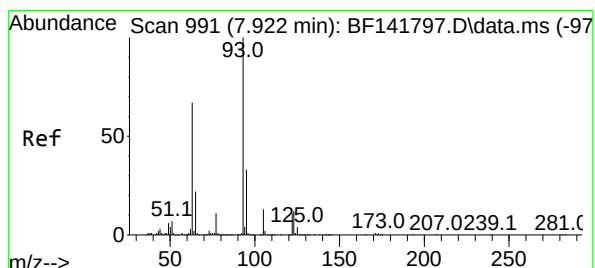
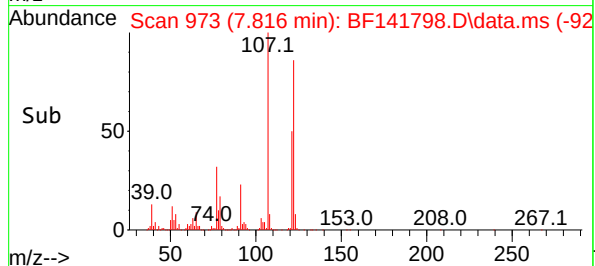
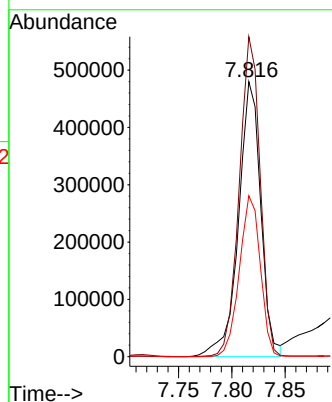
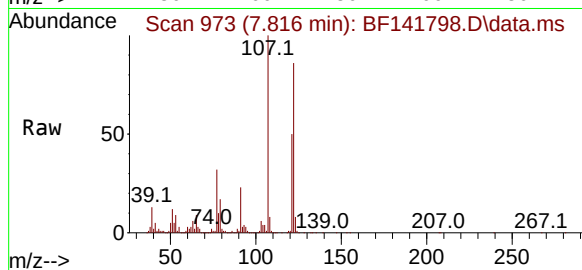
BNA_F

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

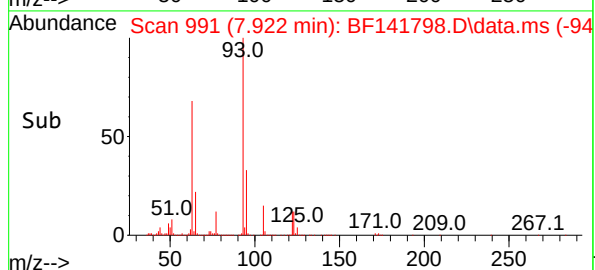
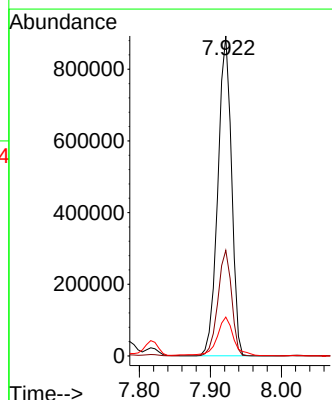
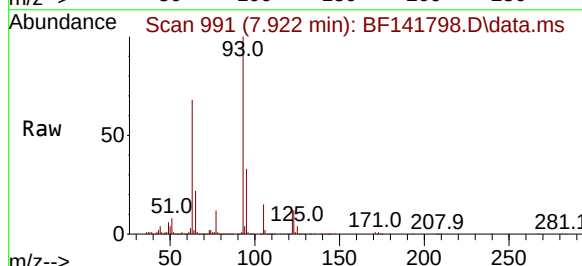
Delta R.T. -0.000 min

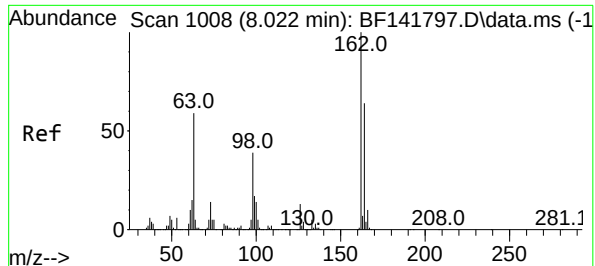
Lab File: BF141798.D

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

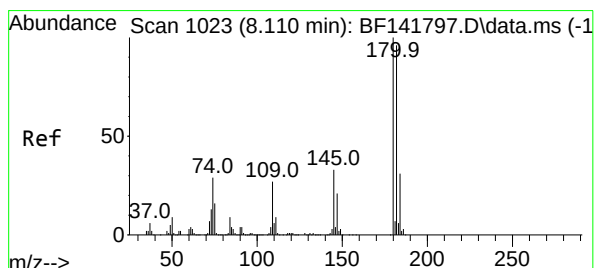
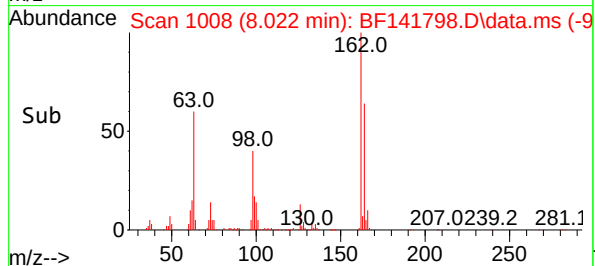
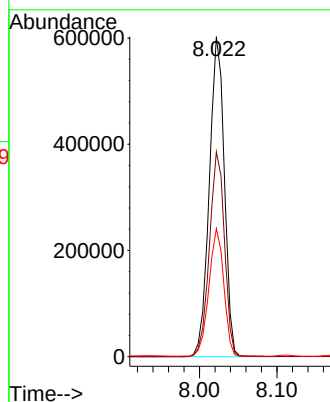
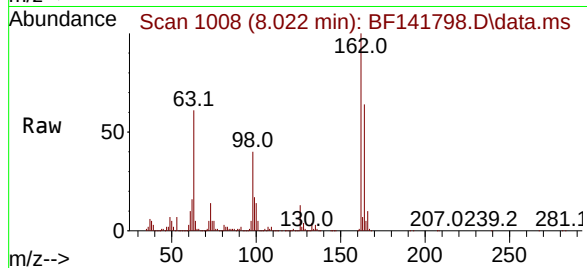
Tgt Ion:162 Resp: 813150

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

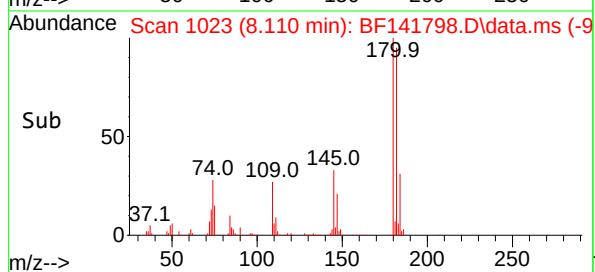
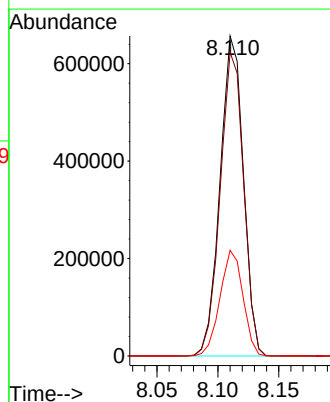
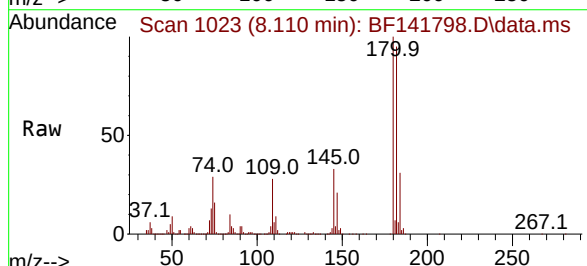
Tgt Ion:180 Resp: 875703

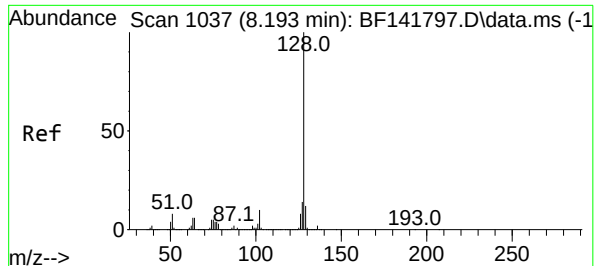
Ion Ratio Lower Upper

180 100

182 94.9 76.8 115.2

145 33.0 26.4 39.6

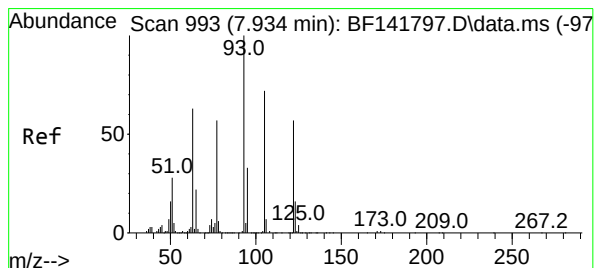
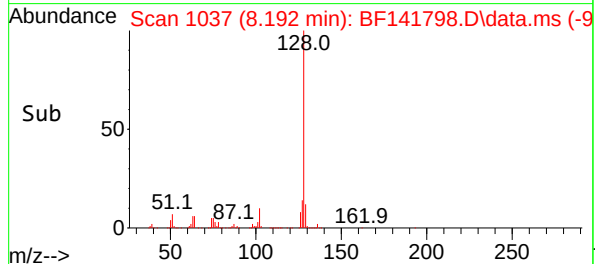
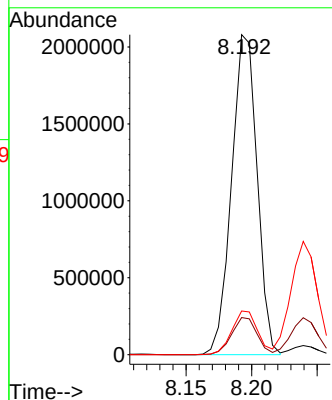
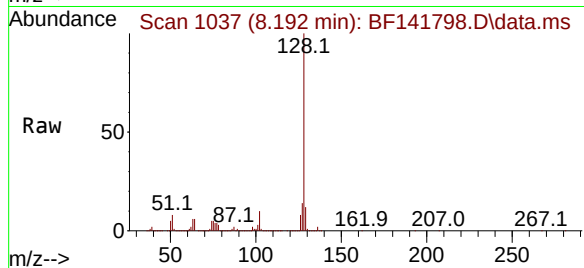




#31
Naphthalene
Concen: 46.685 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

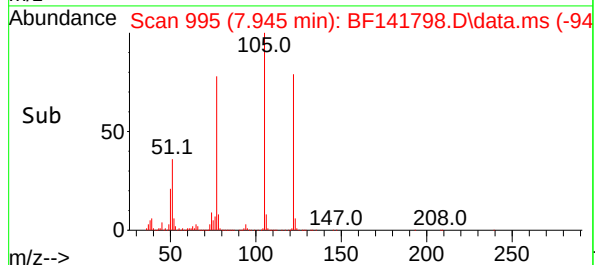
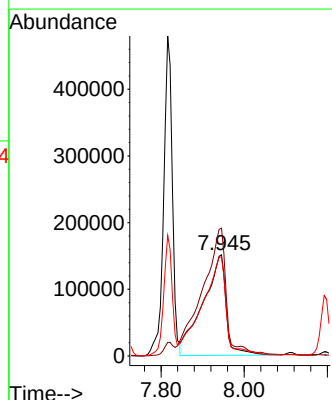
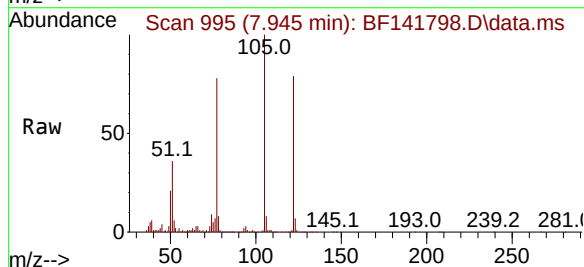
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

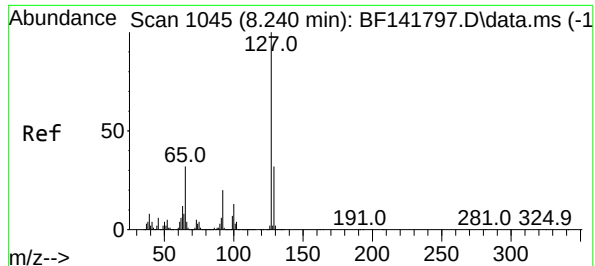
Tgt Ion:128 Resp: 2820879
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.7 11.0 16.4



#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

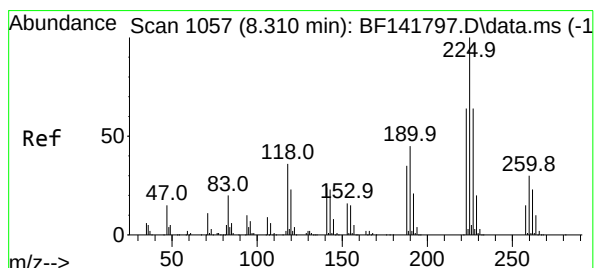
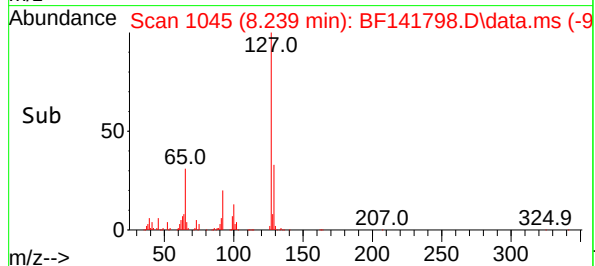
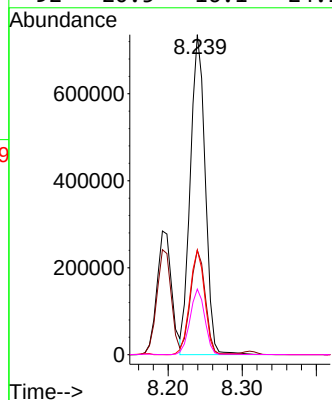
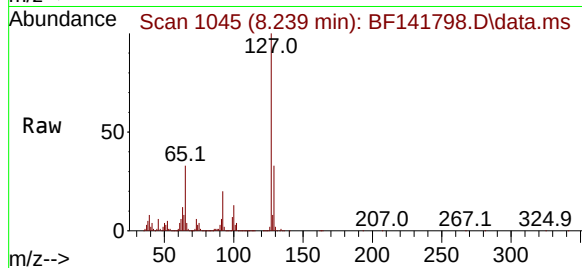
Ion	Ratio	Lower	Upper

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

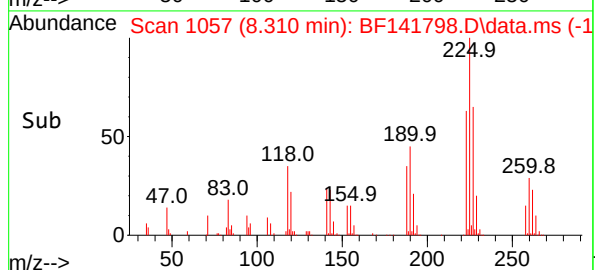
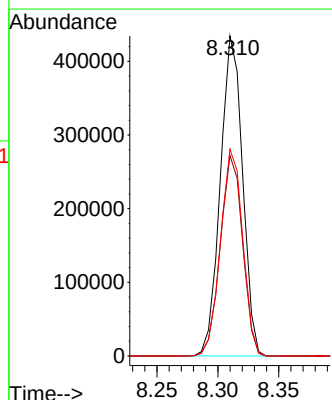
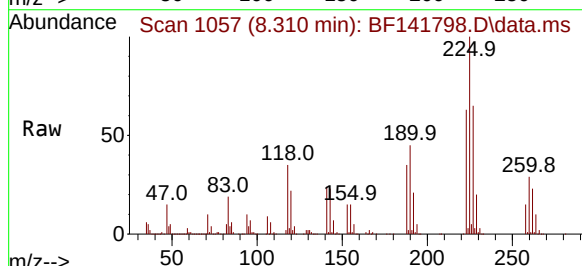
Tgt Ion:225 Resp: 551683

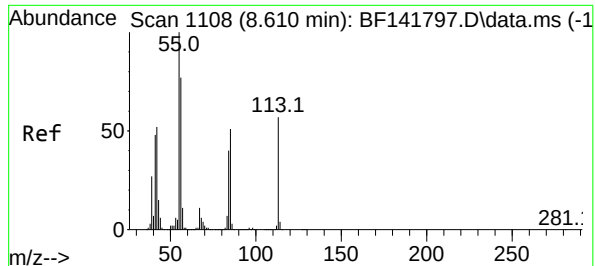
Ion	Ratio	Lower	Upper

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

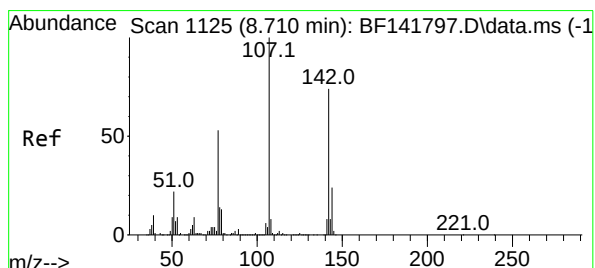
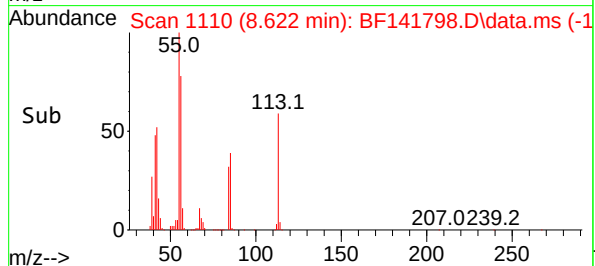
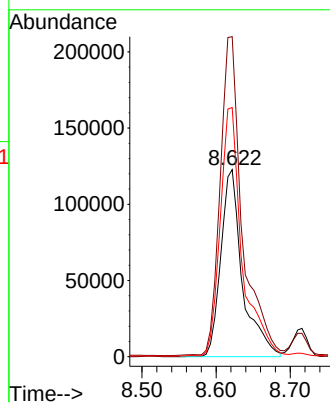
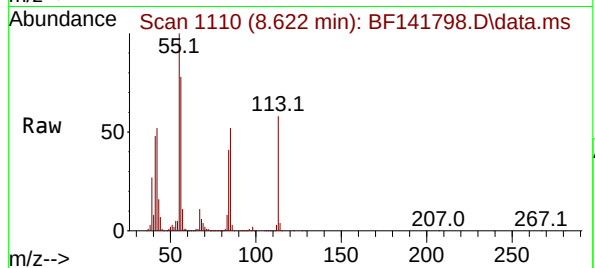
Tgt Ion:113 Resp: 248725

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

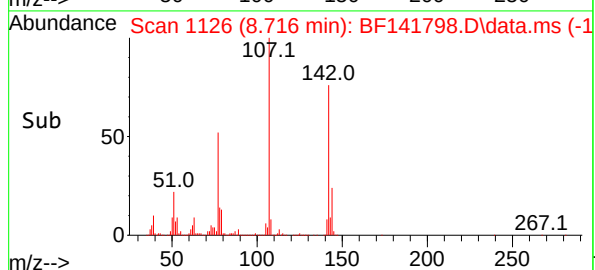
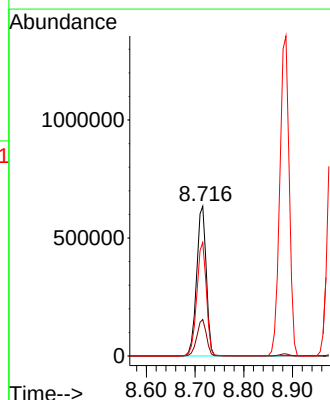
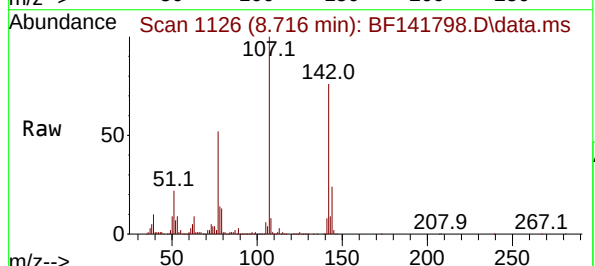
Tgt Ion:107 Resp: 880725

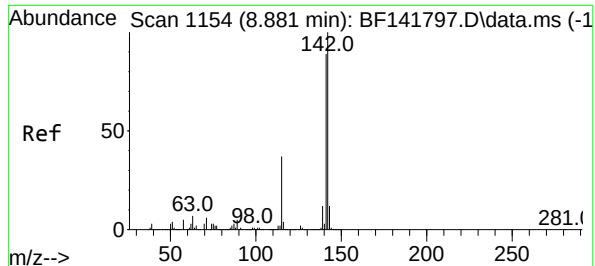
Ion Ratio Lower Upper

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 :

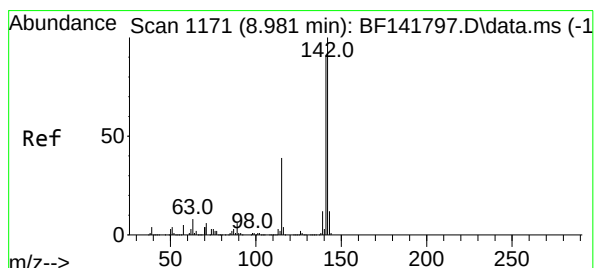
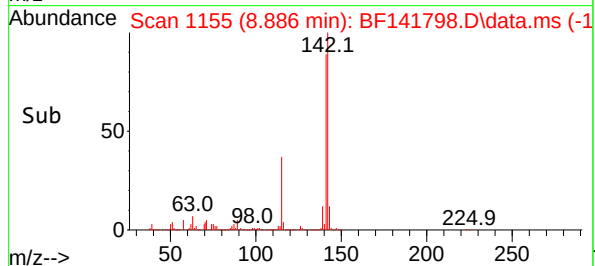
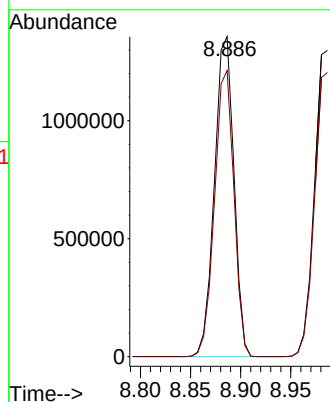
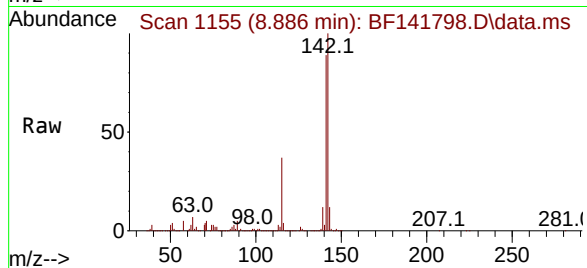
SSTDICC050

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

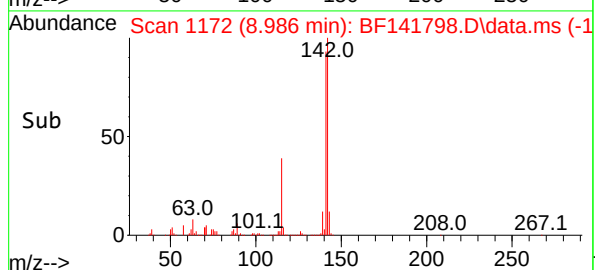
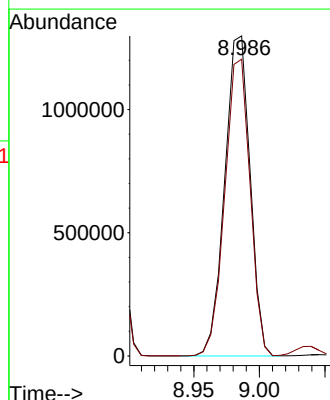
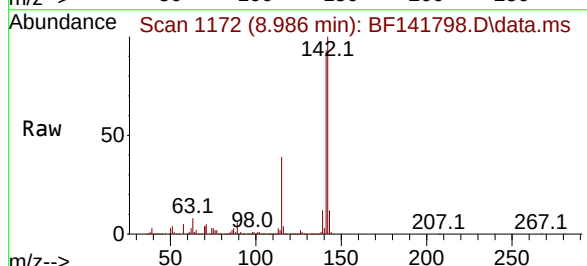
Acq: 27 Feb 2025 17:46

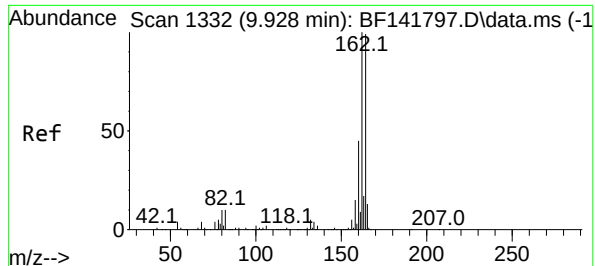
Tgt Ion:142 Resp: 1745465

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

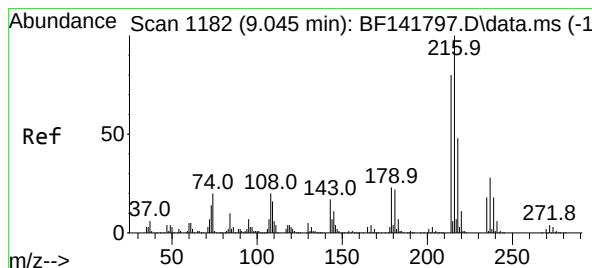
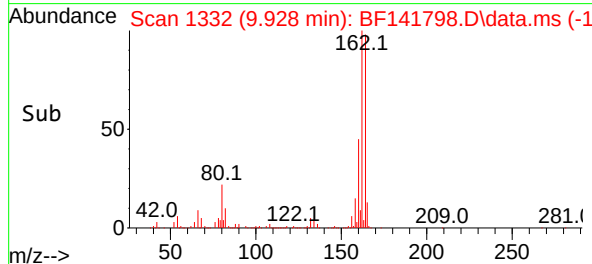
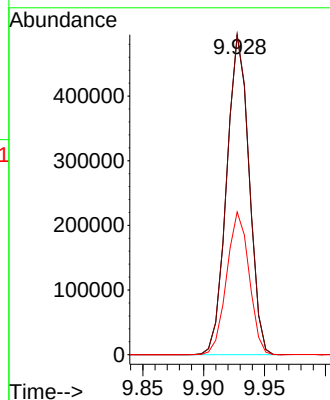
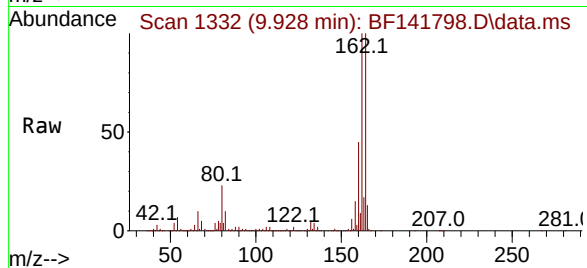
Tgt Ion:164 Resp: 632437

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

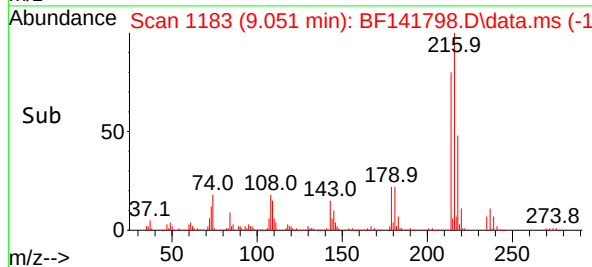
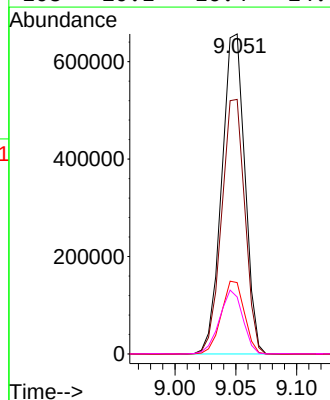
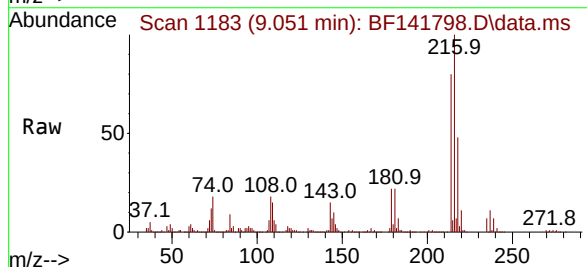
Ion Ratio Lower Upper

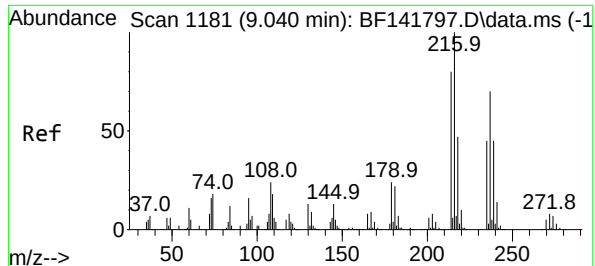
216 100

214 79.7 63.5 95.3

179 22.6 18.1 27.1

108 20.1 16.4 24.6

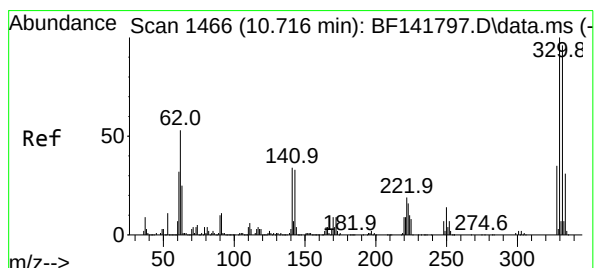
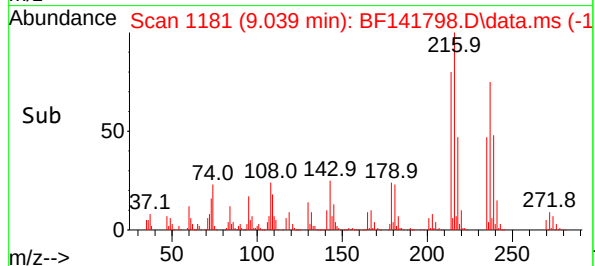
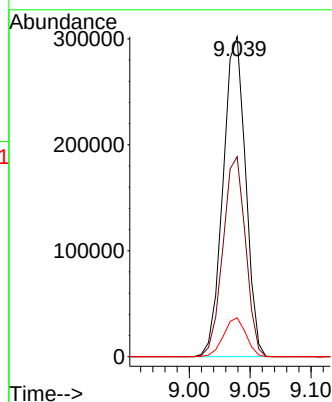
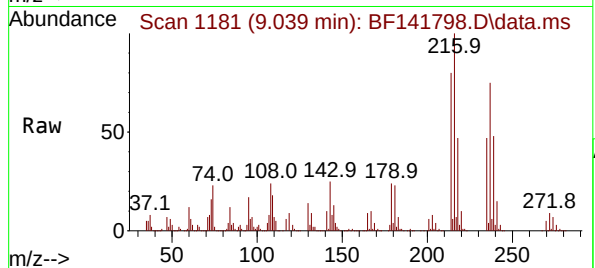




#41
Hexachlorocyclopentadiene
Concen: 50.930 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

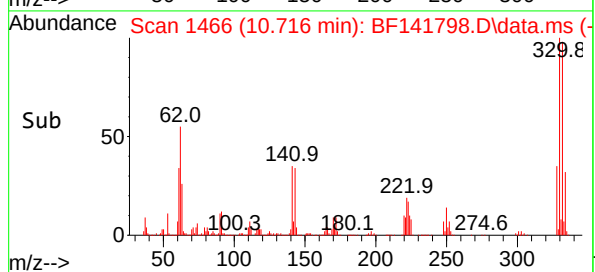
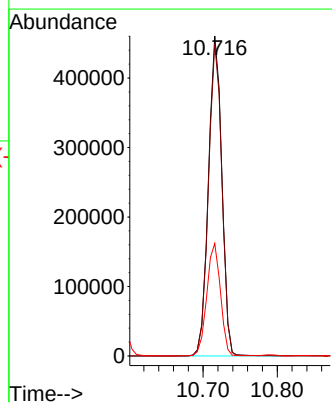
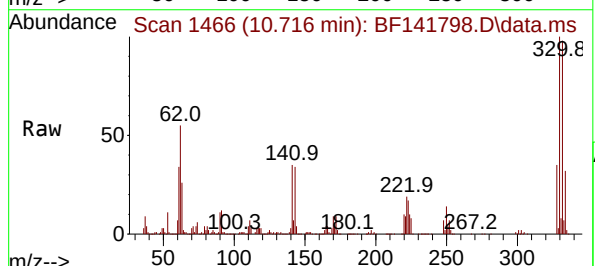
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

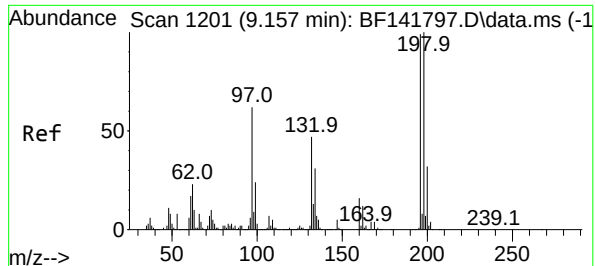
Tgt Ion:237 Resp: 388222
Ion Ratio Lower Upper
237 100
235 62.5 43.3 83.3
272 12.2 0.0 31.9



#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

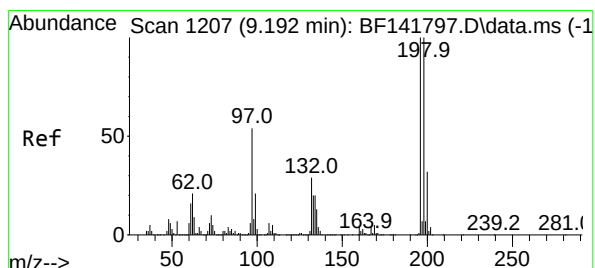
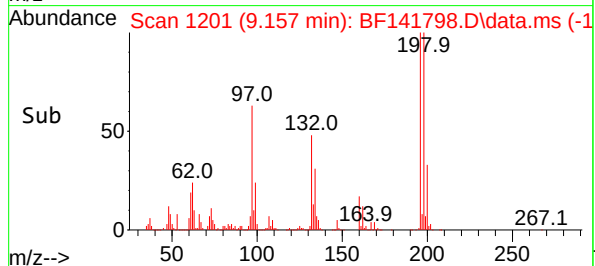
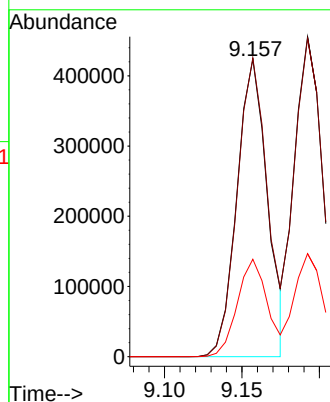
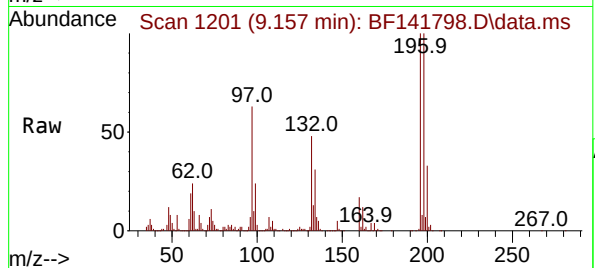
Tgt Ion:196 Resp: 578263

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

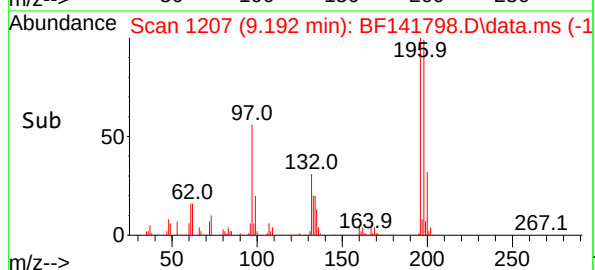
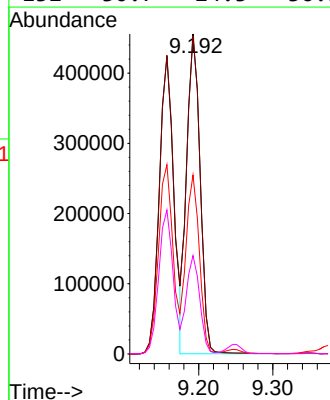
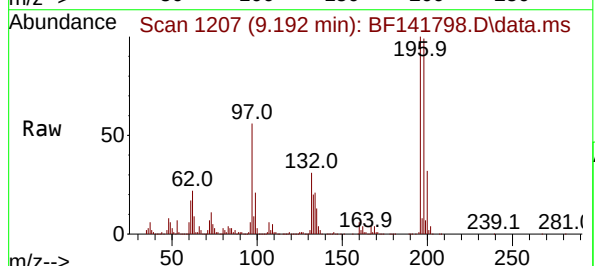
Ion Ratio Lower Upper

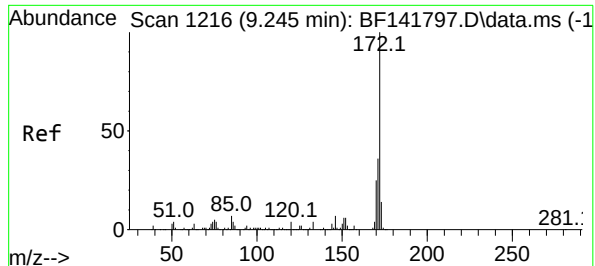
196 100

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

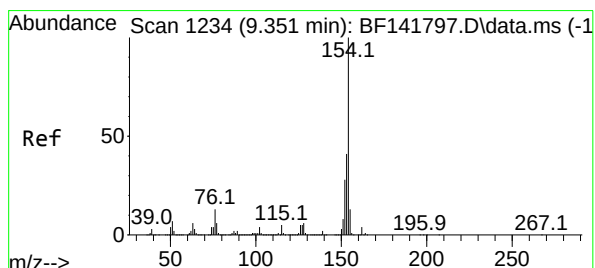
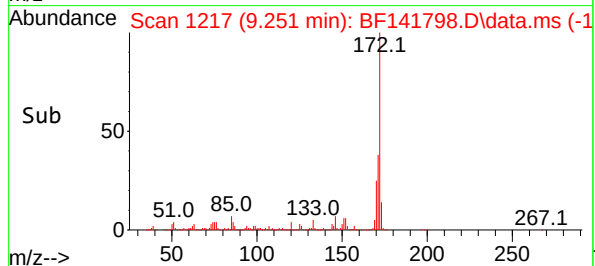
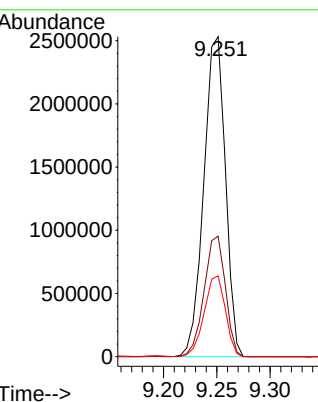
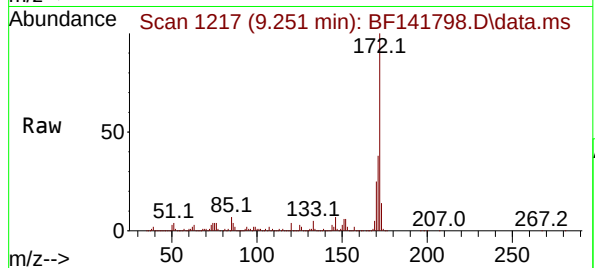
Tgt Ion:172 Resp: 3566962

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

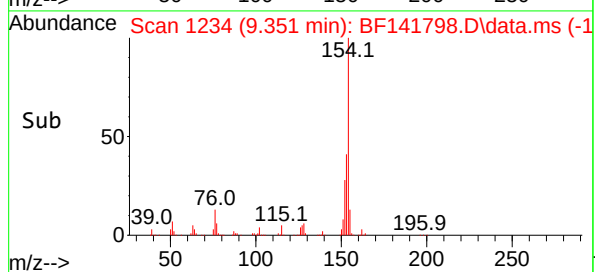
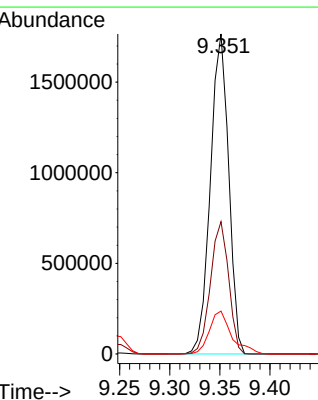
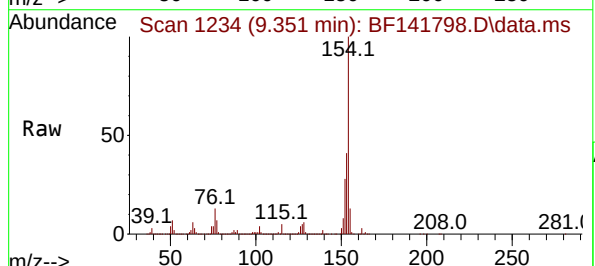
Tgt Ion:154 Resp: 2234592

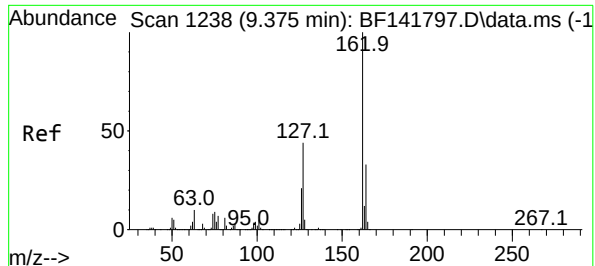
Ion Ratio Lower Upper

154 100

153 41.4 21.4 61.4

76 13.4 0.0 33.4

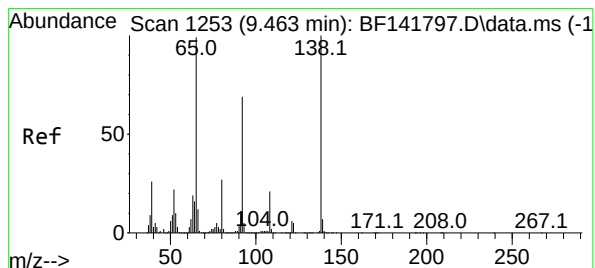
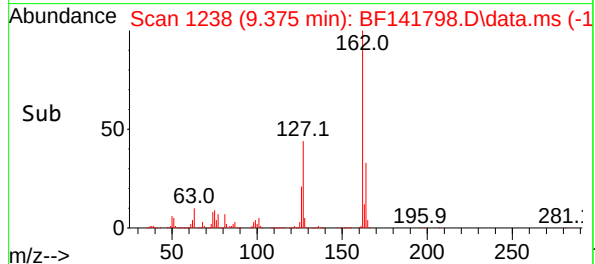
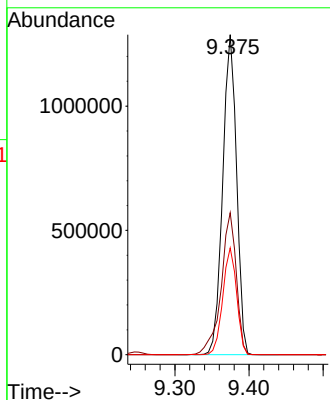
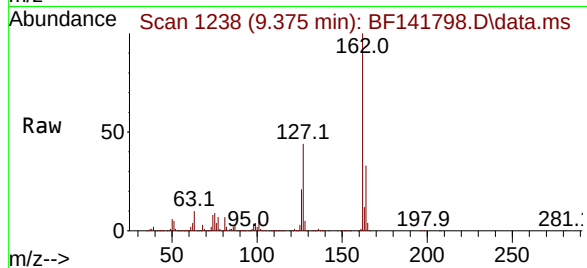




#47
2-Chloronaphthalene
Concen: 47.075 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

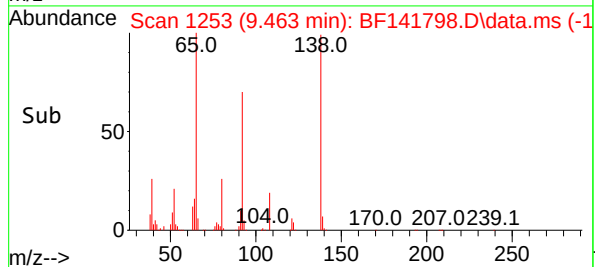
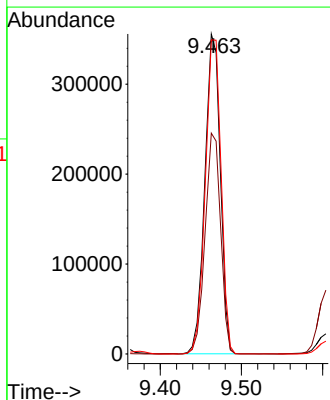
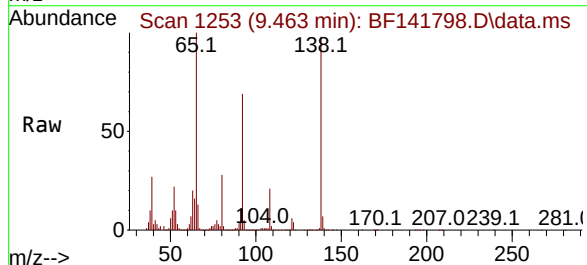
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

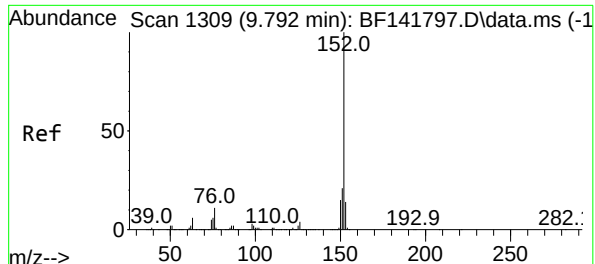
Tgt Ion:162 Resp: 1672555
Ion Ratio Lower Upper
162 100
127 44.4 35.0 52.6
164 33.4 26.6 40.0



#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# 1

Delta R.T. -0.000 min

Lab File: BF141798.D

Acq: 27 Feb 2025 17:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

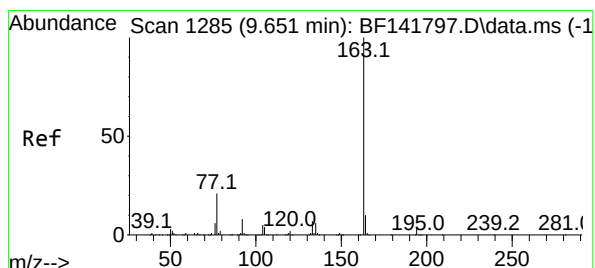
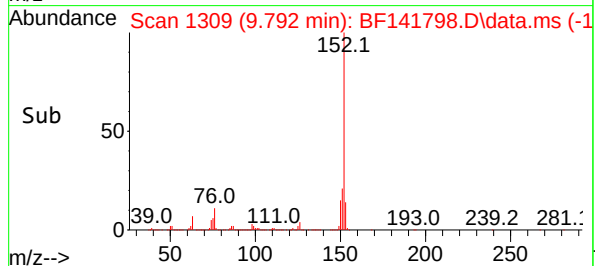
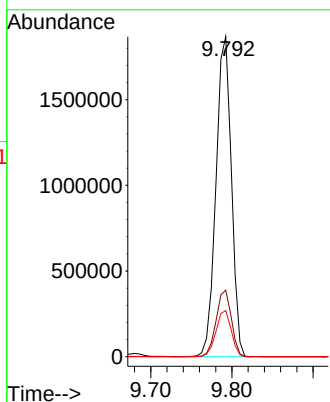
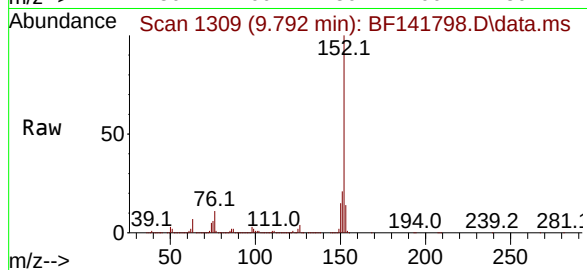
Tgt Ion:152 Resp: 2466104

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

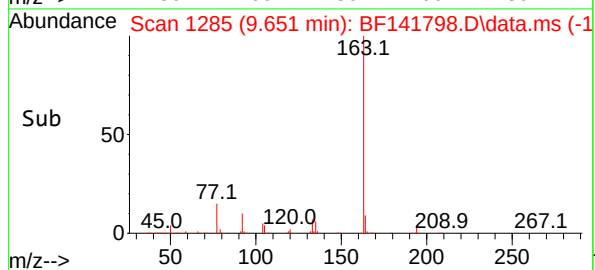
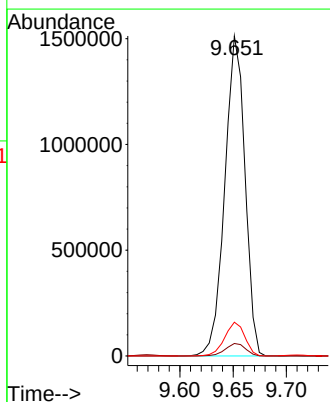
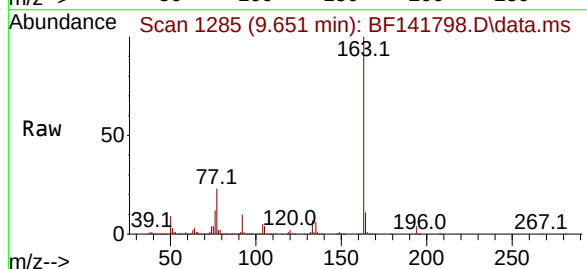
Tgt Ion:163 Resp: 1994958

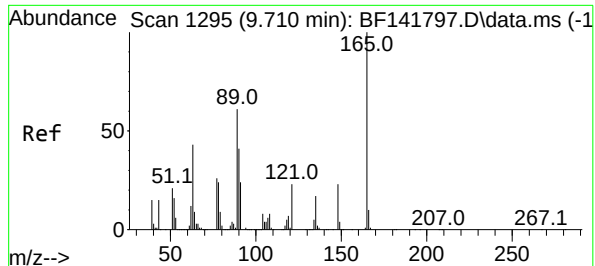
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.5 8.4 12.6

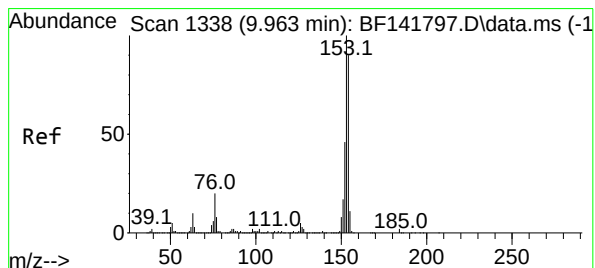
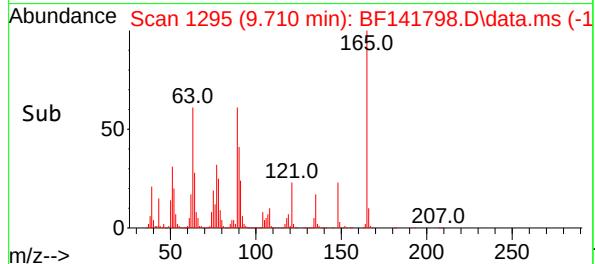
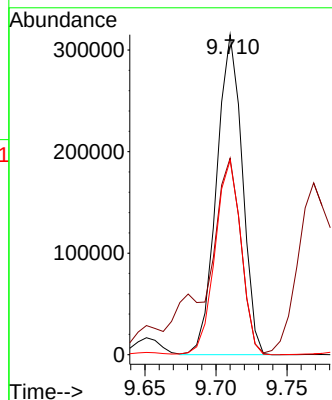
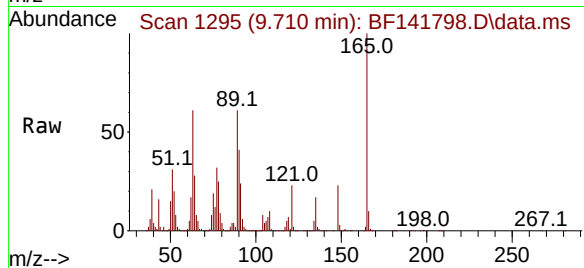




#51
2,6-Dinitrotoluene
Concen: 48.926 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

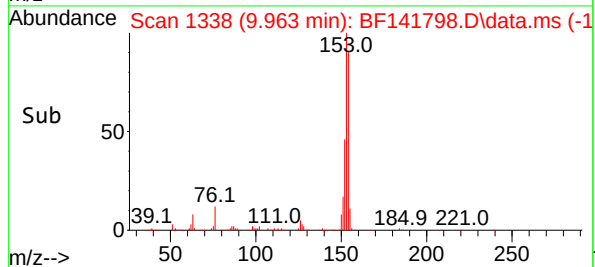
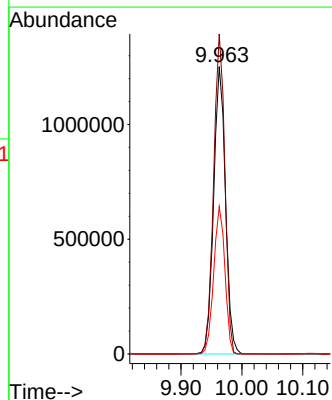
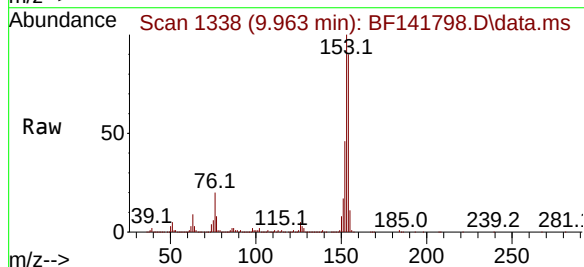
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

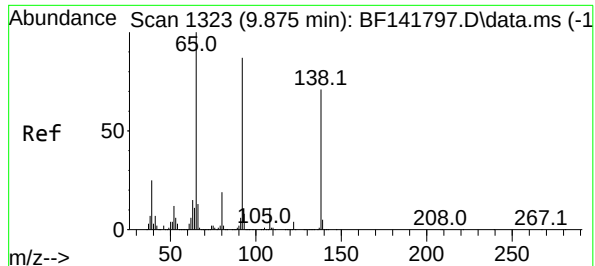
Tgt Ion:165 Resp: 396873
Ion Ratio Lower Upper
165 100
63 61.4 49.5 74.3
89 60.8 49.0 73.4



#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

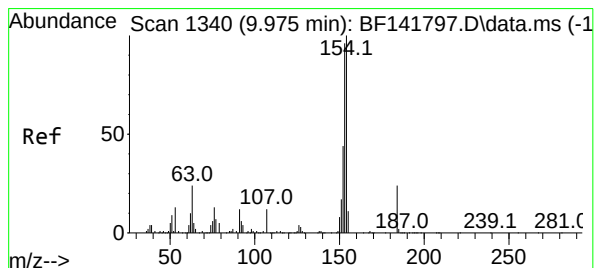
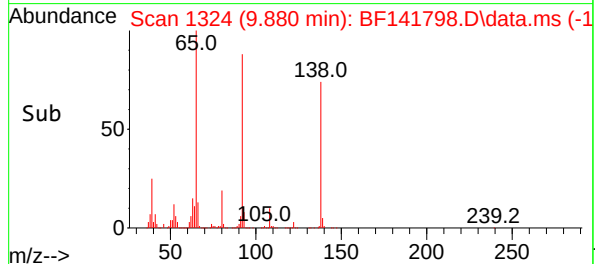
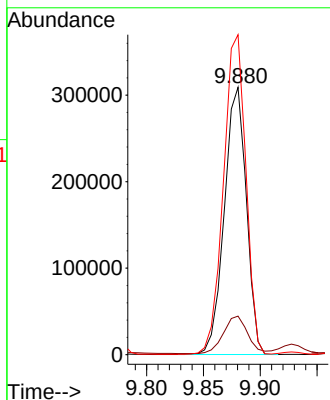
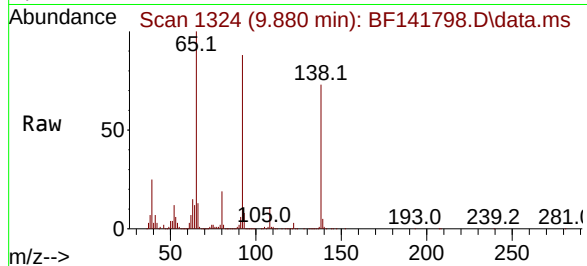




#53
3-Nitroaniline
Concen: 48.300 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

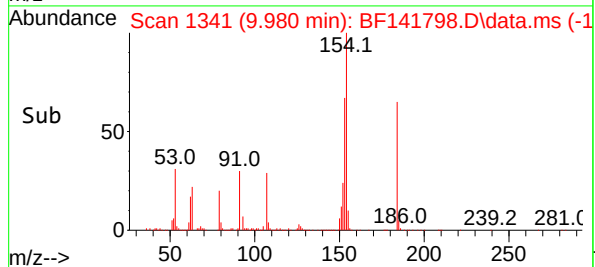
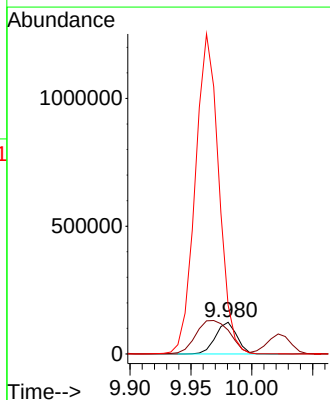
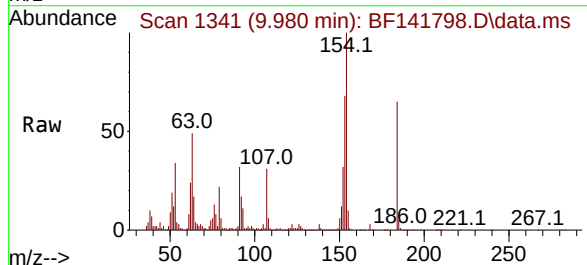
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

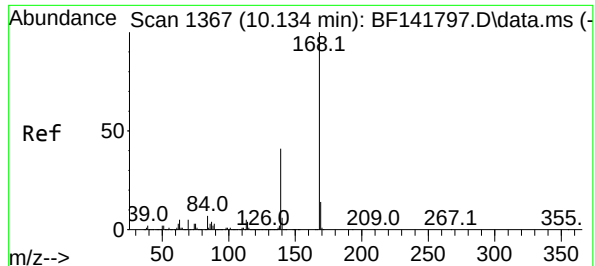
Tgt Ion:138 Resp: 417015
Ion Ratio Lower Upper
138 100
108 14.5 12.7 19.1
92 119.7 97.9 146.9



#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#

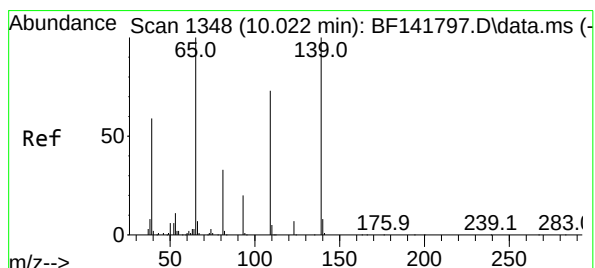
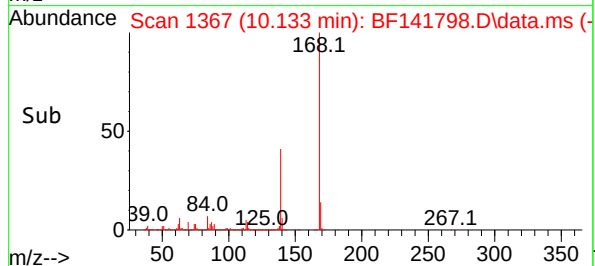
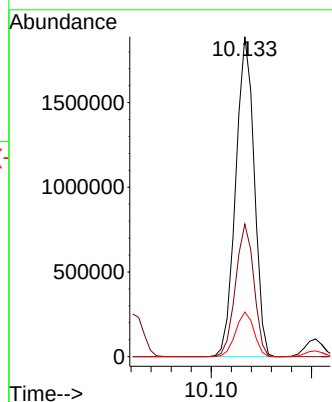
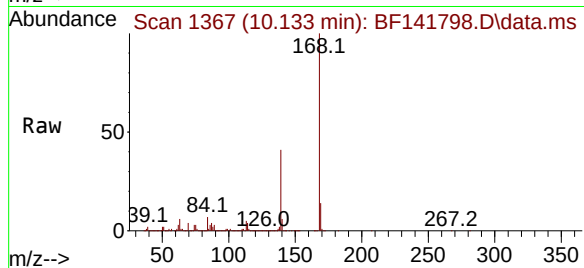




#55
Dibenzenofuran
Concen: 46.312 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

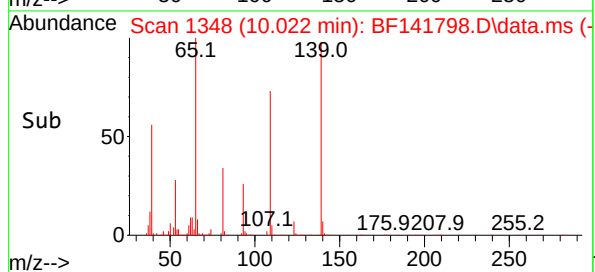
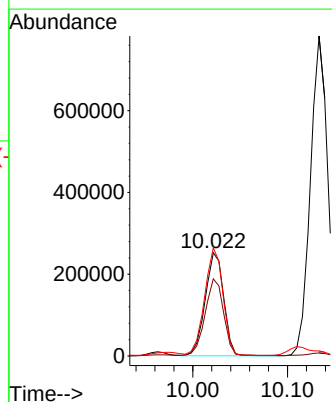
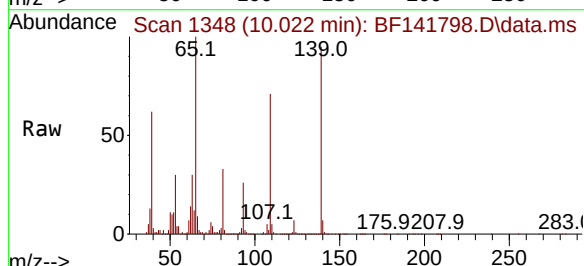
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

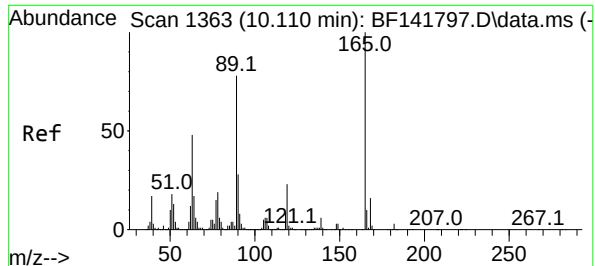
Tgt Ion:168 Resp: 2422882
Ion Ratio Lower Upper
168 100
139 41.4 32.9 49.3
169 14.0 11.1 16.7



#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

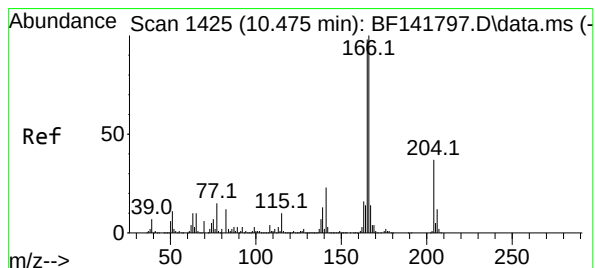
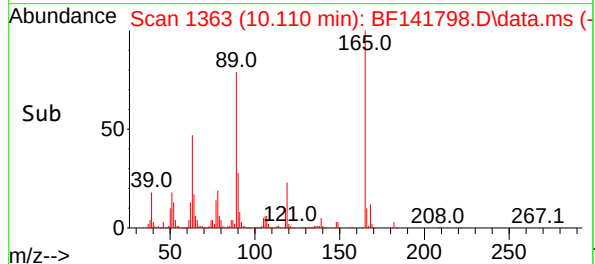
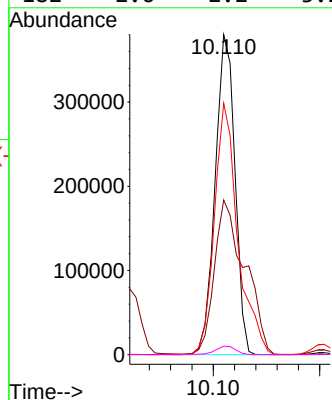
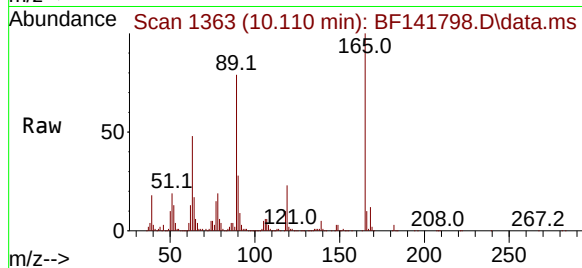




#57
2,4-Dinitrotoluene
Concen: 49.405 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

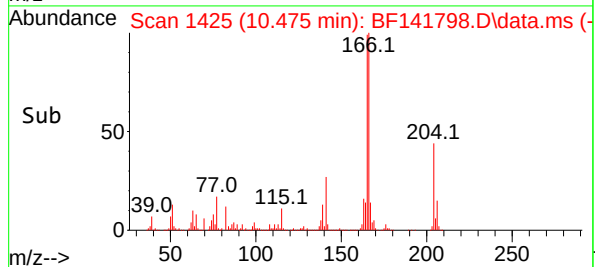
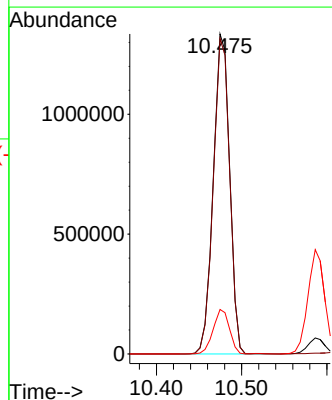
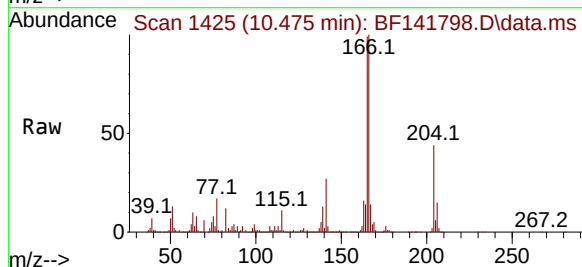
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

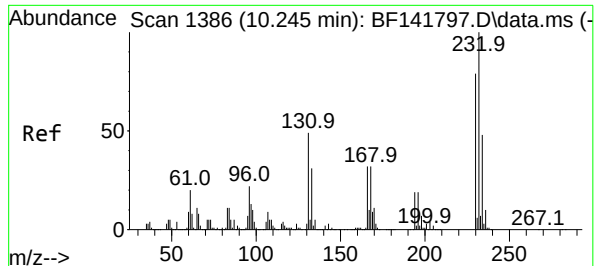
Tgt Ion:165 Resp: 490028
Ion Ratio Lower Upper
165 100
63 48.4 38.8 58.2
89 78.6 62.6 94.0
182 2.6 2.2 3.2



#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

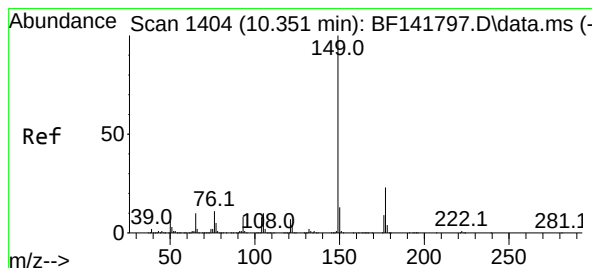
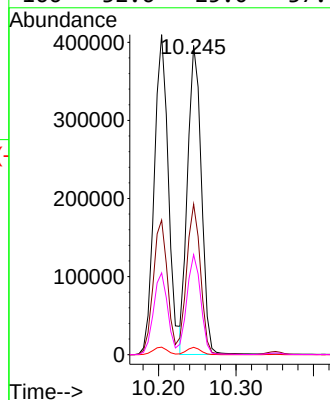
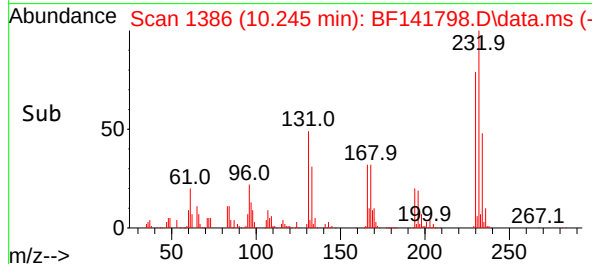
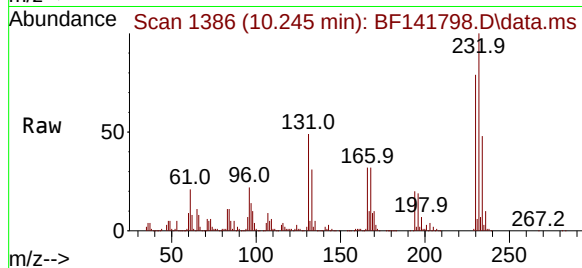




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.140 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

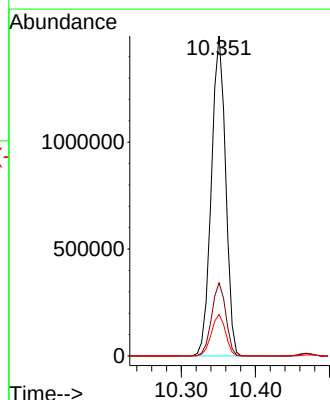
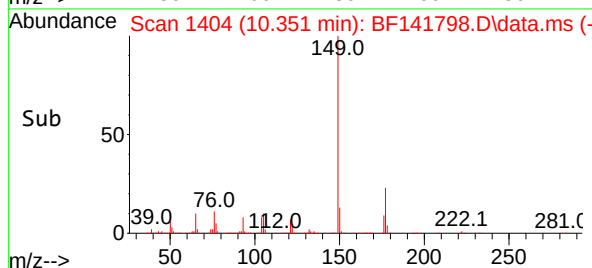
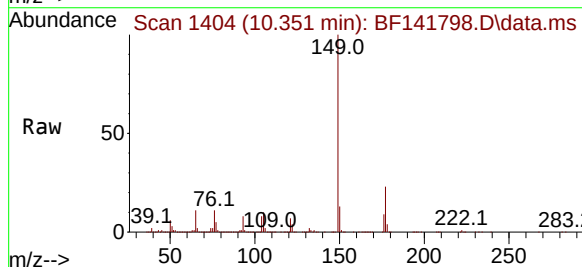
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

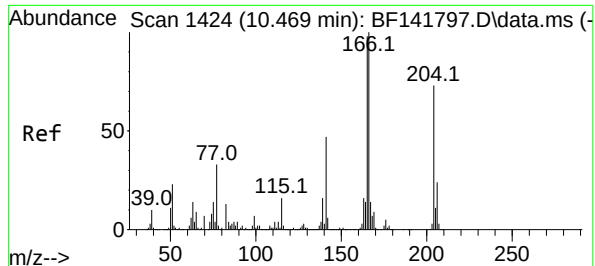
Tgt Ion:232 Resp: 489160
Ion Ratio Lower Upper
232 100
131 49.4 37.8 56.8
130 2.4 2.0 3.0
166 32.6 25.0 37.4



#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

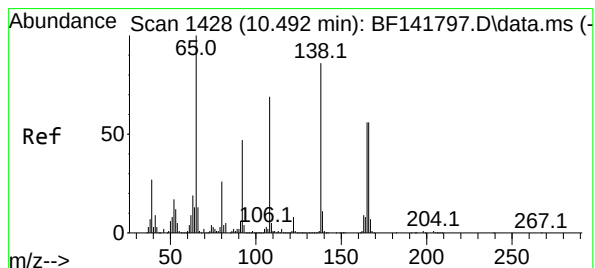
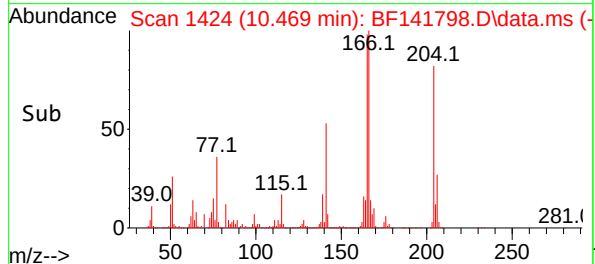
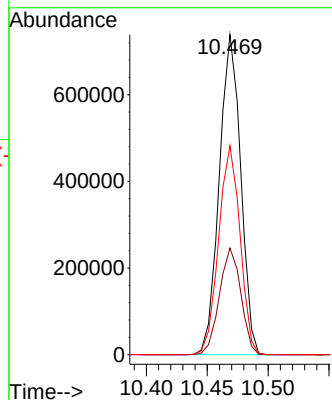
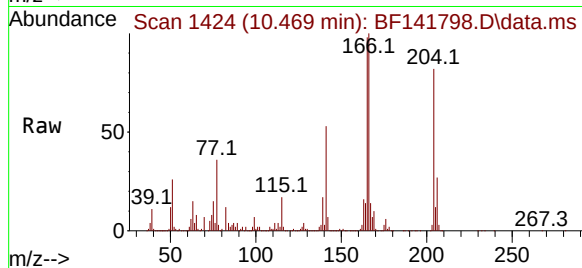




#61
4-Chlorophenyl-phenylether
Concen: 46.084 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

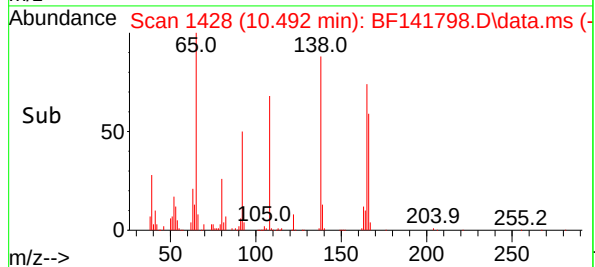
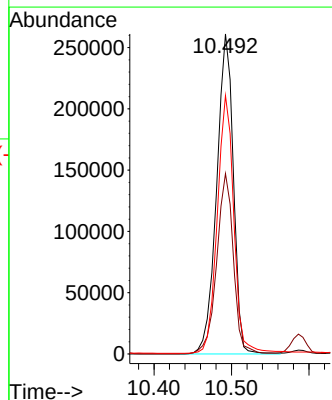
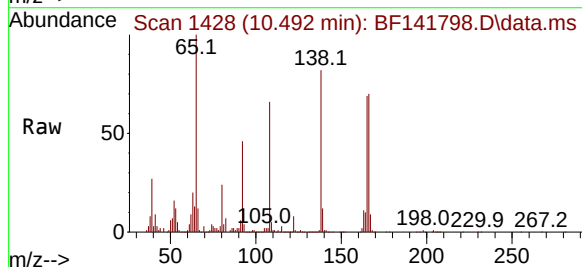
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

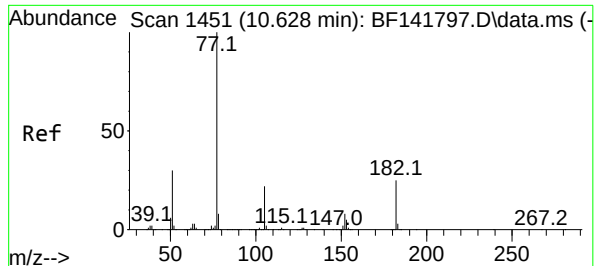
Tgt Ion:204 Resp: 904835
Ion Ratio Lower Upper
204 100
206 33.4 26.2 39.4
141 65.3 51.7 77.5



#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

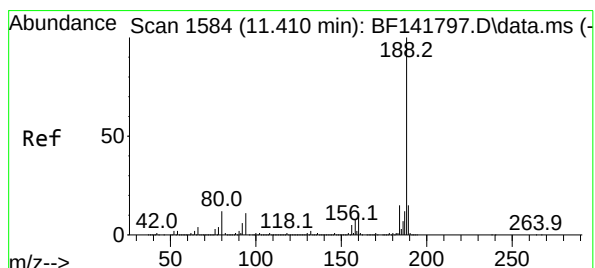
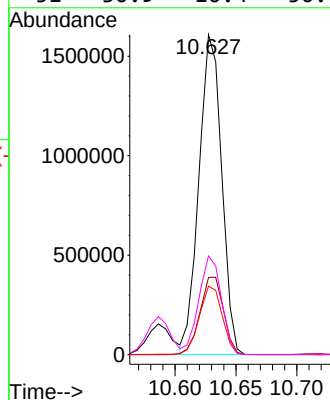
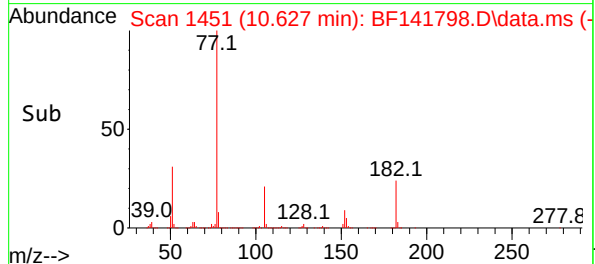
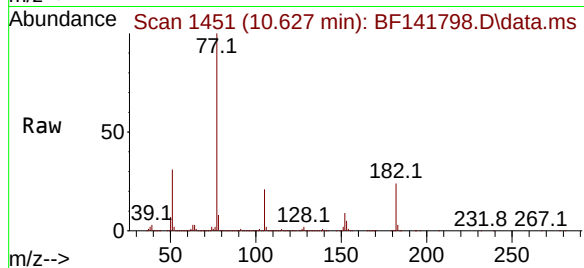




#63
Azobenzene
Concen: 46.687 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

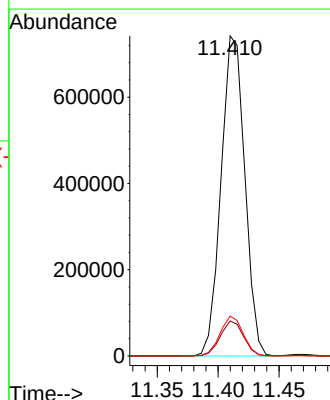
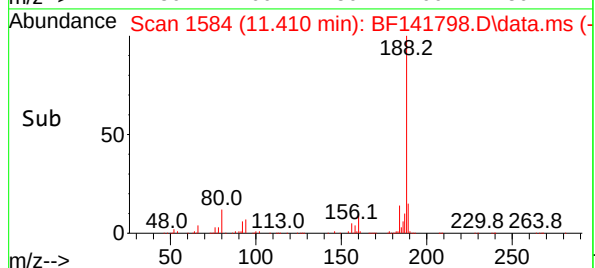
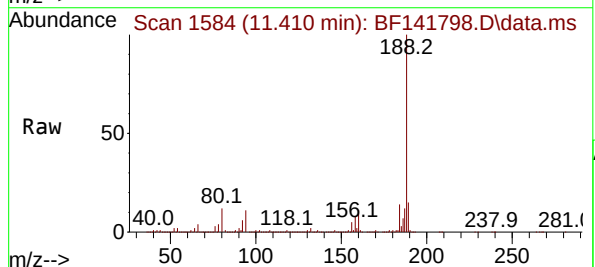
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

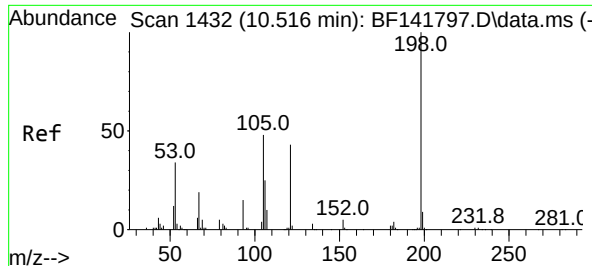
Tgt Ion: 77 Resp: 2087153
Ion Ratio Lower Upper
77 100
182 24.2 4.2 44.2
105 21.4 1.5 41.5
51 30.9 10.4 50.4



#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

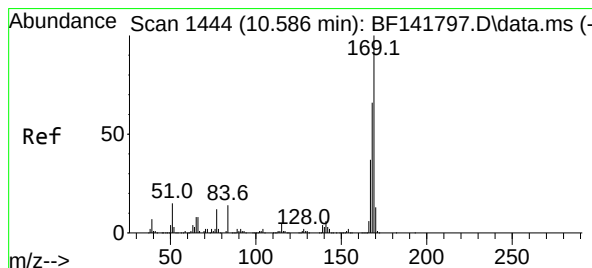
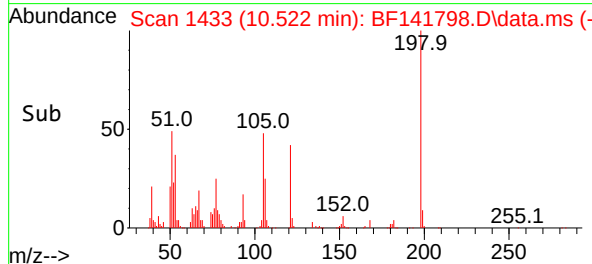
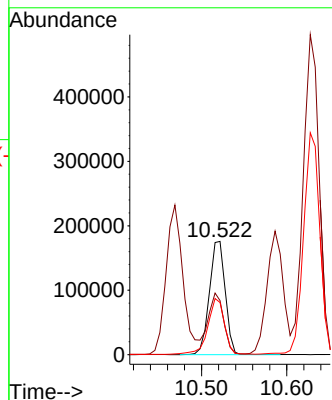
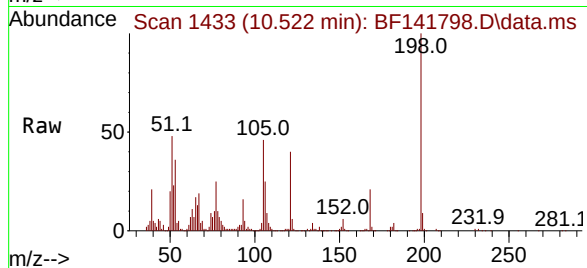




#65
4,6-Dinitro-2-methylphenol
Concen: 47.968 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

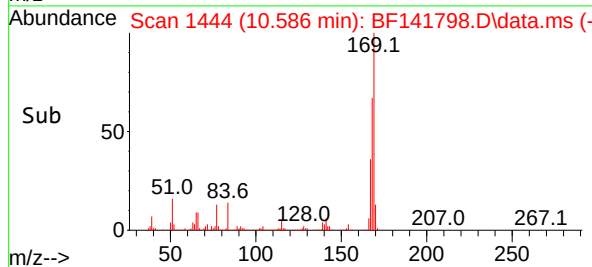
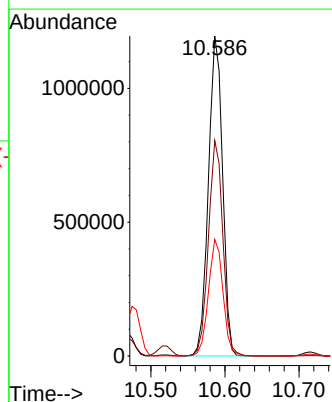
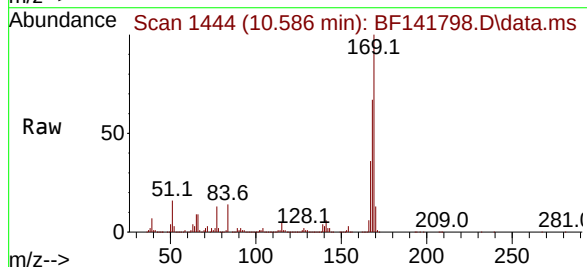
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

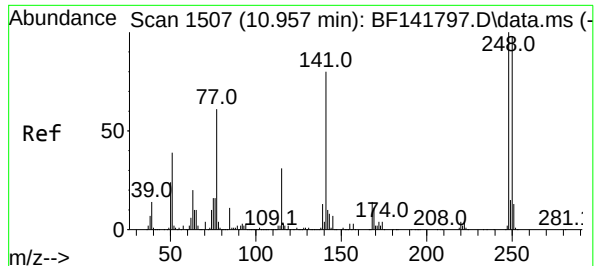
Tgt Ion:198 Resp: 227493
Ion Ratio Lower Upper
198 100
51 47.7 32.1 72.1
105 46.1 28.5 68.5



#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

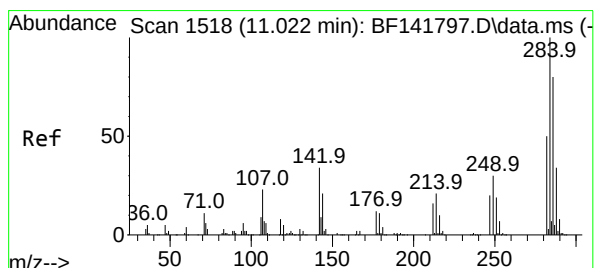
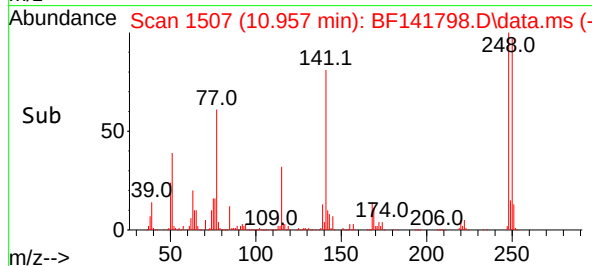
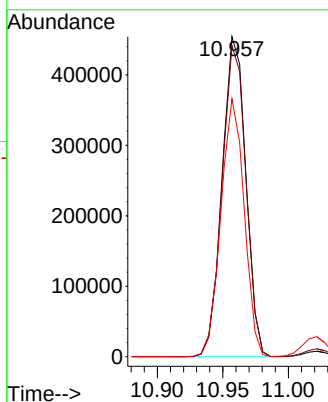
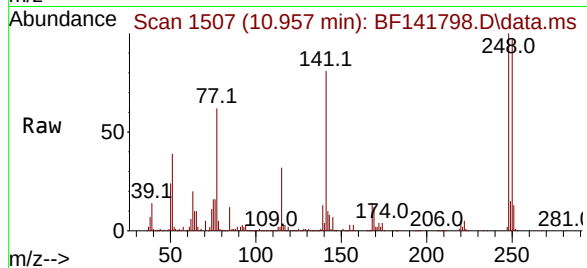




#67
4-Bromophenyl-phenylether
Concen: 48.631 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

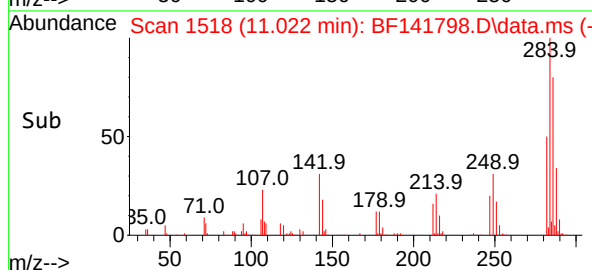
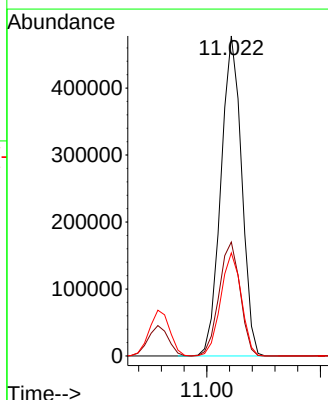
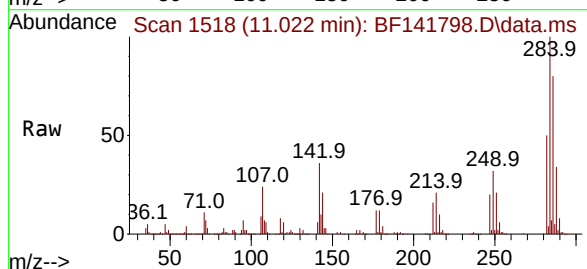
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

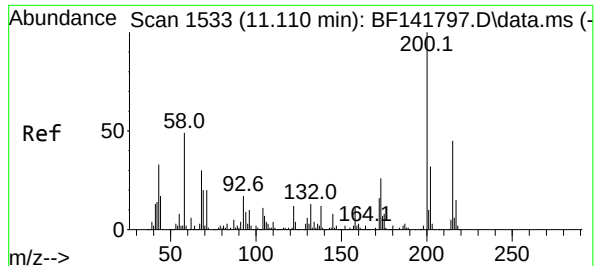
Tgt Ion:248 Resp: 572161
Ion Ratio Lower Upper
248 100
250 97.2 78.1 117.1
141 80.6 64.3 96.5



#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

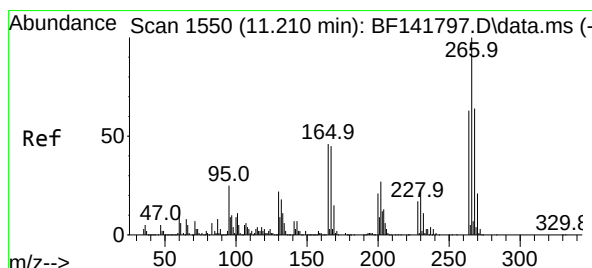
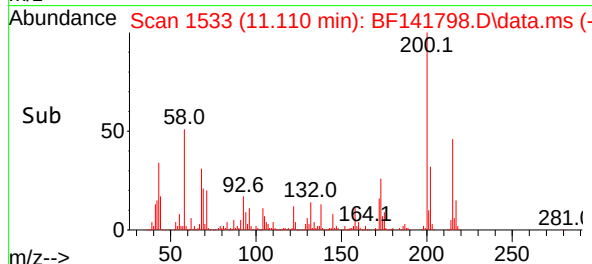
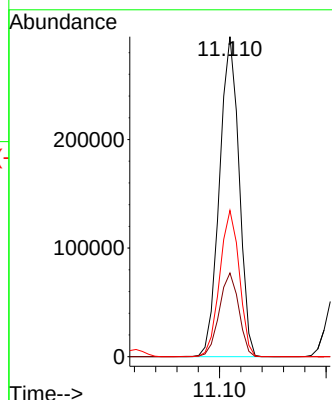
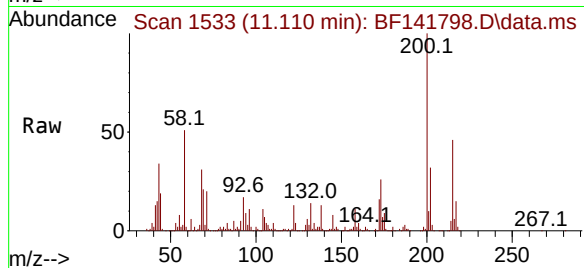
Tgt Ion:200 Resp: 374540

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

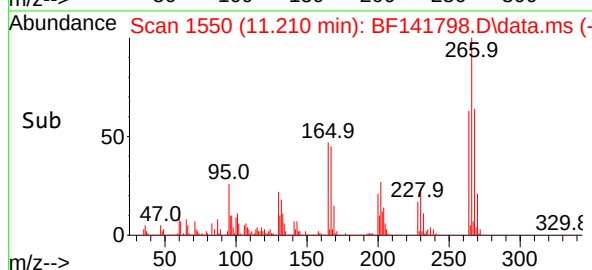
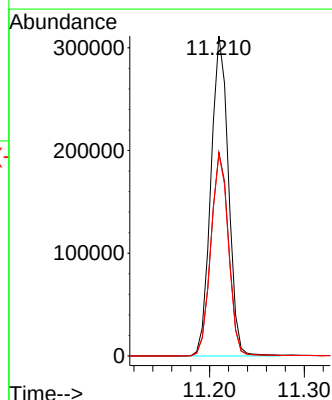
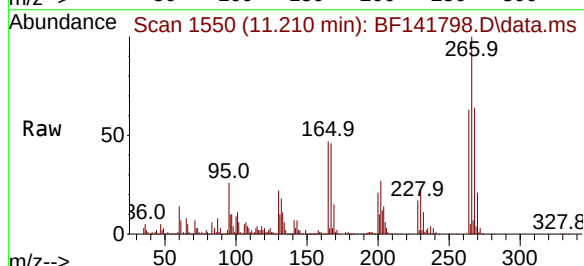
Tgt Ion:266 Resp: 400352

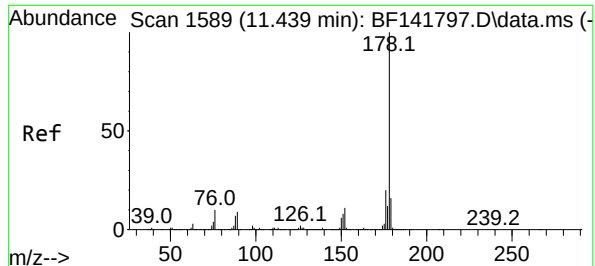
Ion Ratio Lower Upper

266 100

268 63.6 50.9 76.3

264 63.2 50.2 75.4

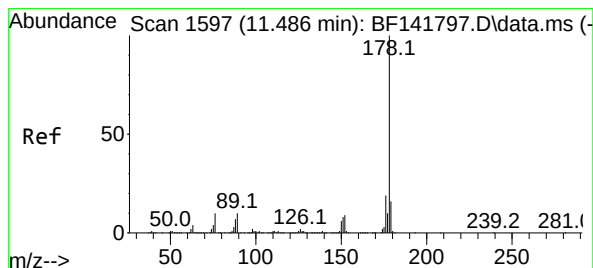
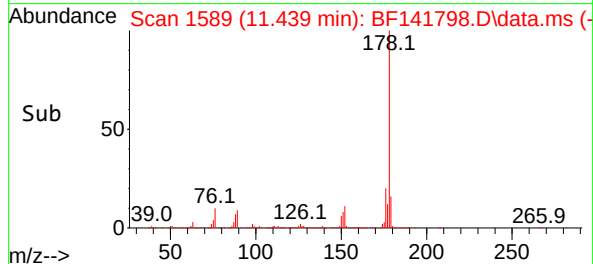
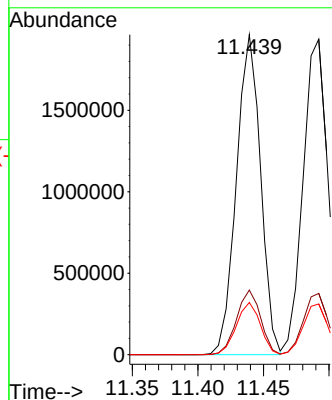
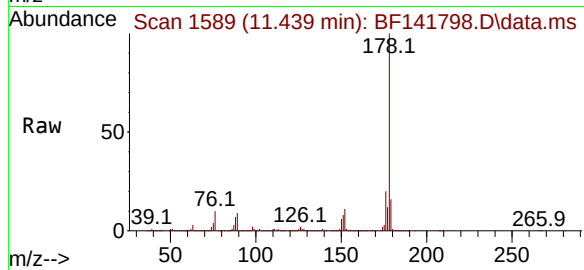




#71
Phenanthrene
Concen: 46.806 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

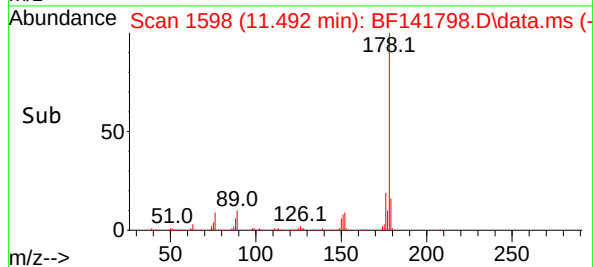
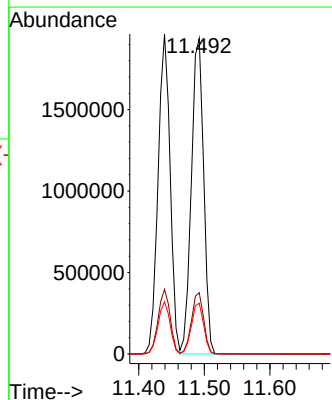
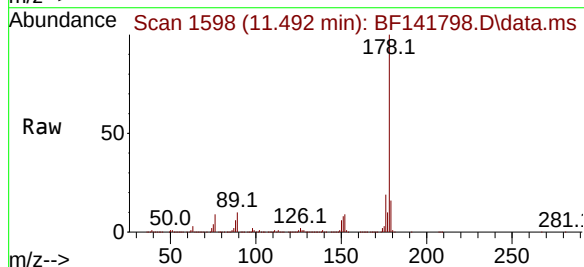
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

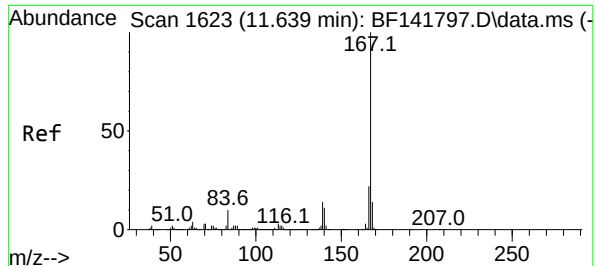
Tgt Ion:178 Resp: 2521849
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.3 12.6 19.0



#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

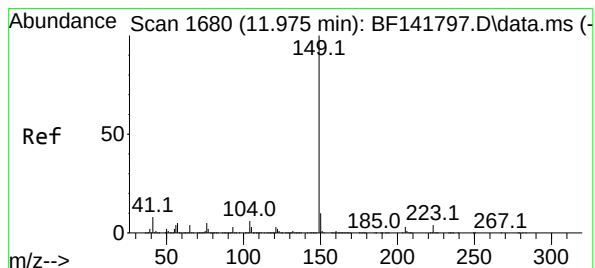
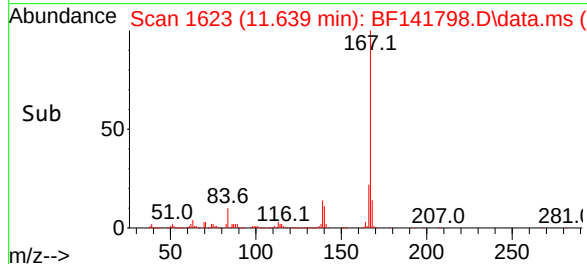
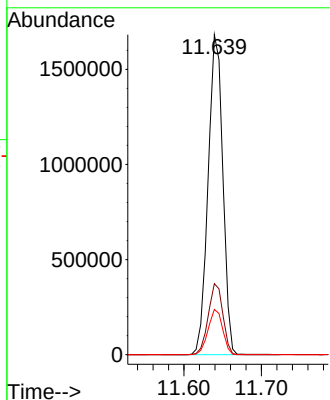
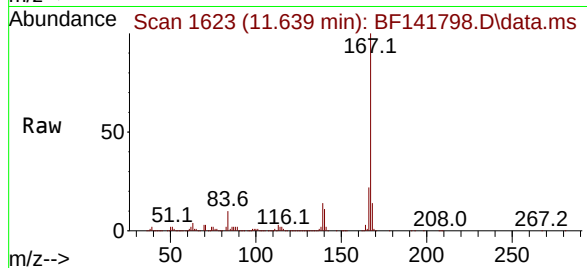




#73
Carbazole
Concen: 46.572 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

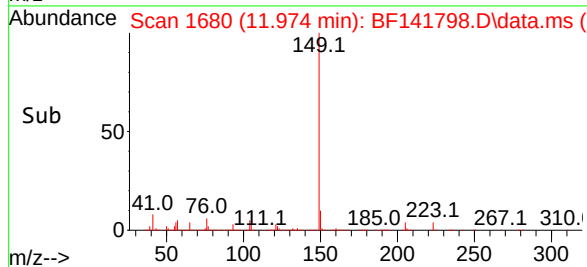
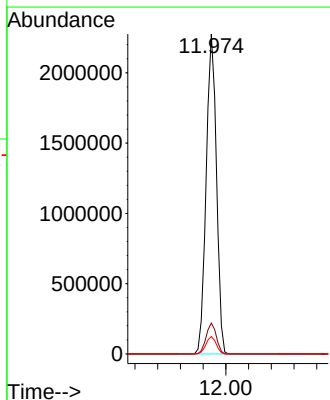
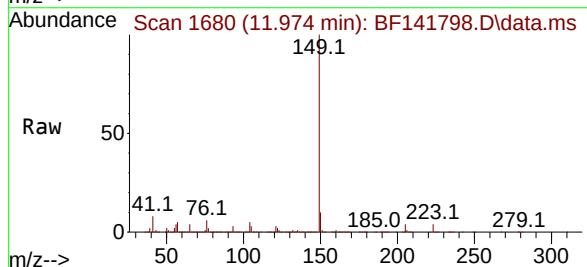
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

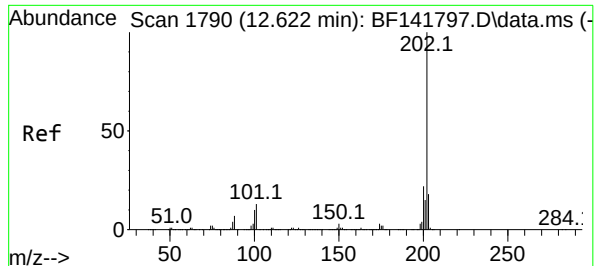
Tgt Ion:167 Resp: 2220778
Ion Ratio Lower Upper
167 100
166 22.2 17.5 26.3
139 14.2 11.3 16.9



#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

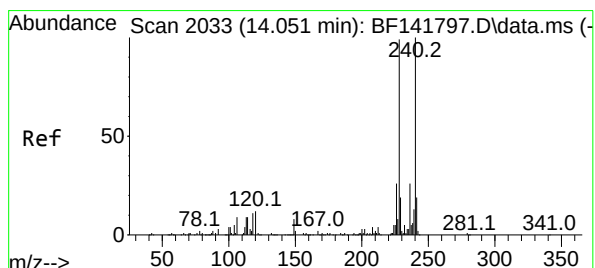
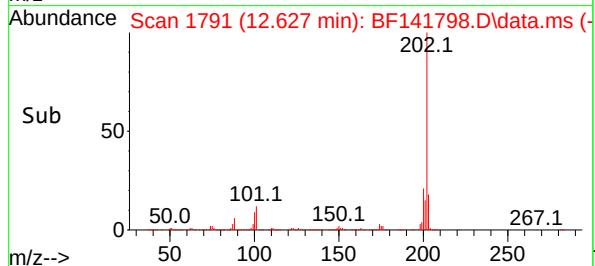
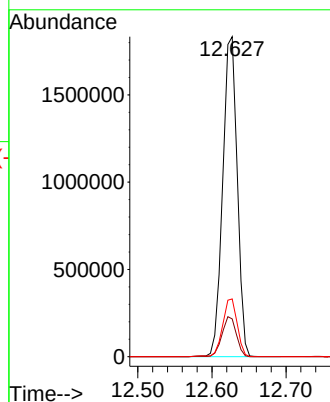
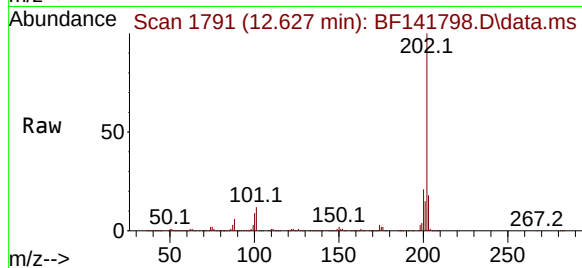




#75
Fluoranthene
Concen: 45.269 ng
RT: 12.627 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

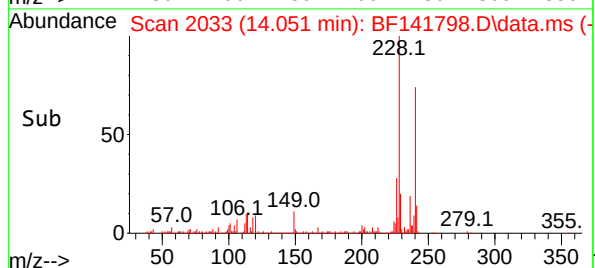
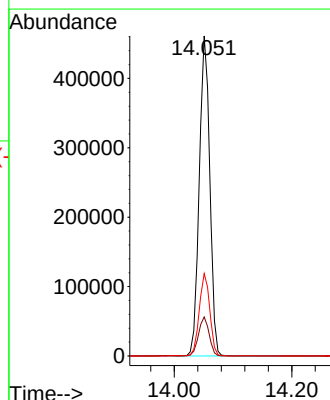
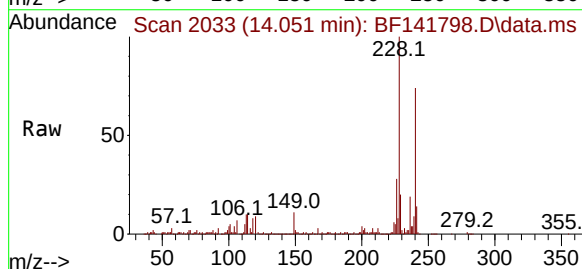
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

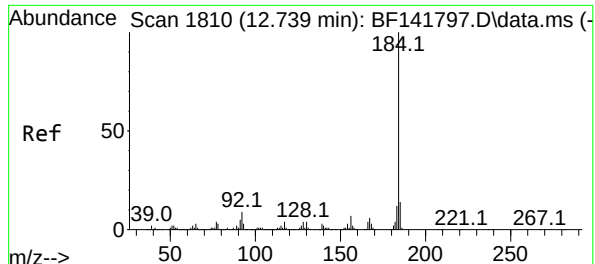
Tgt Ion:202 Resp: 2499217
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.8
203 18.0 0.0 38.0



#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

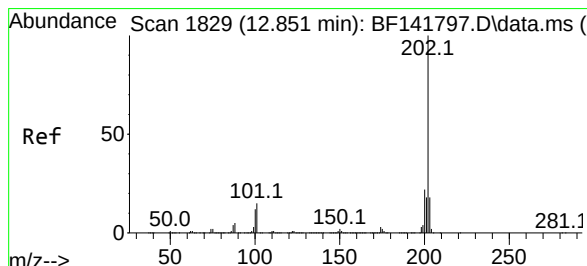
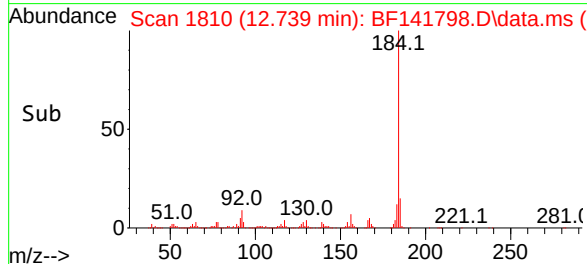
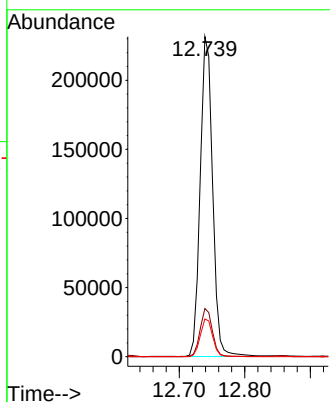
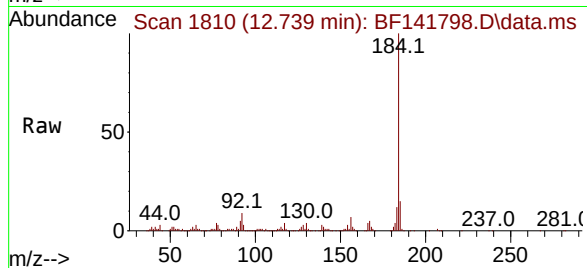




#77
Benzidine
Concen: 42.453 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

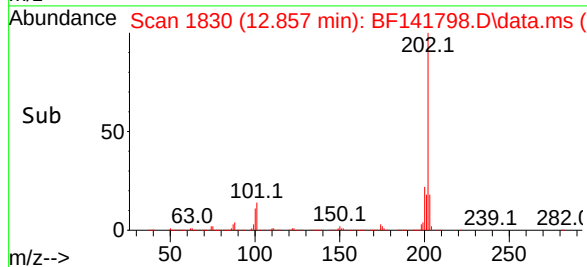
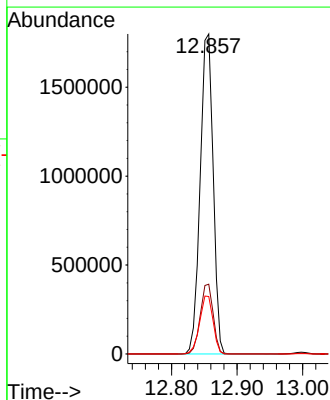
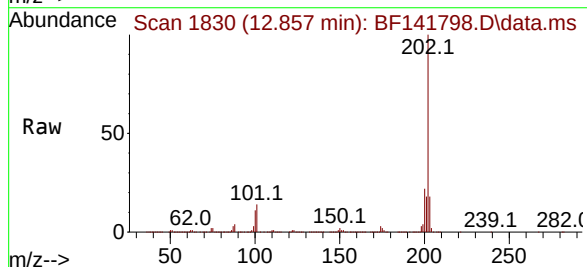
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

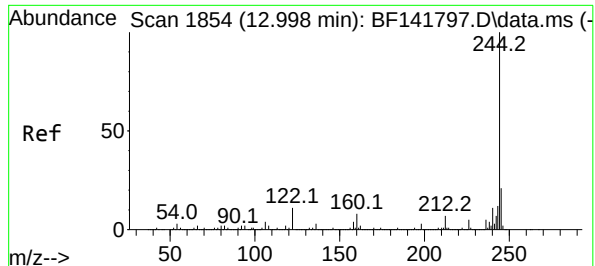
Tgt Ion:184 Resp: 305582
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 11.8 9.4 14.0



#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

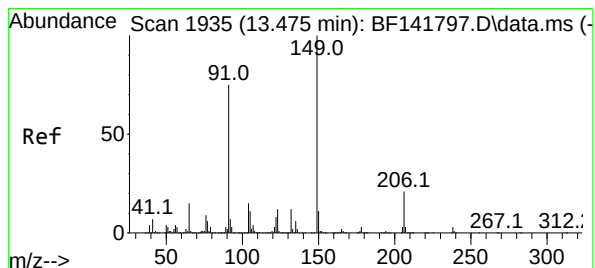
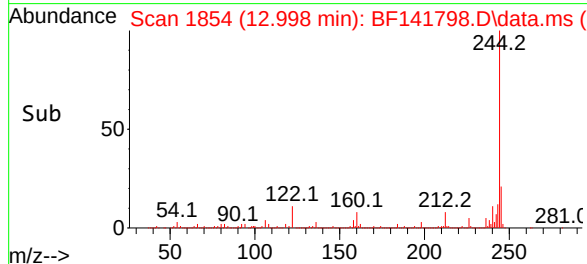
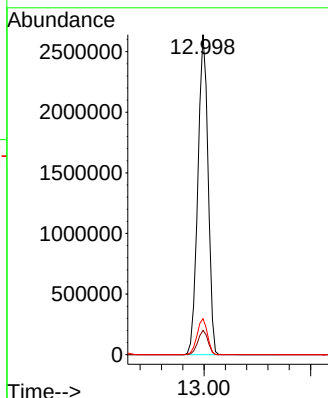
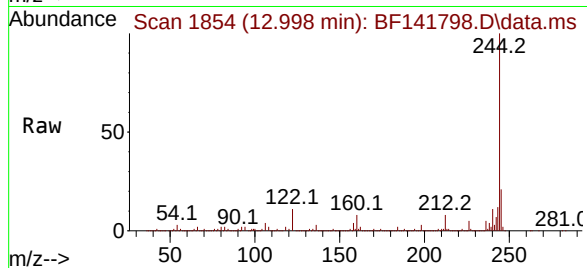




#79
Terphenyl-d14
Concen: 99.483 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

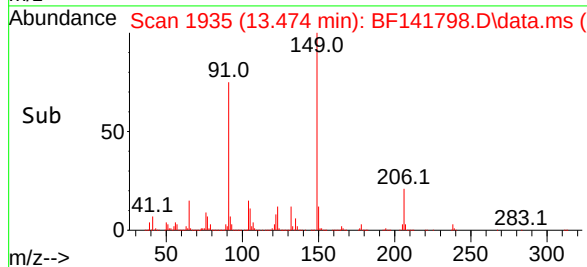
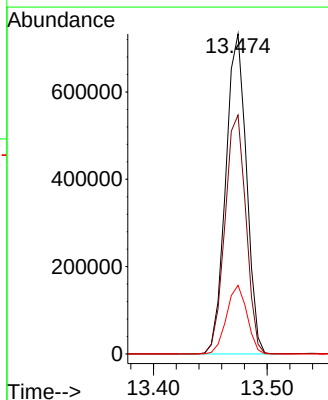
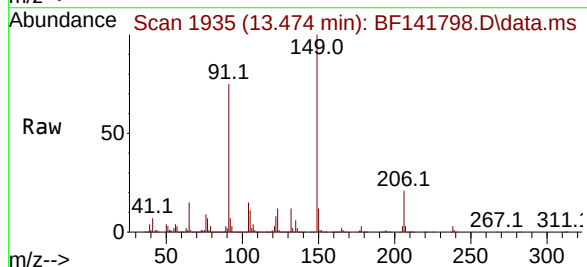
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

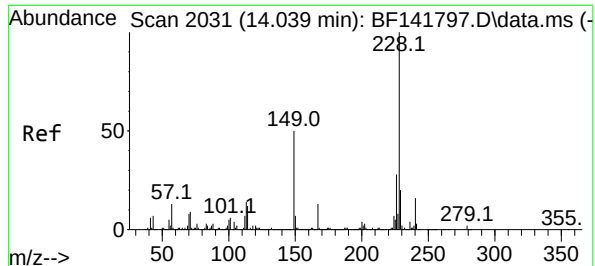
Tgt Ion:244 Resp: 3516535
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 11.3 9.0 13.6



#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

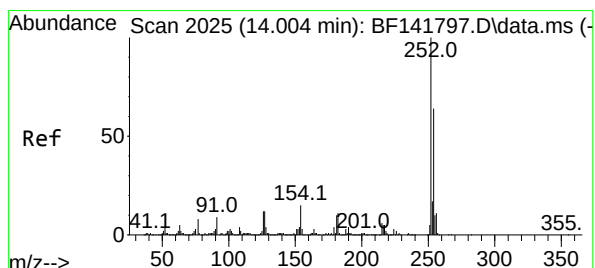
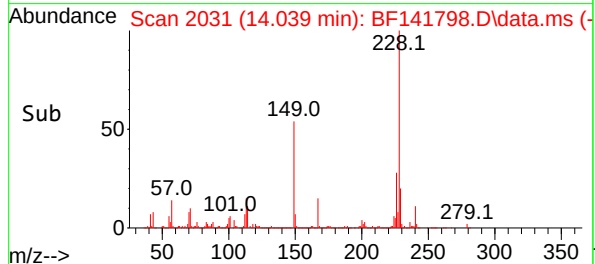
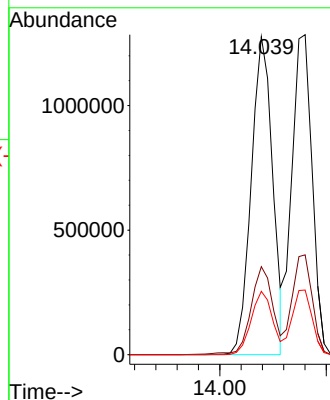
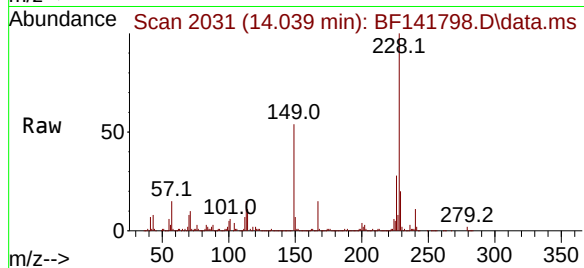
Tgt Ion:228 Resp: 1777948

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

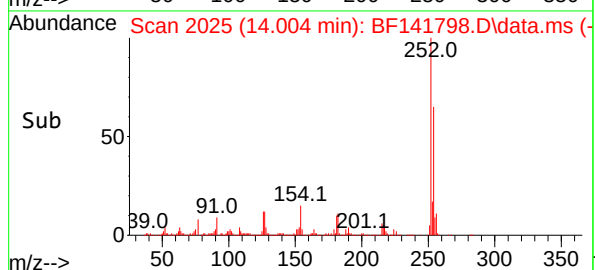
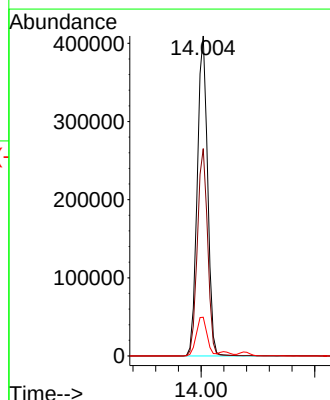
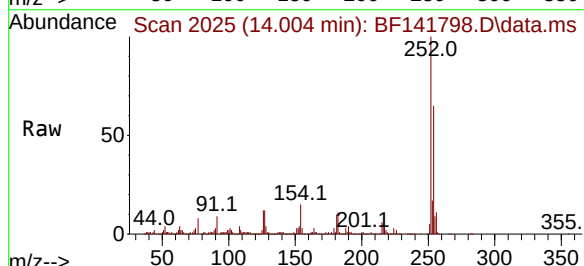
Tgt Ion:252 Resp: 520451

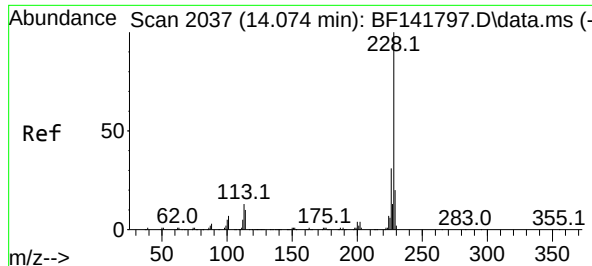
Ion Ratio Lower Upper

252 100

254 64.8 51.4 77.0

126 12.1 9.8 14.6

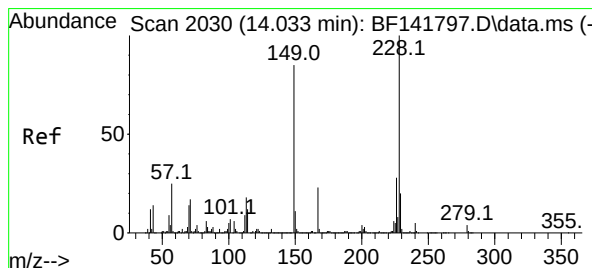
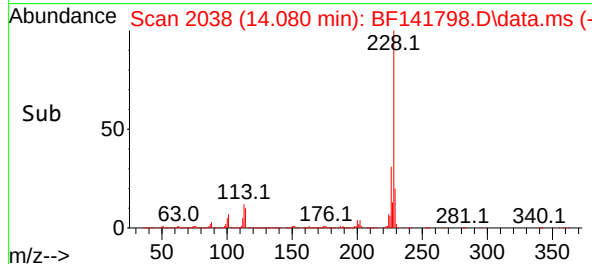
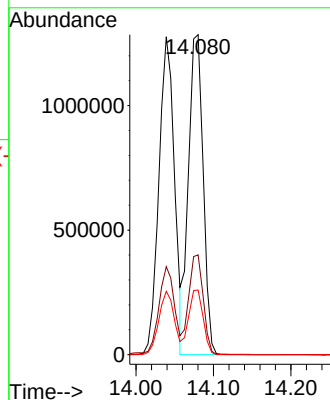
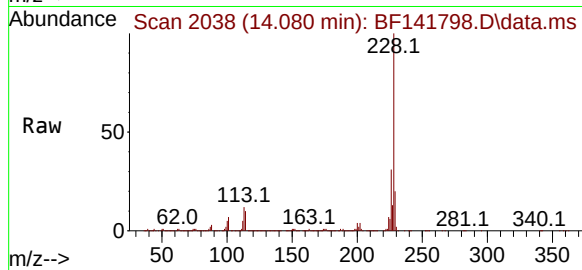




#83
Chrysene
Concen: 48.659 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

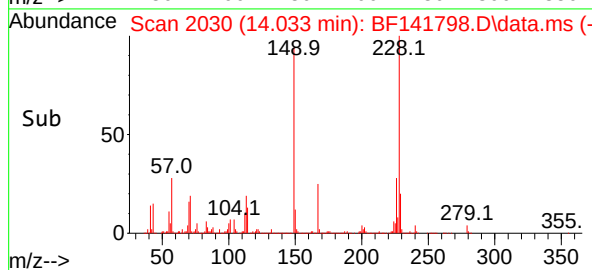
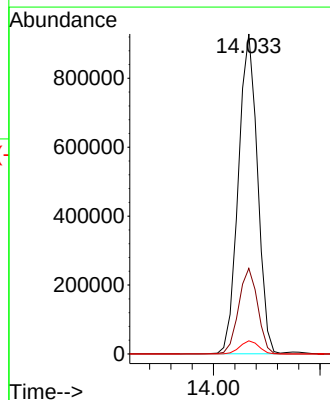
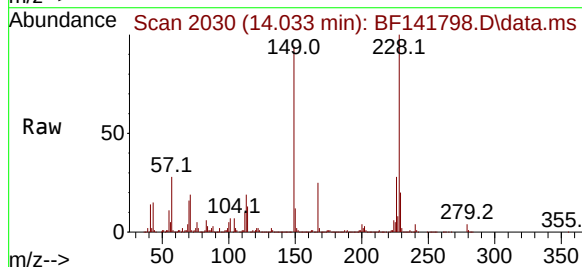
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

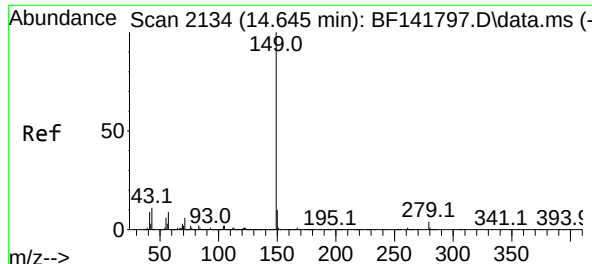
Tgt Ion:228 Resp: 1694396
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 20.2 16.1 24.1



#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

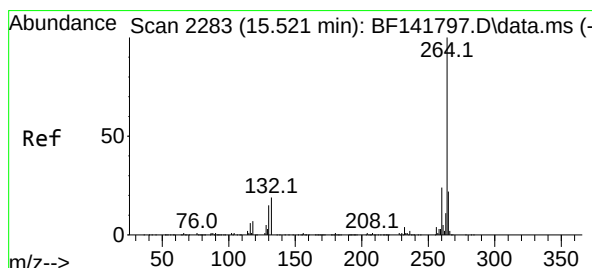
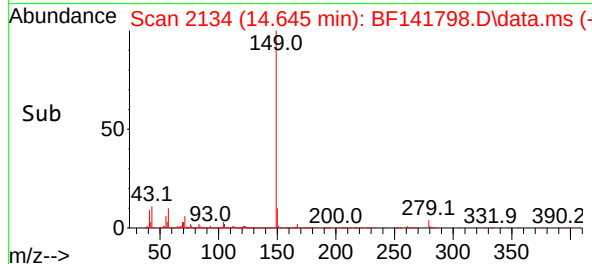
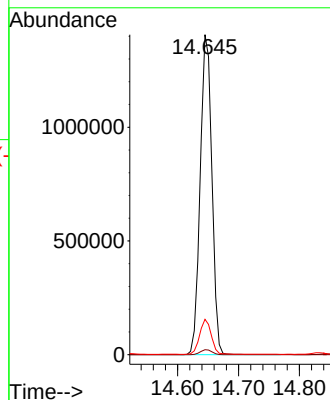
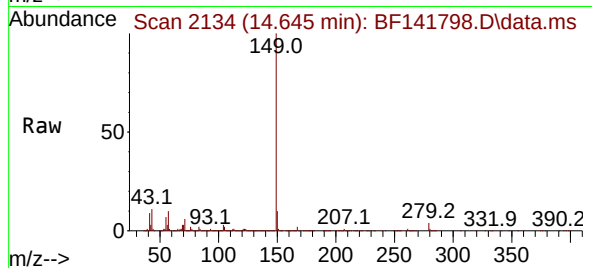




#85
Di-n-octyl phthalate
Concen: 55.606 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

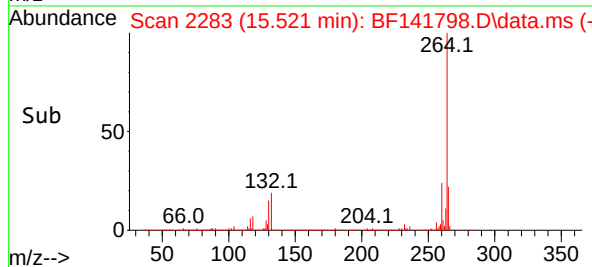
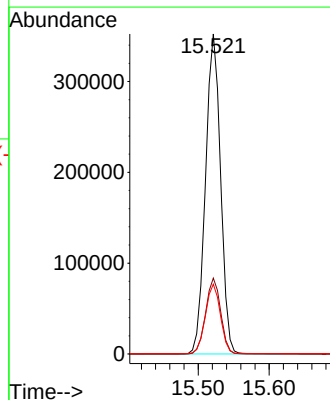
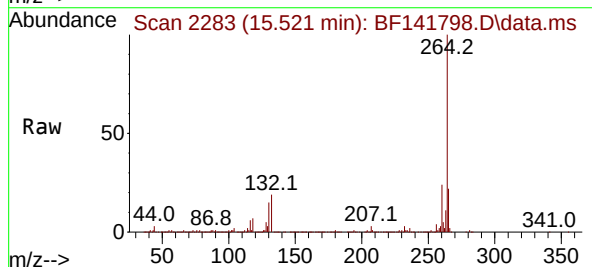
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

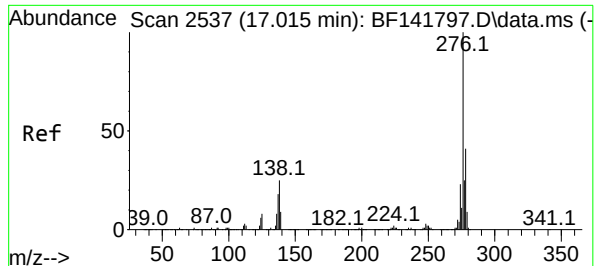
Tgt Ion:149 Resp: 1865081
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.8 8.6 12.8



#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

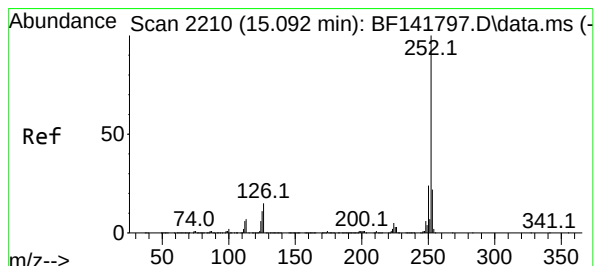
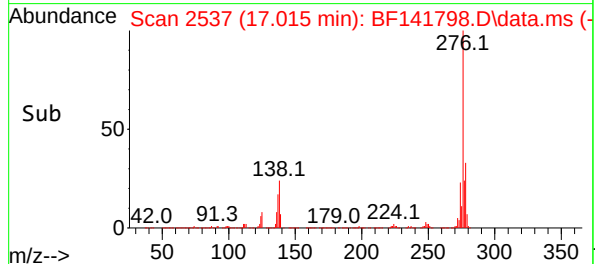
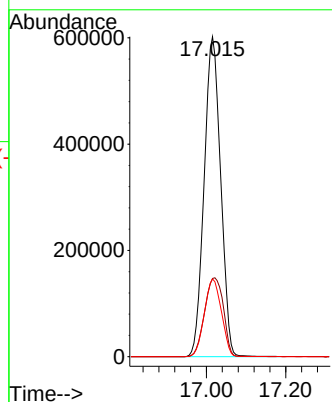
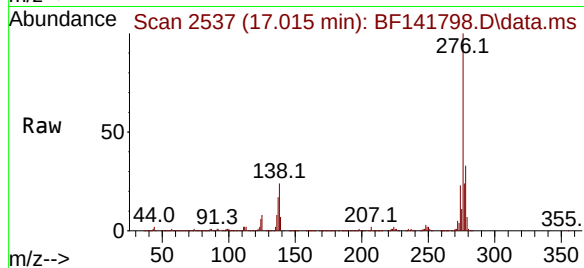




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.510 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

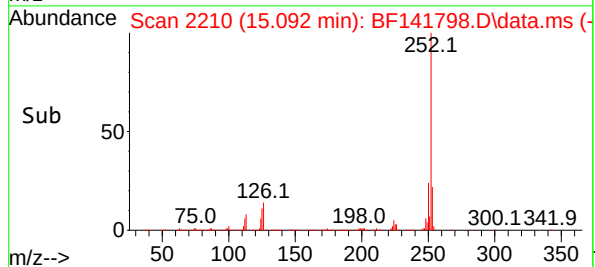
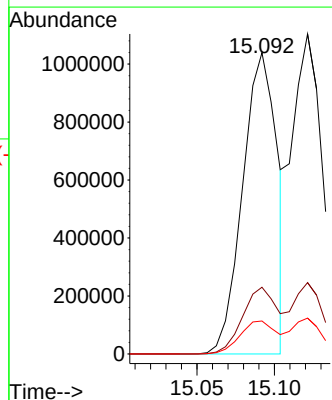
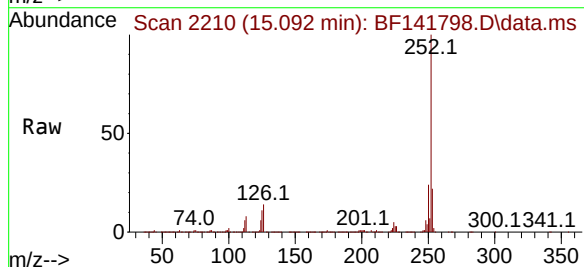
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

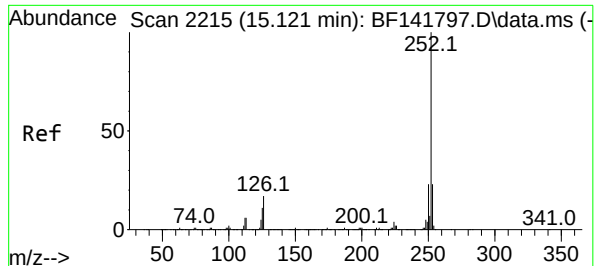
Tgt Ion:276 Resp: 1740850
Ion Ratio Lower Upper
276 100
138 28.1 22.5 33.7
277 25.1 20.3 30.5



#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

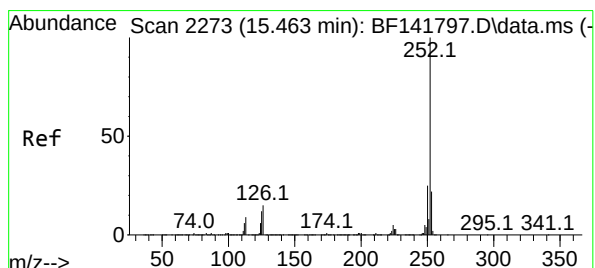
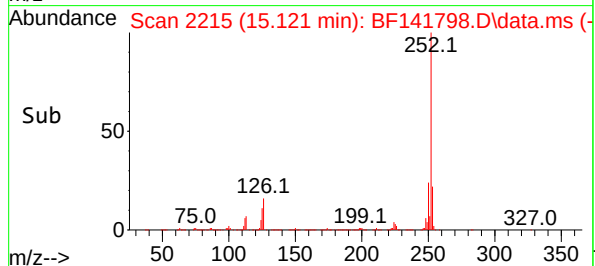
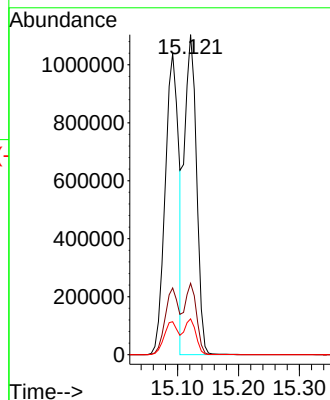
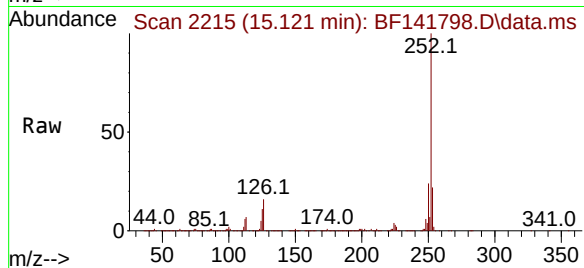
Tgt Ion:252 Resp: 1516995

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

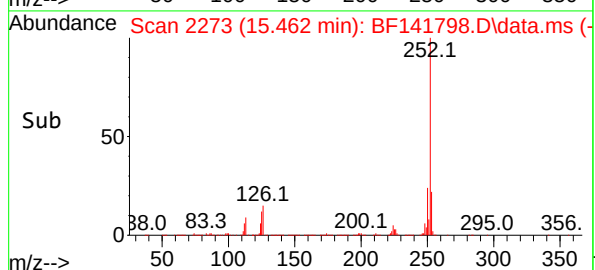
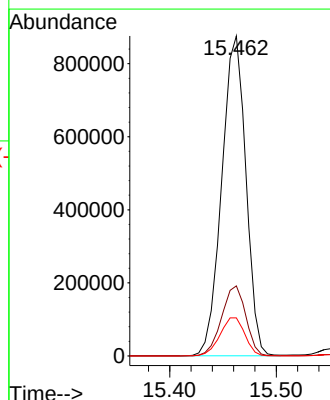
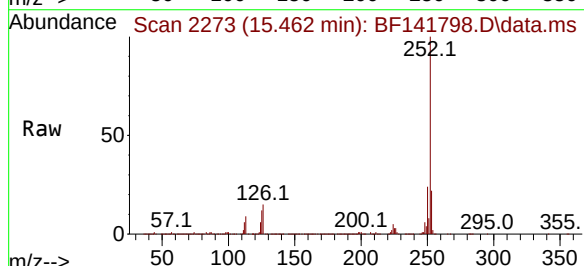
Tgt Ion:252 Resp: 1379319

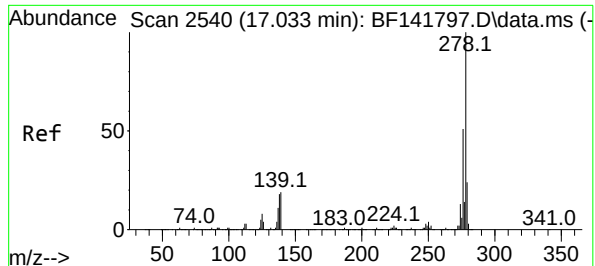
Ion Ratio Lower Upper

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

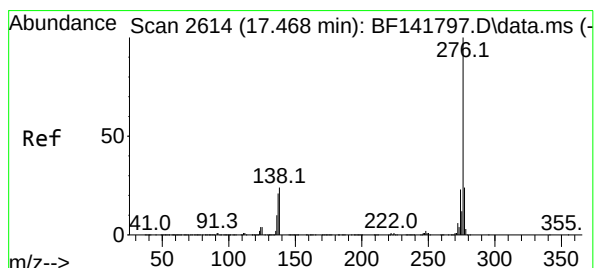
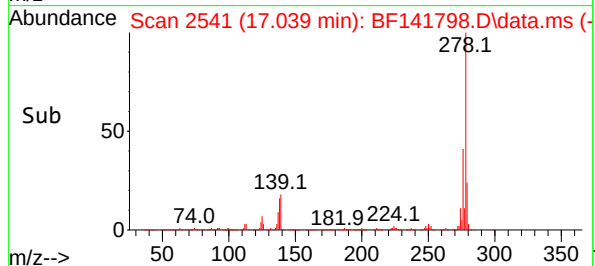
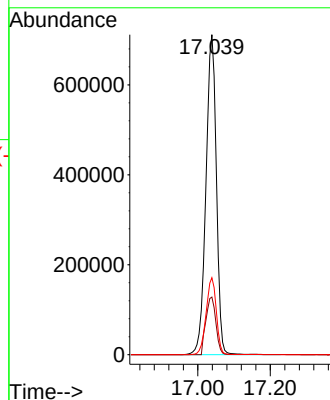
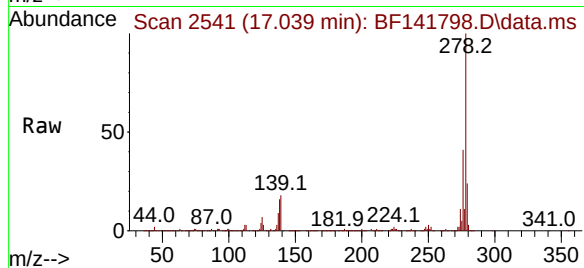
Tgt Ion:278 Resp: 1423862

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

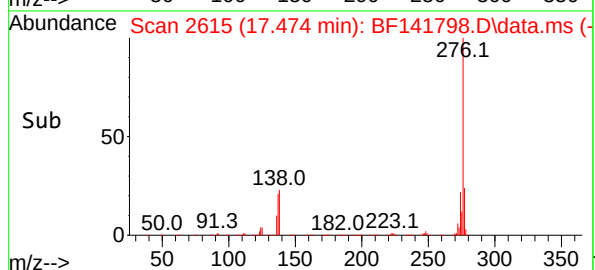
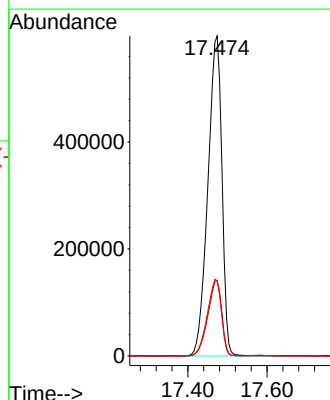
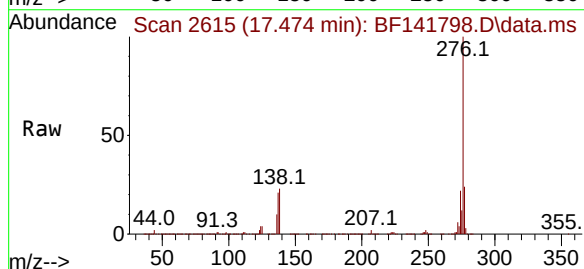
Tgt Ion:276 Resp: 1469480

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

TIC: BF141799.D\data.ms

Abundance

Time-->

1,4-Dioxane

Nitrosodimethylamine,

2-Fluorophenol,S

Phenol-G

Bis(2-Chloroethyl)ether

Aniline

Benzaldehyde

1,4-Dichlorobenzene

2,2'-oxybis[1-methylenephthalene]

2,2'-oxybis[1-methylenephthalene]-P

Hexachlorocyclopentadiene

Nitrobenzene-d5,S

Acetophenone

2-Nitrophenol,Q

2-Sulfophenol,Q

Benzoic acid

Naphthalene

2,4-Dichlorobenzene

Hexachlorobutadiene,C

Caprolactam

4-Chloro-3-methylphenol,C

2,4,5-Trichlorobenzoic acid

2-Nitroaniline

2,6-Dinitrotoluene

Dimethylphthalate

Acetanilide

4-Acetylaminophenol

2,3,4-Trichlorophenol

Dibenzofuran

4,6-Dinitrophenol

2,4-Dinitrophenyl ether

Atrazine

4-Bromobiphenyl

Pentachlorophenol,C

Phenanthrene-d10

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Butylbenzylphthalate

3,3'-Dichlorobenzidine,d12,C

m-Cresene

Di-n-octyl phthalate,c

Benzo(a)pyrene,h

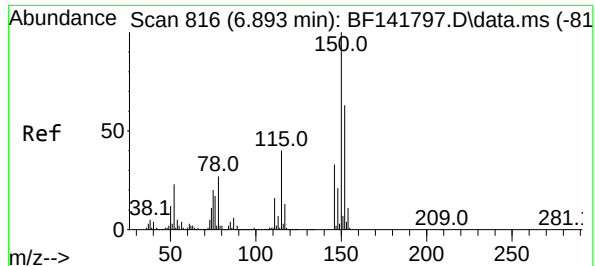
Benzo(k)fluoranthene

Benzo(a)pyrene,C

Perylene-d12,i

Indeno(1,2,3-cd)pyrene

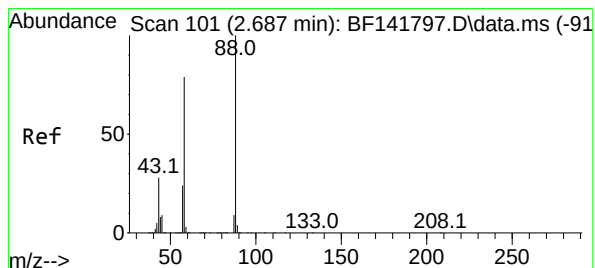
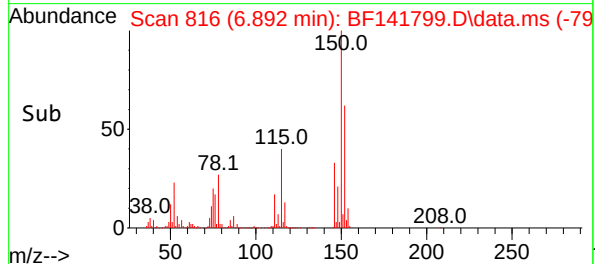
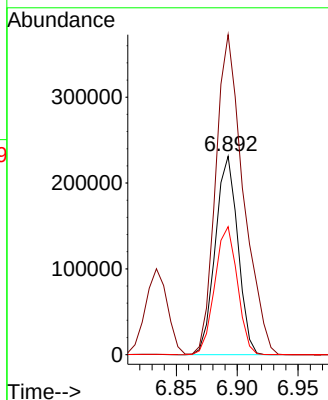
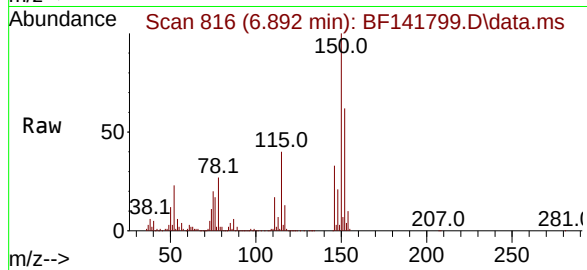
Benzo(g,h,i)perylene



#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

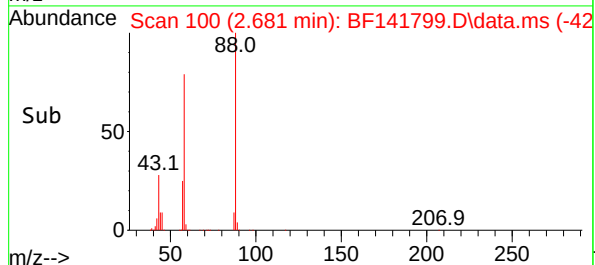
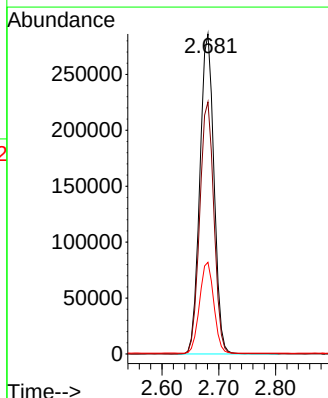
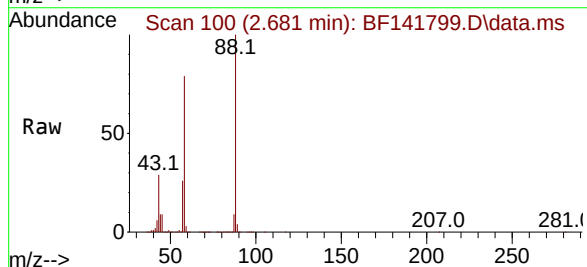
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

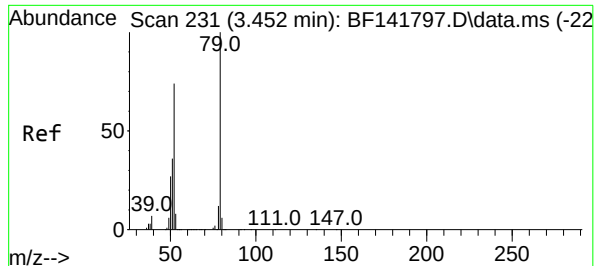
Tgt Ion:152 Resp: 297770
Ion Ratio Lower Upper
152 100
150 161.3 127.5 191.3
115 64.5 51.4 77.2



#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 :

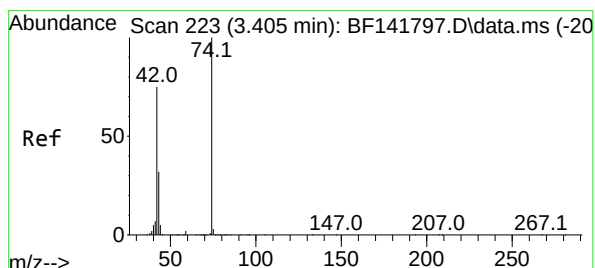
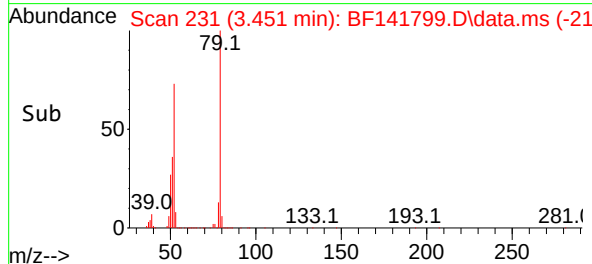
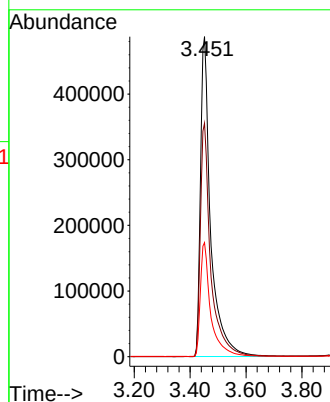
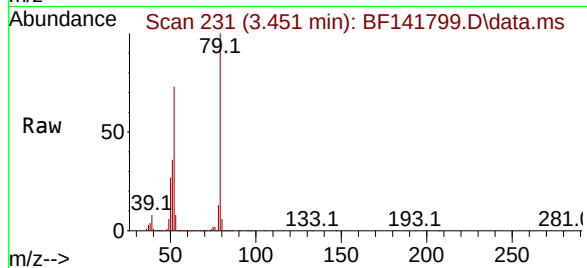
BNA_F

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

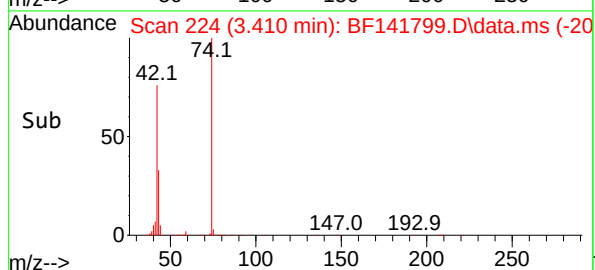
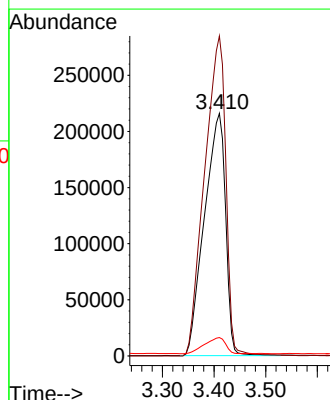
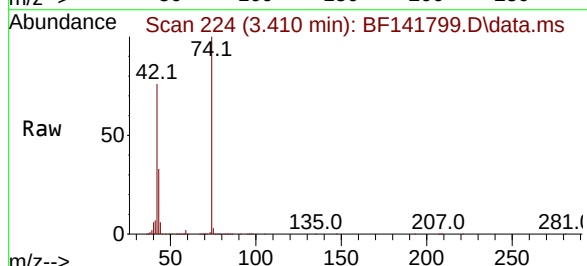
Delta R.T. 0.006 min

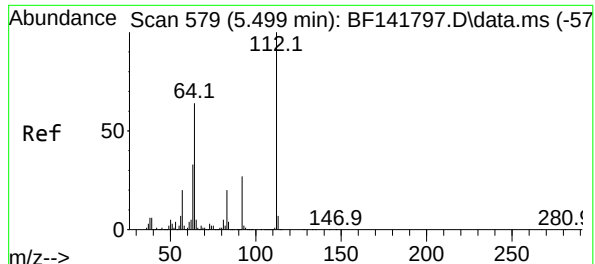
Lab File: BF141799.D

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

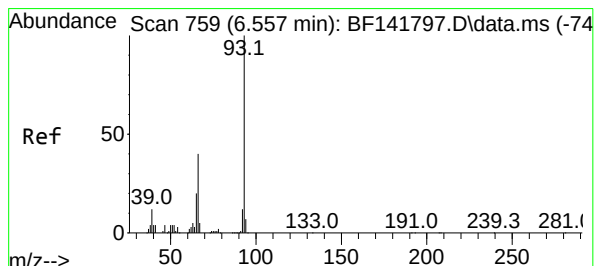
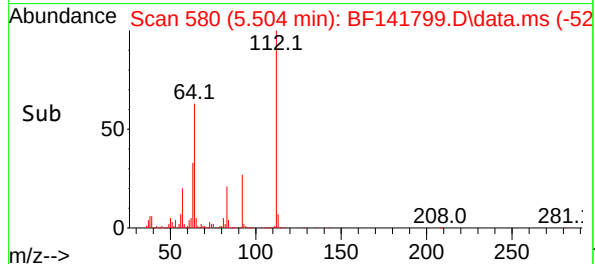
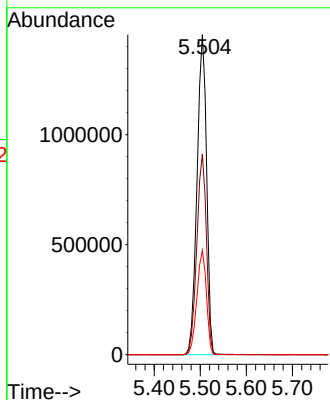
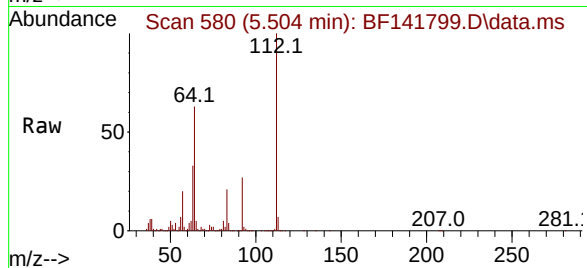




#5
2-Fluorophenol
Concen: 112.657 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

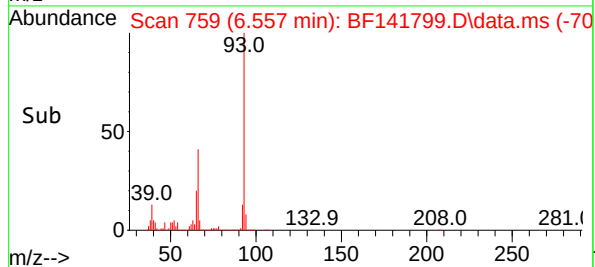
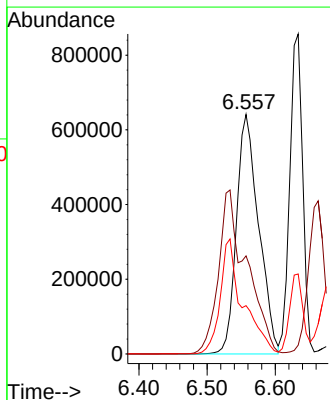
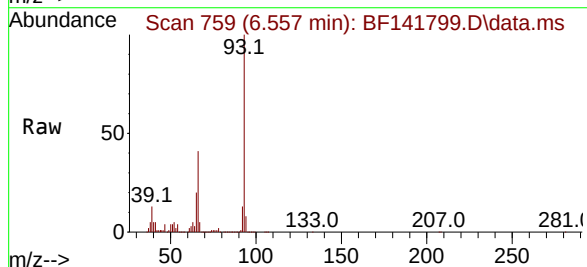
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

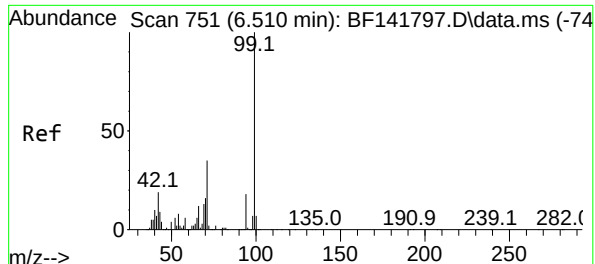
Tgt Ion:112 Resp: 2100577
Ion Ratio Lower Upper
112 100
64 62.8 51.3 76.9
63 32.6 26.2 39.4



#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 :

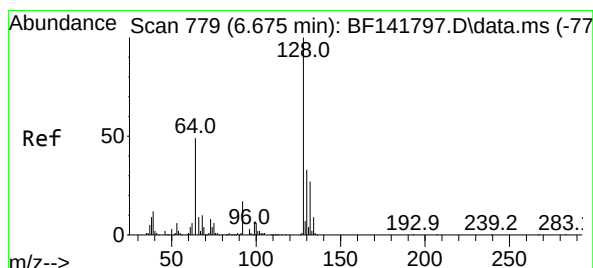
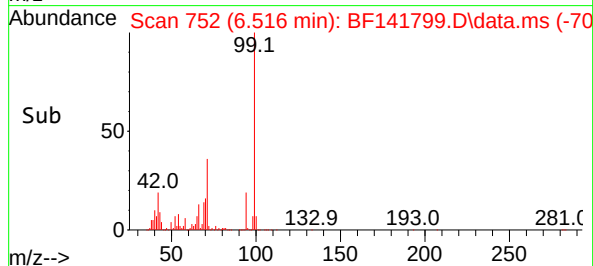
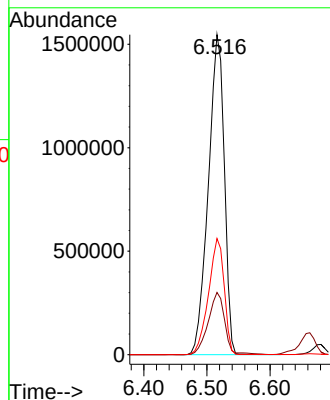
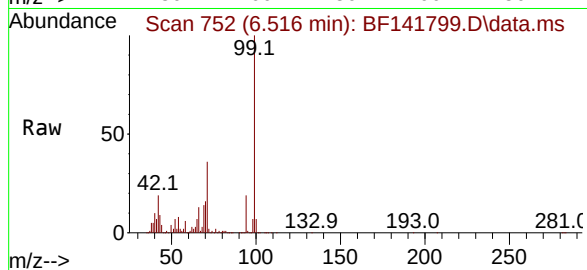
BNA_F

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

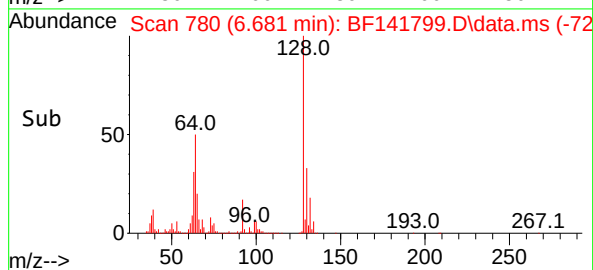
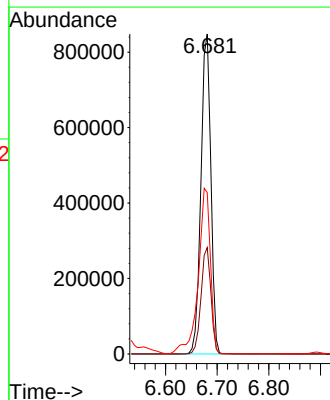
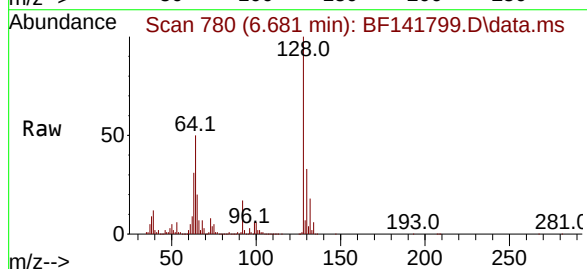
Delta R.T. 0.006 min

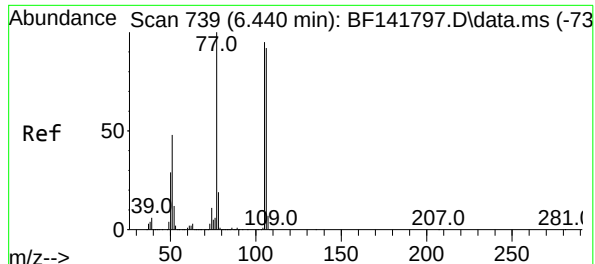
Lab File: BF141799.D

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

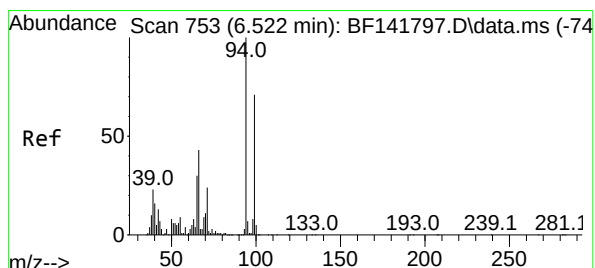
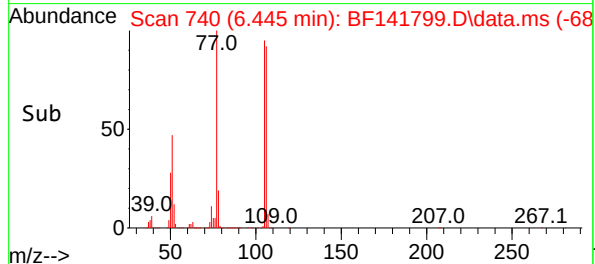
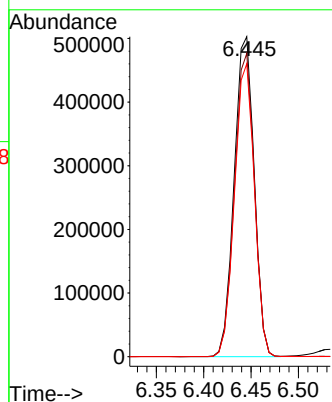
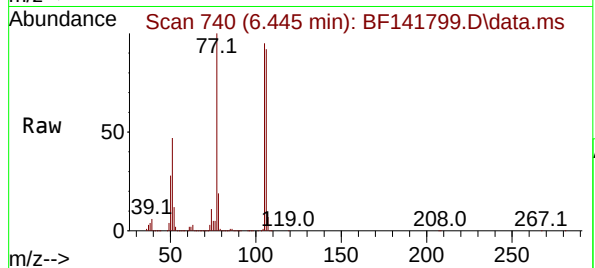




#9
Benzaldehyde
Concen: 52.156 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

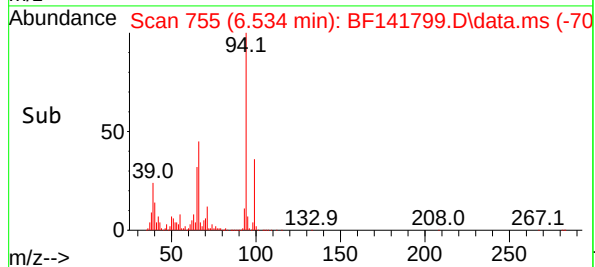
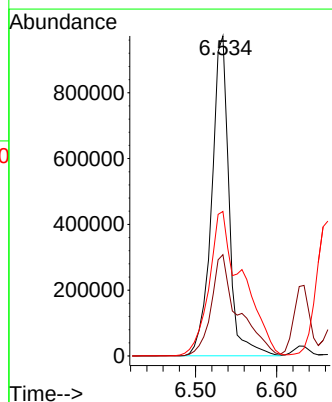
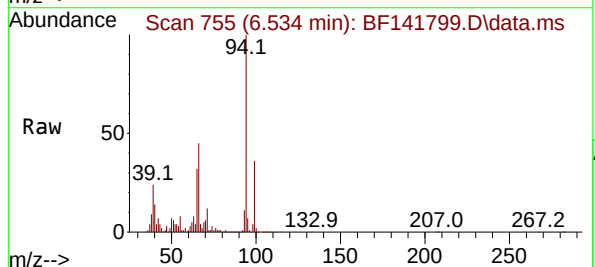
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

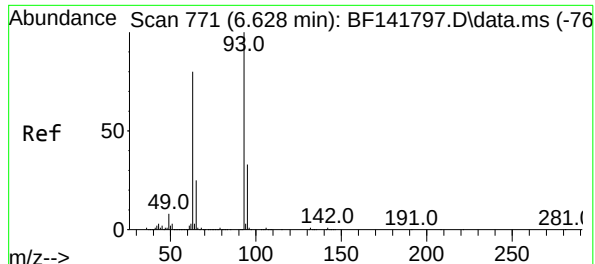
Tgt Ion: 77 Resp: 736273
Ion Ratio Lower Upper
77 100
105 94.7 75.3 115.3
106 91.6 72.3 112.3



#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

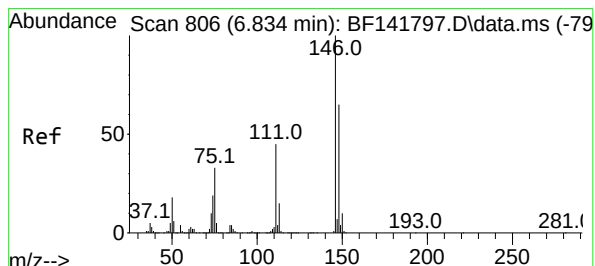
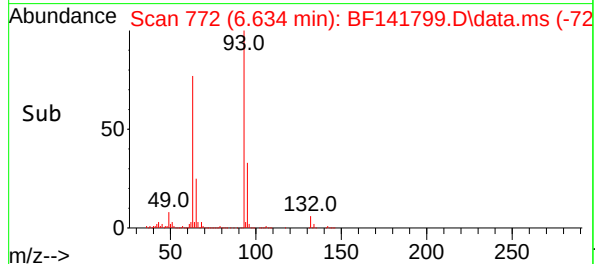
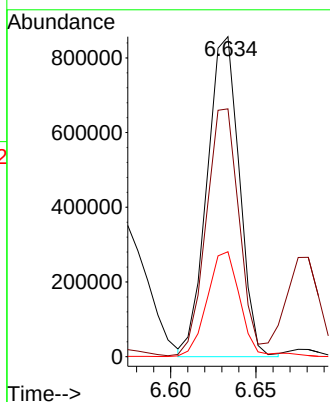
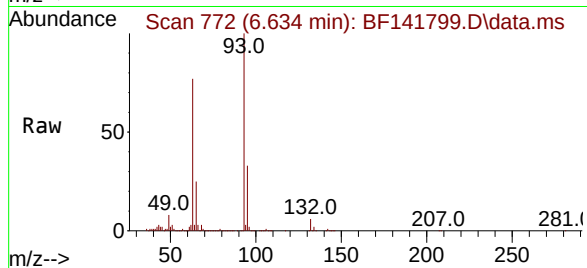




#11
bis(2-Chloroethyl)ether
Concen: 57.184 ng
RT: 6.634 min Scan# 771
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

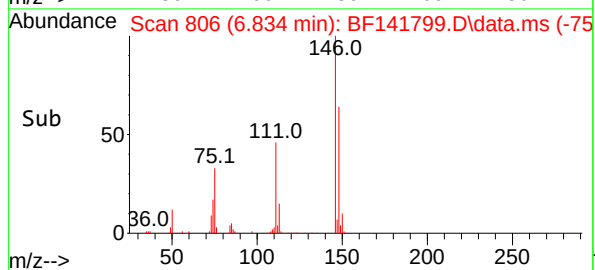
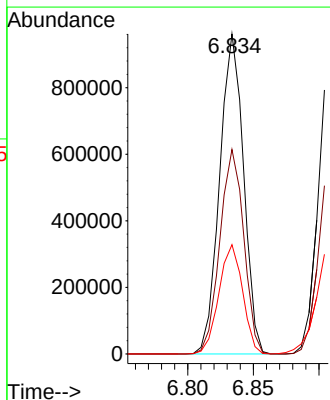
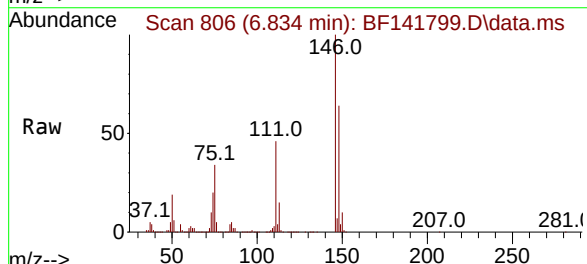
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

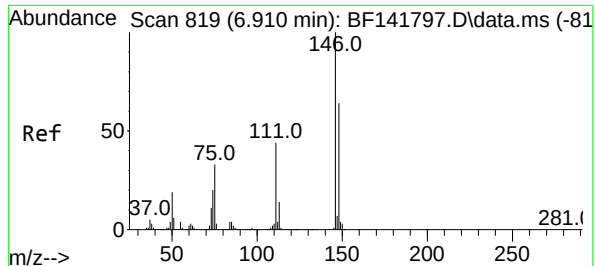
Tgt Ion: 93 Resp: 1130421
Ion Ratio Lower Upper
93 100
63 77.4 59.3 99.3
95 32.8 13.2 53.2



#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

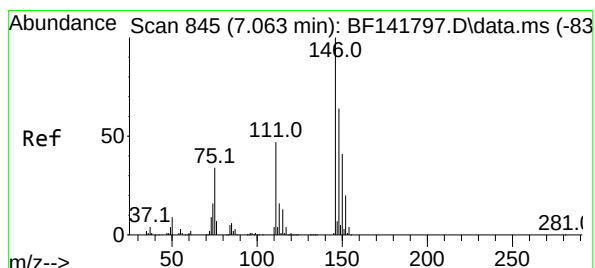
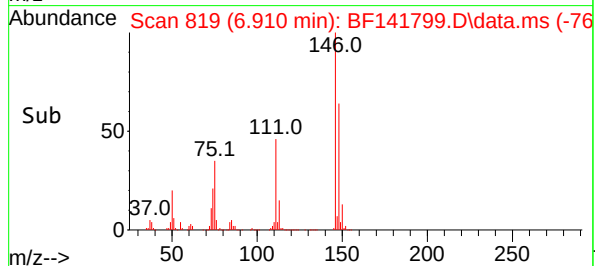
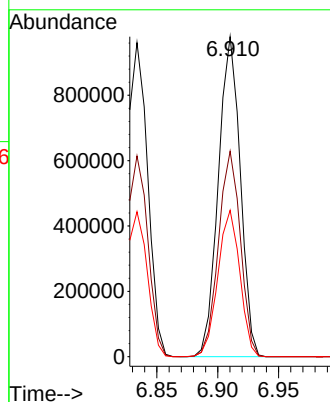
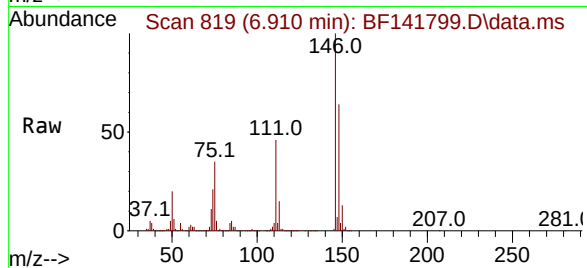
Tgt Ion:146 Resp: 1230489

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

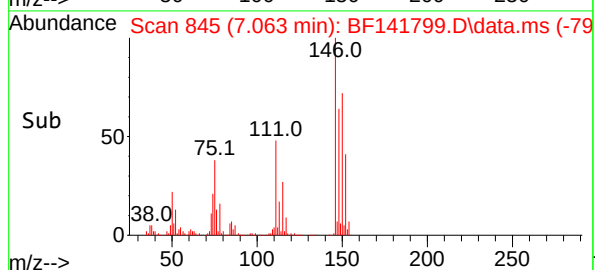
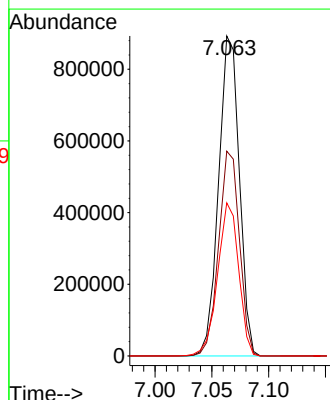
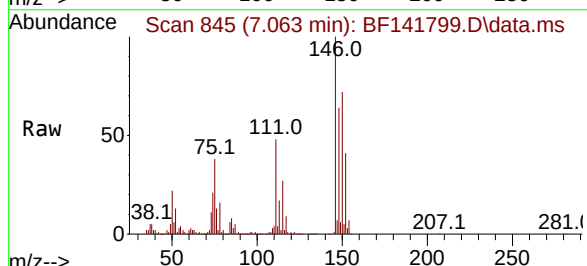
Tgt Ion:146 Resp: 1134751

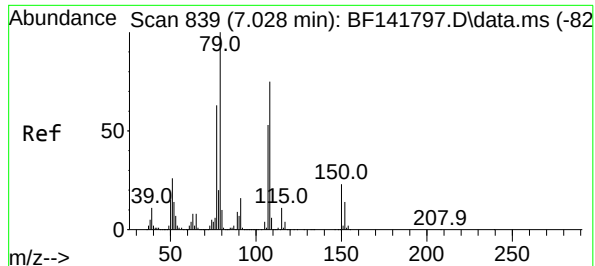
Ion Ratio Lower Upper

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

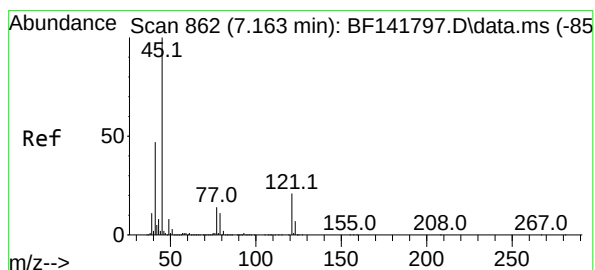
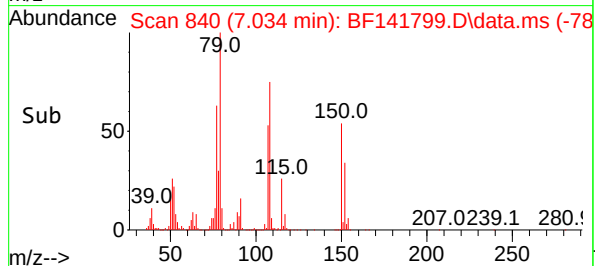
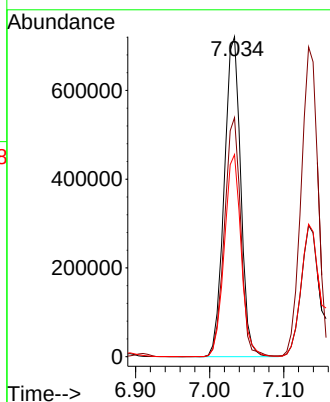
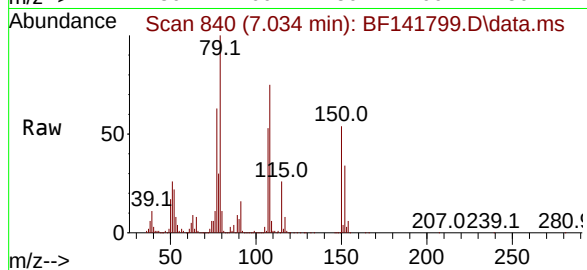
Tgt Ion: 79 Resp: 1108848

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

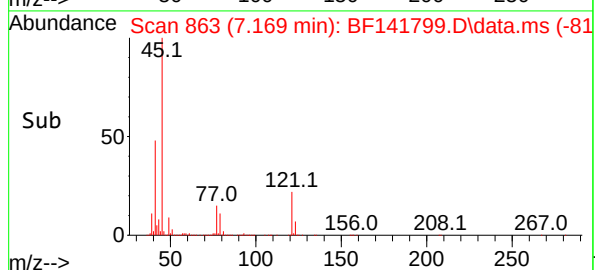
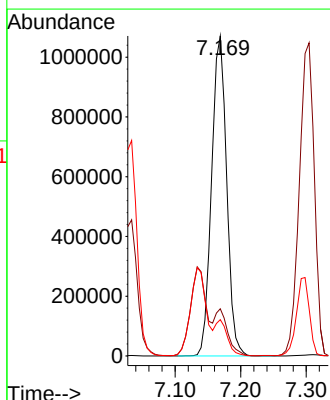
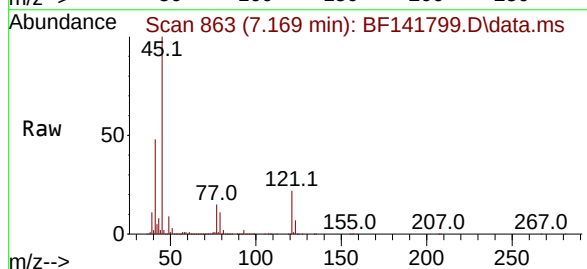
Tgt Ion: 45 Resp: 1706347

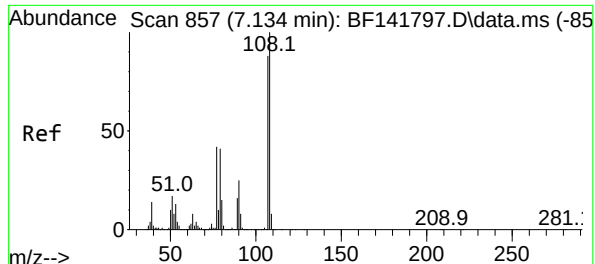
Ion Ratio Lower Upper

45 100

77 14.7 0.0 34.4

79 11.4 0.0 30.9

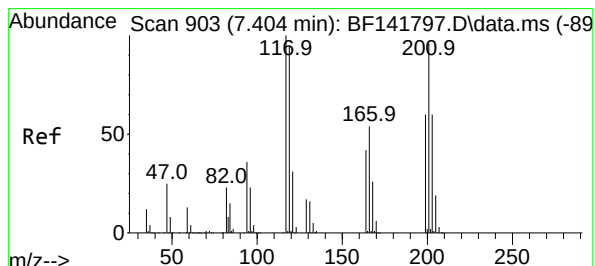
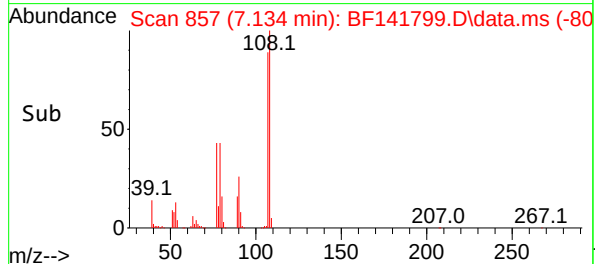
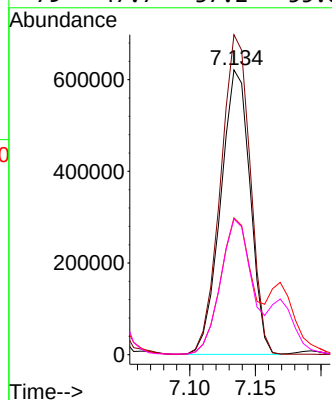
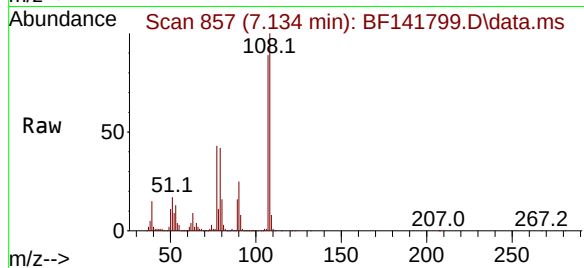




#17
2-Methylphenol
Concen: 58.177 ng
RT: 7.134 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

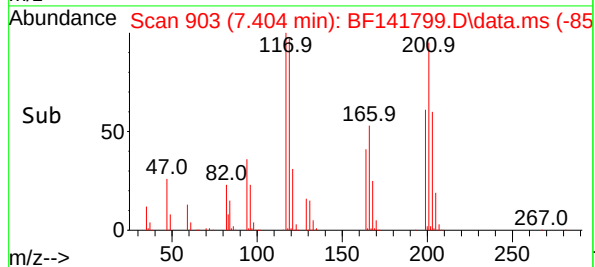
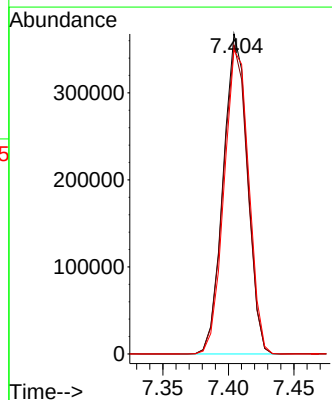
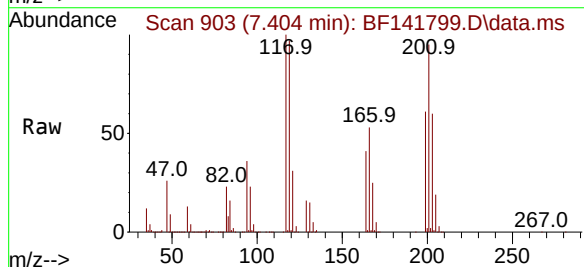
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

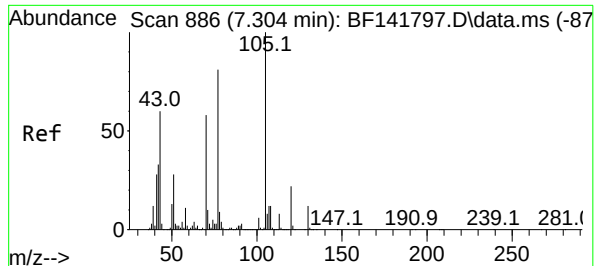
Tgt Ion:107 Resp: 968603
Ion Ratio Lower Upper
107 100
108 112.4 90.6 135.8
77 48.0 37.7 56.5
79 47.7 37.2 55.8



#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# 888

Delta R.T. 0.012 min

Lab File: BF141799.D

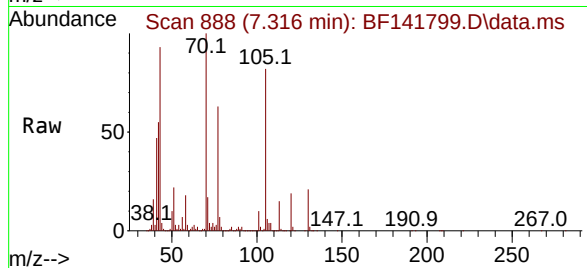
Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 899573

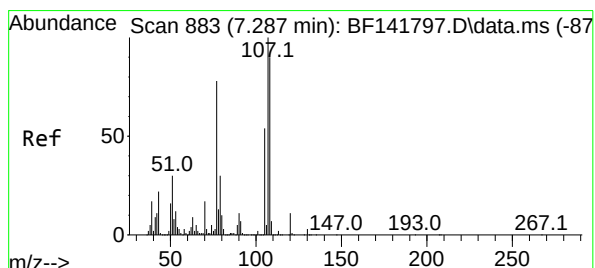
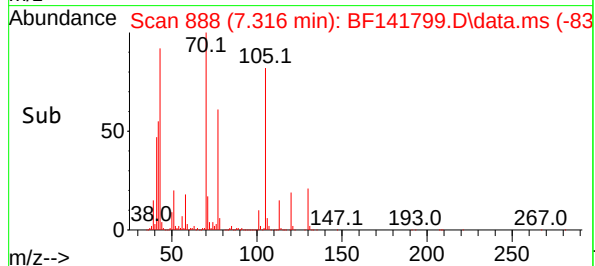
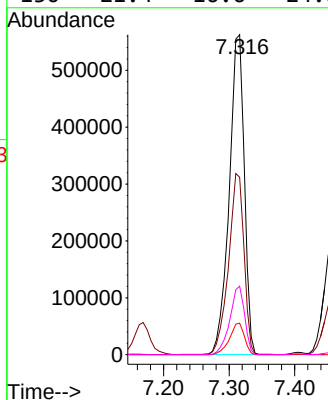
Ion Ratio Lower Upper

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

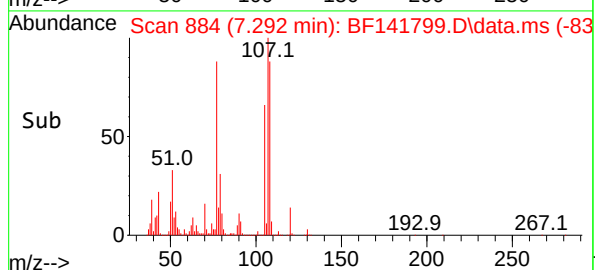
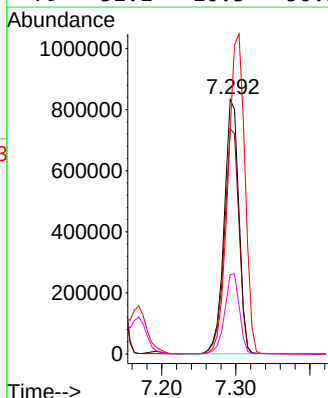
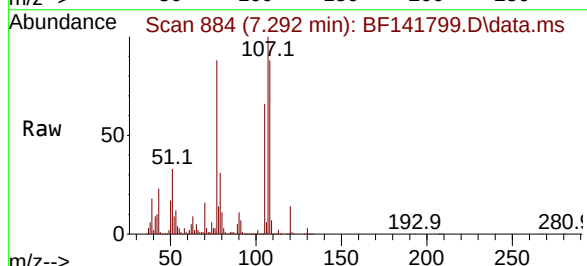
Ion Ratio Lower Upper

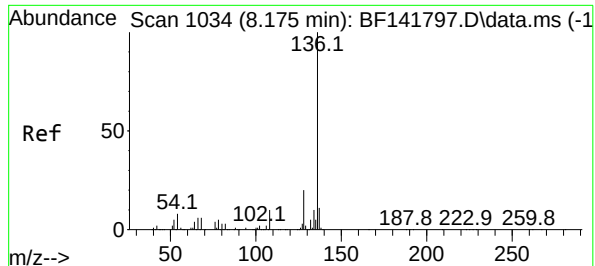
107 100

108 88.4 69.7 109.7

77 88.3 58.3 98.3

79 31.1 10.3 50.3

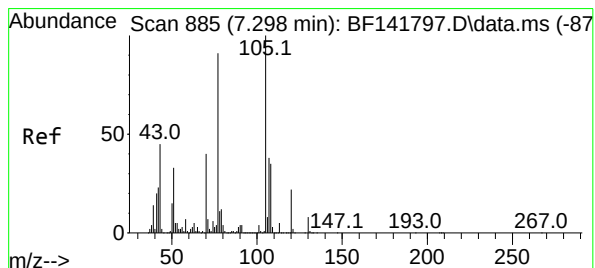
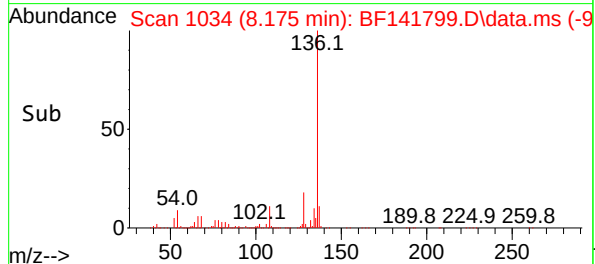
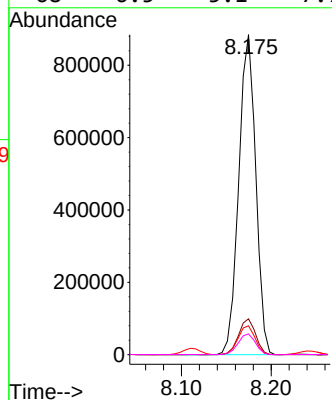
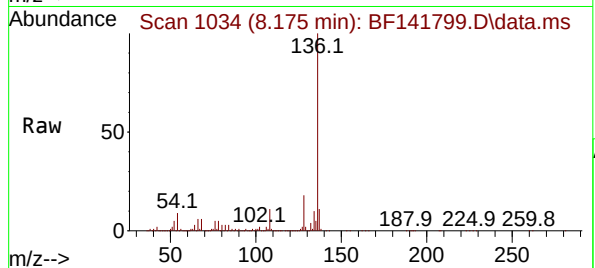




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

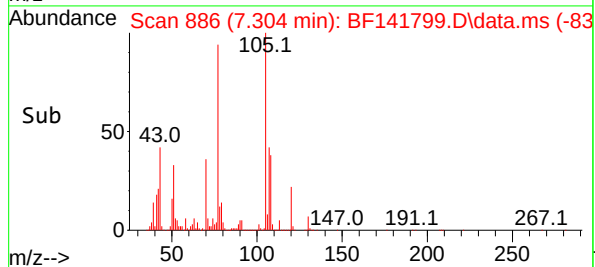
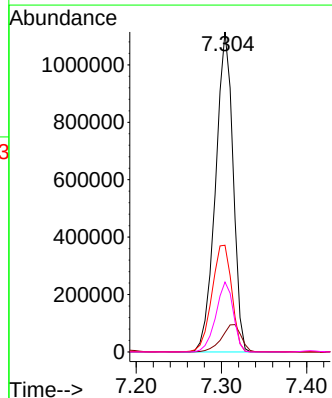
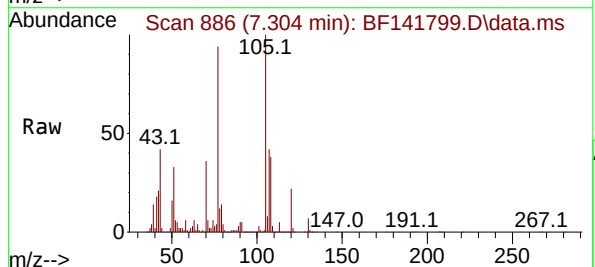
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

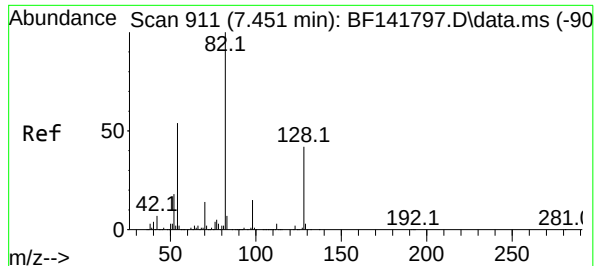
Tgt Ion:136 Resp: 1163023
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.0 6.9 10.3
68 6.5 5.1 7.7



#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 :

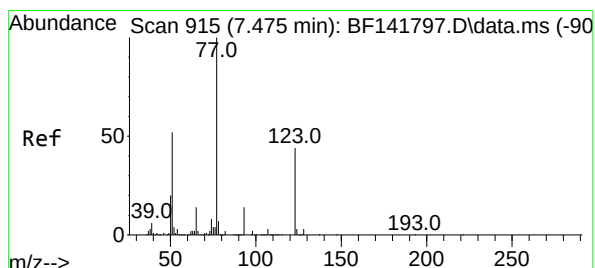
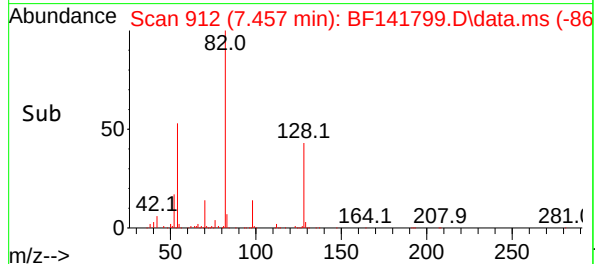
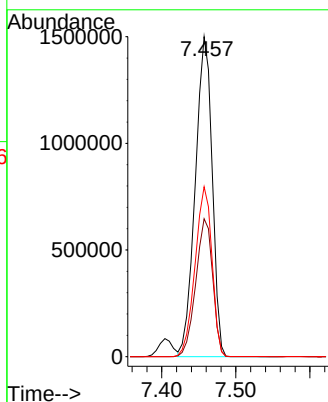
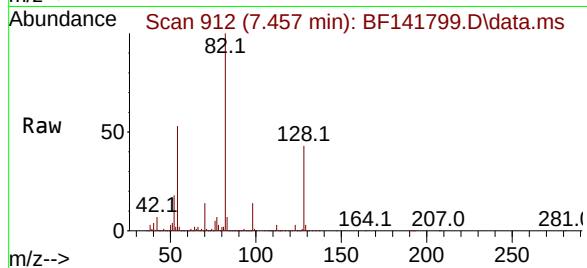
BNA_F

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

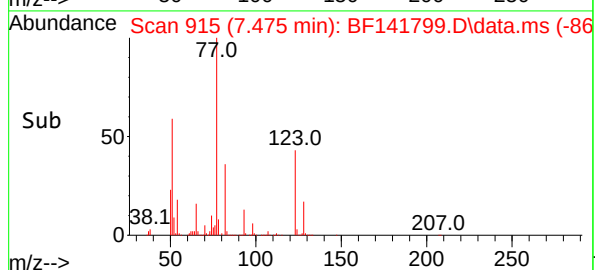
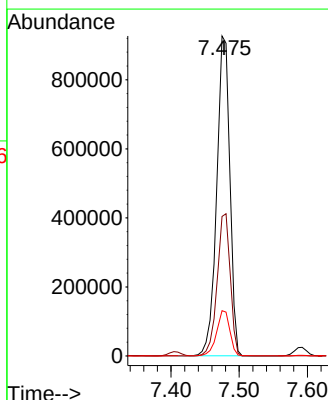
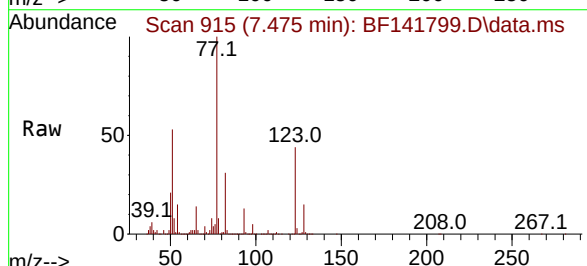
Delta R.T. -0.000 min

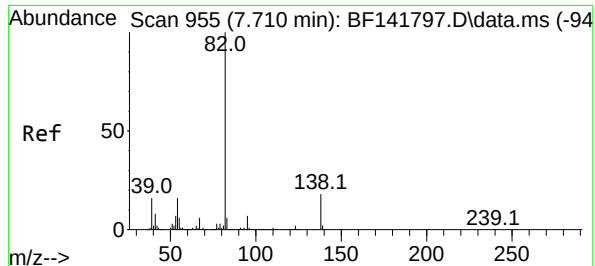
Lab File: BF141799.D

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

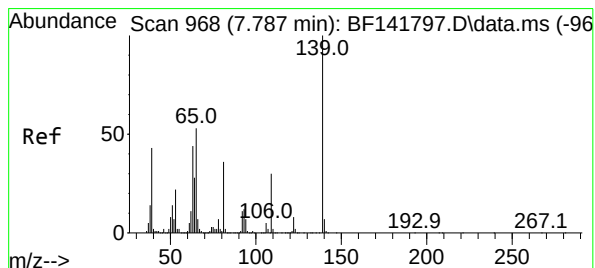
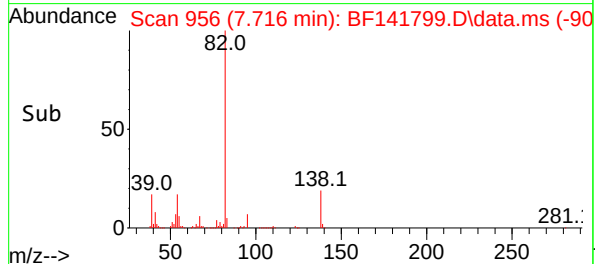
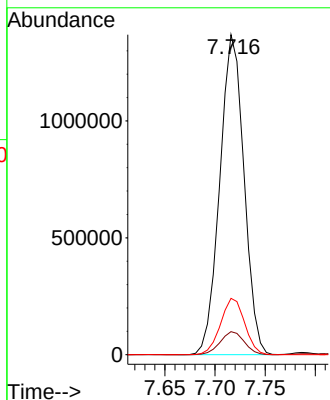
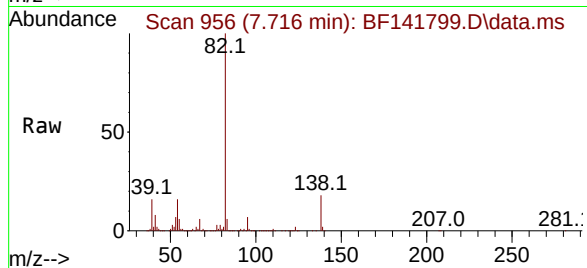




#25
Isophorone
Concen: 58.786 ng
RT: 7.716 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

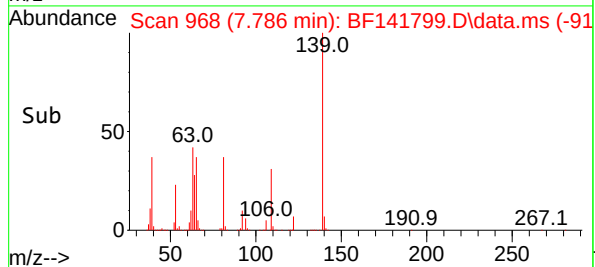
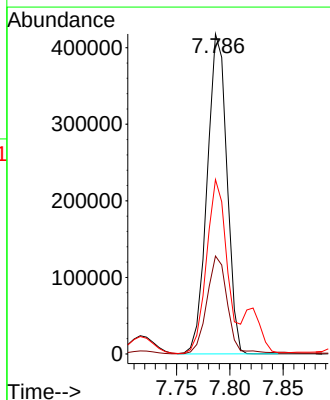
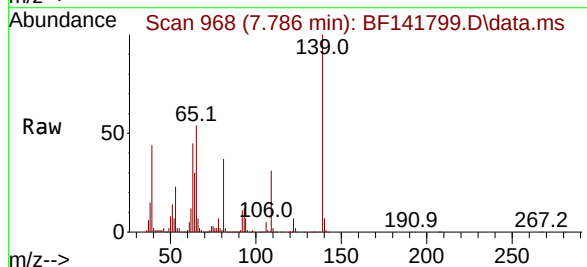
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

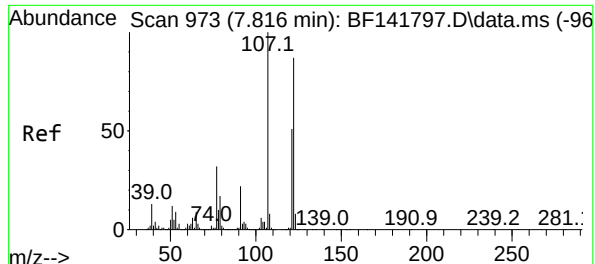
Tgt Ion: 82 Resp: 2297900
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 17.6 14.0 21.0



#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

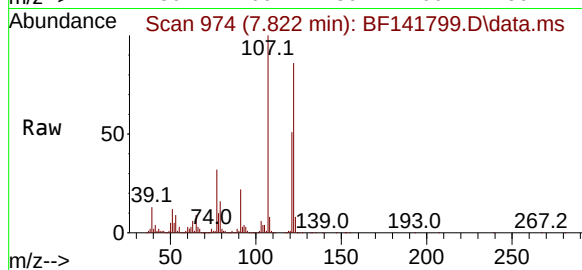
Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



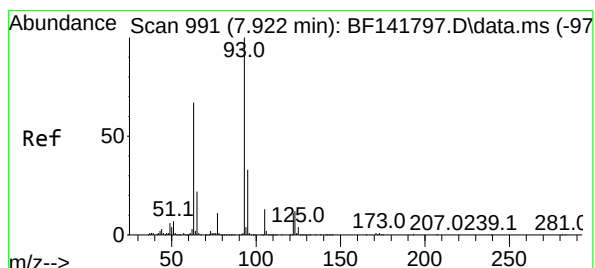
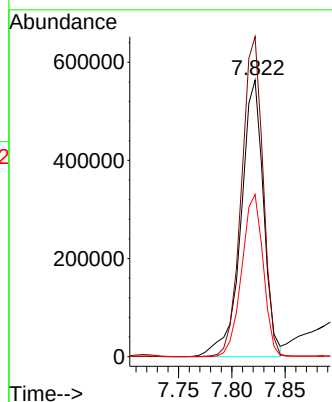
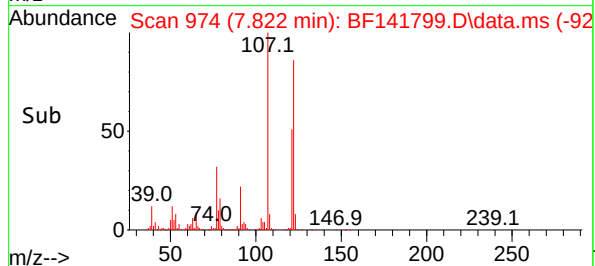
Tgt Ion:122 Resp: 832135

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

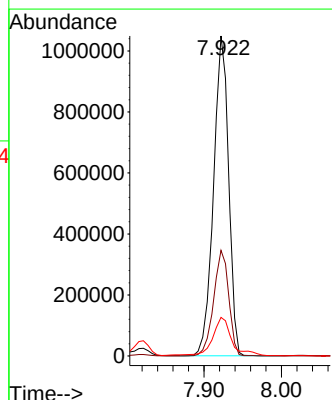
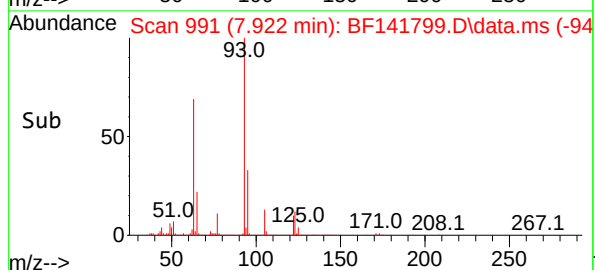
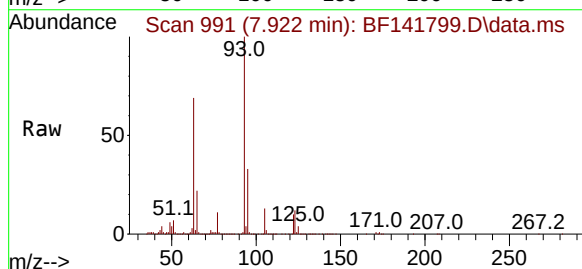
Tgt Ion: 93 Resp: 1423641

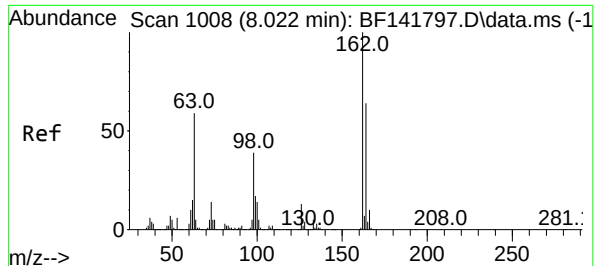
Ion Ratio Lower Upper

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

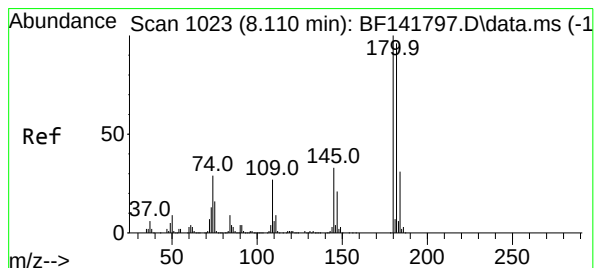
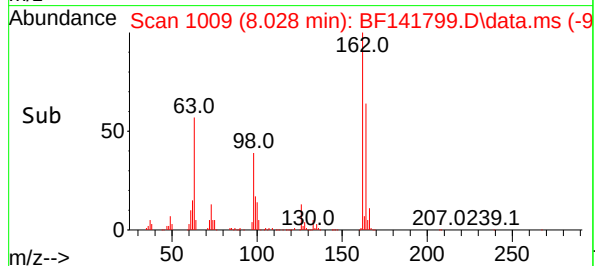
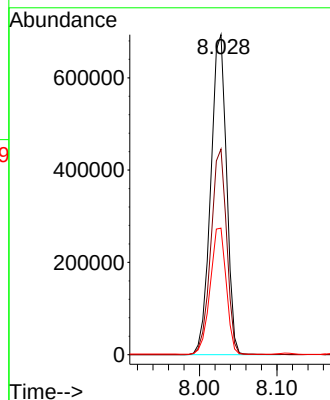
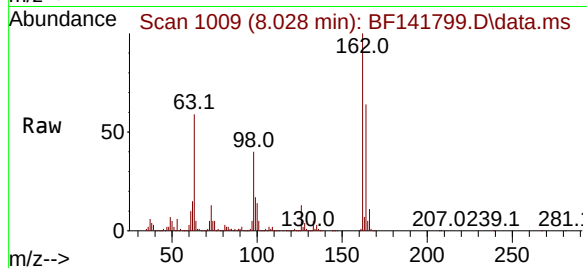
Tgt Ion:162 Resp: 981508

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

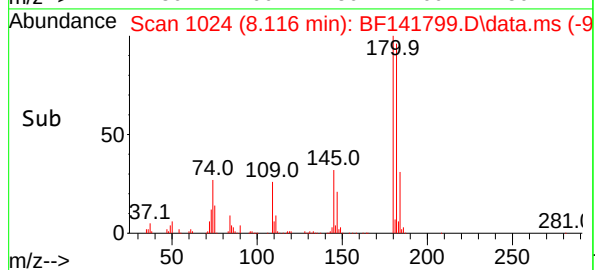
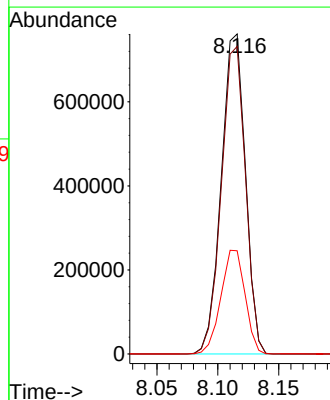
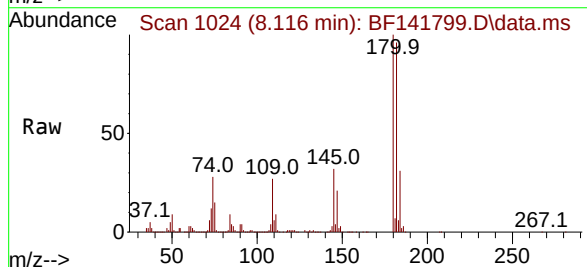
Tgt Ion:180 Resp: 1051434

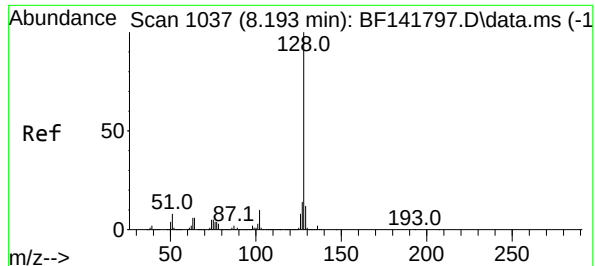
Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 32.2 26.4 39.6

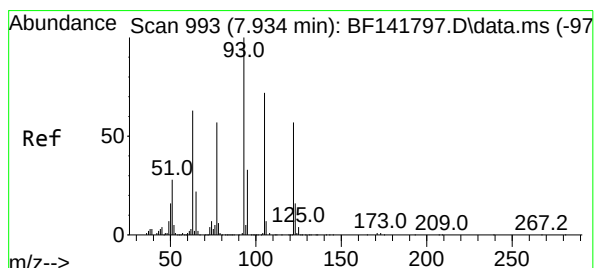
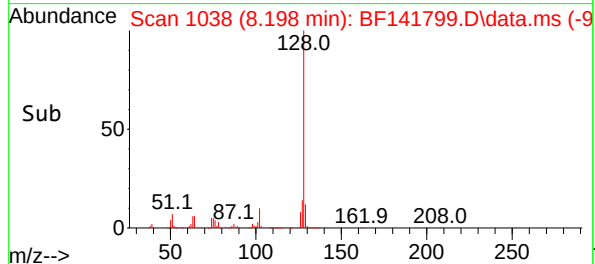
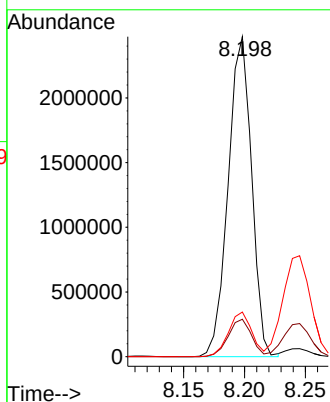
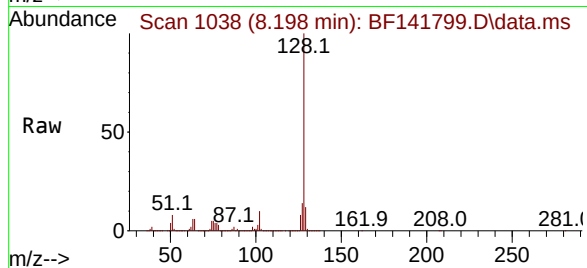




#31
Naphthalene
Concen: 55.427 ng
RT: 8.198 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

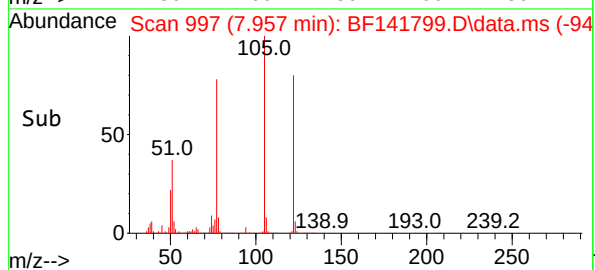
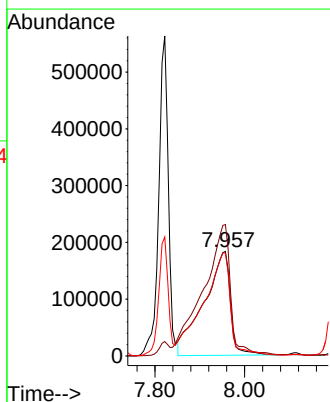
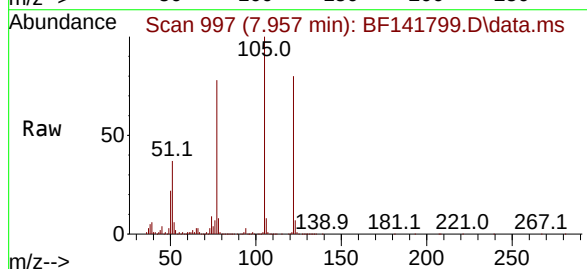
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

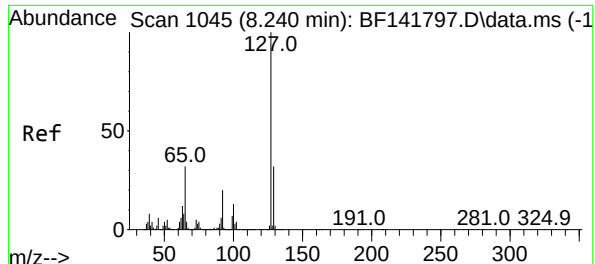
Tgt Ion:128 Resp: 3313144
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.9 11.0 16.4



#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

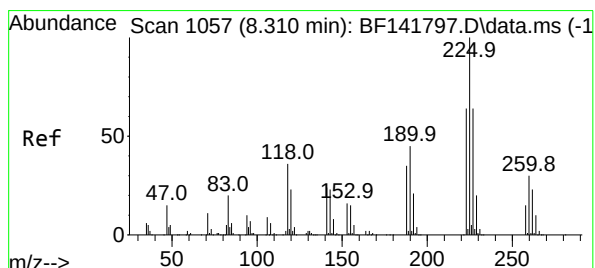
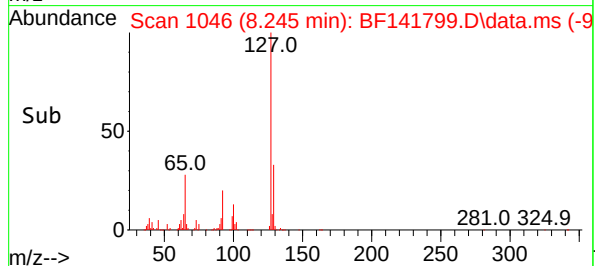
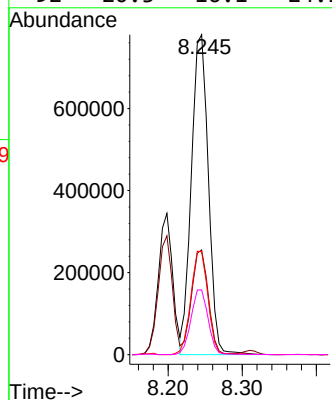
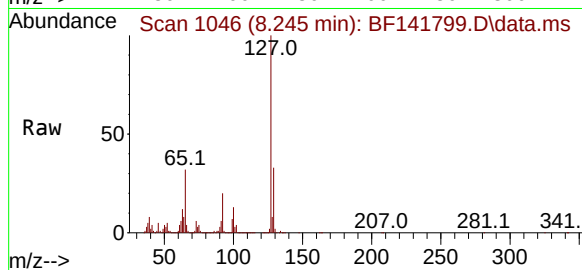
Ion	Ratio	Lower	Upper

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

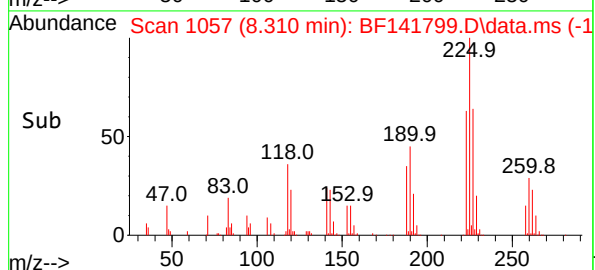
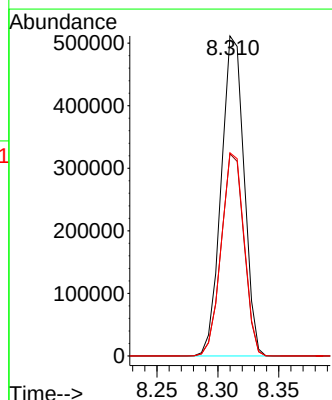
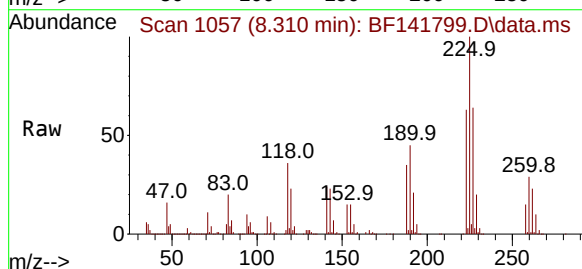
Tgt Ion:225 Resp: 666891

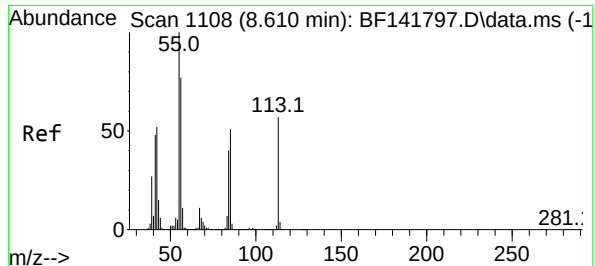
Ion	Ratio	Lower	Upper

225	100		

223	63.2	51.4	77.2

227	63.5	51.6	77.4

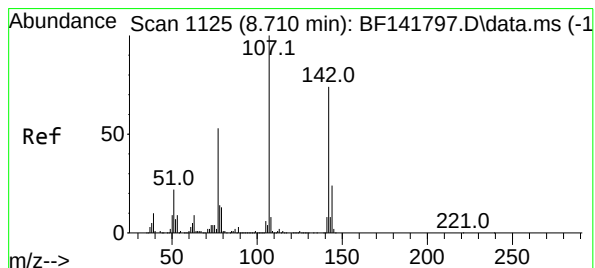
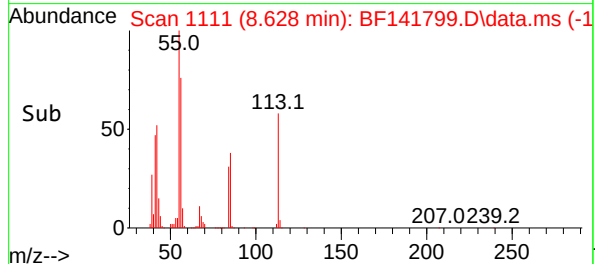
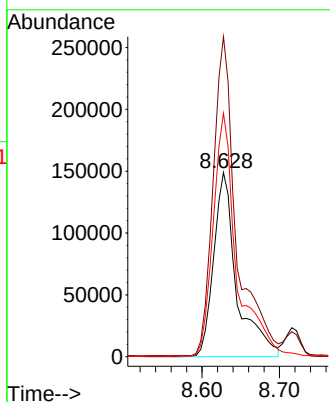
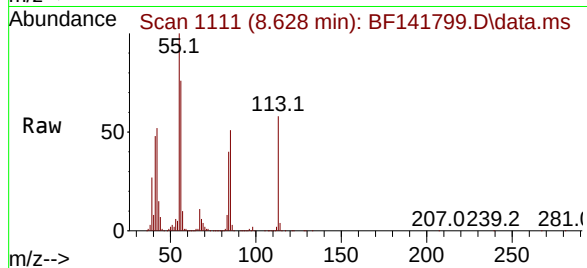




#35
Caprolactam
Concen: 60.671 ng
RT: 8.628 min Scan# 1111
Delta R.T. 0.018 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

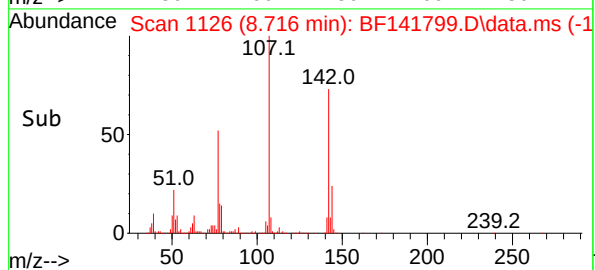
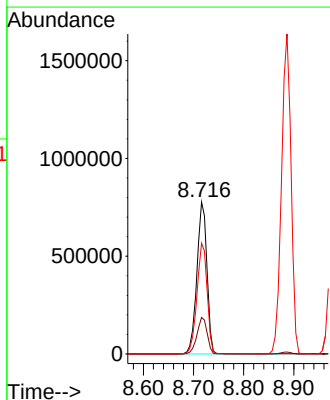
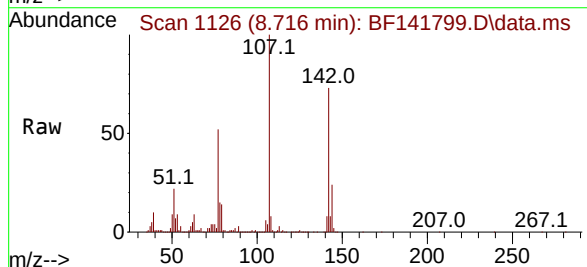
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

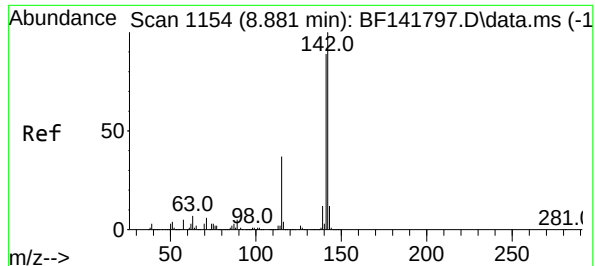
Tgt Ion:113 Resp: 309453
Ion Ratio Lower Upper
113 100
55 173.8 155.6 195.6
56 132.2 114.6 154.6



#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

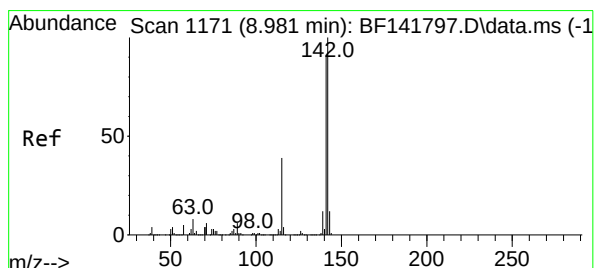
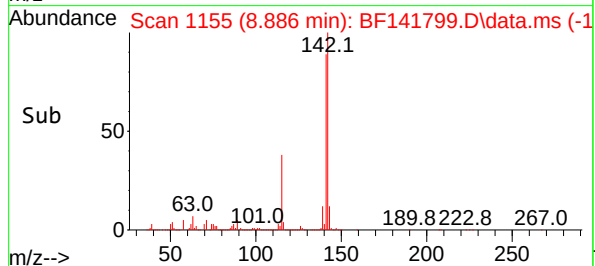
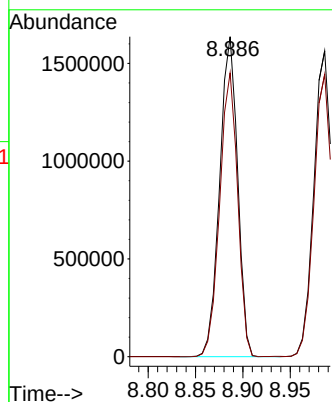
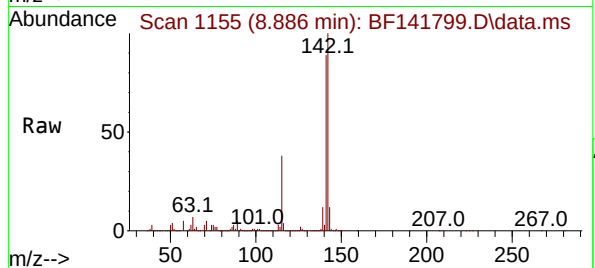




#37
2-Methylnaphthalene
Concen: 55.115 ng
RT: 8.886 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

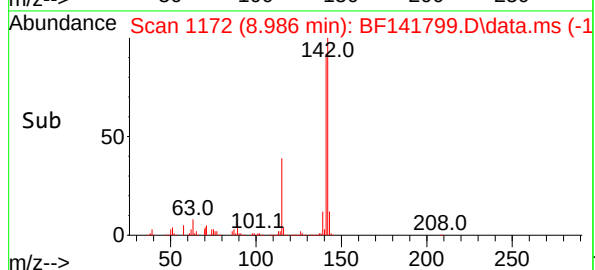
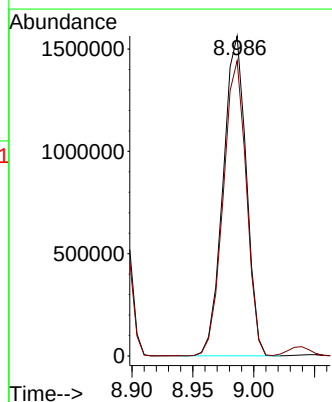
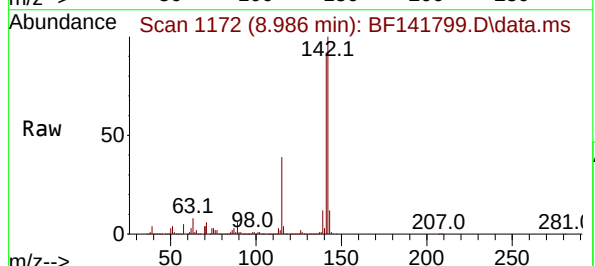
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

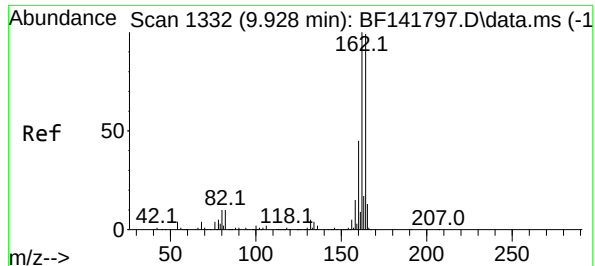
Tgt Ion:142 Resp: 2160902
Ion Ratio Lower Upper
142 100
141 88.7 71.1 106.7



#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 :

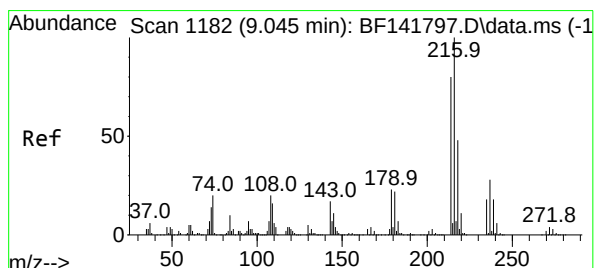
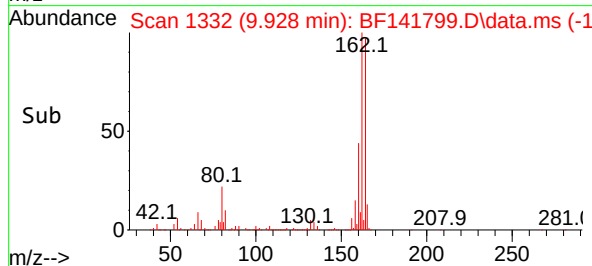
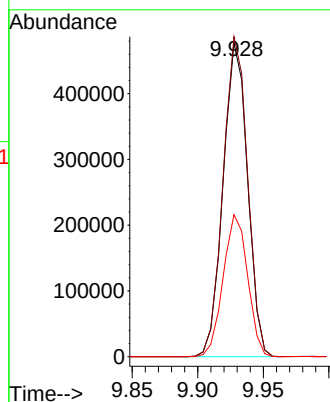
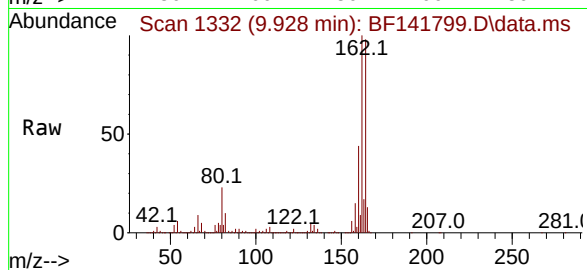
BNA_F

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

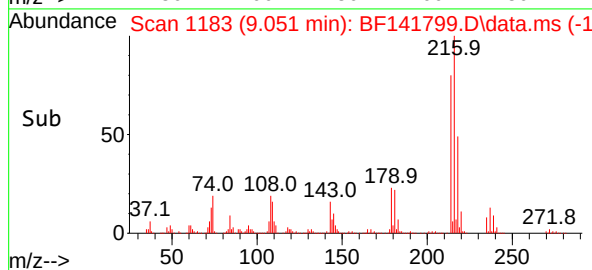
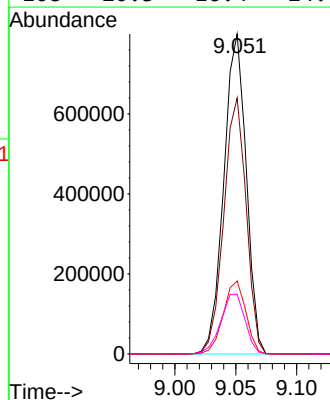
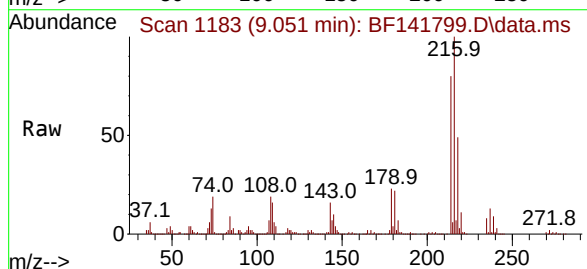
Delta R.T. 0.006 min

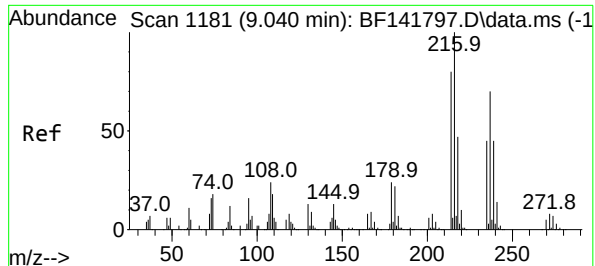
Lab File: BF141799.D

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

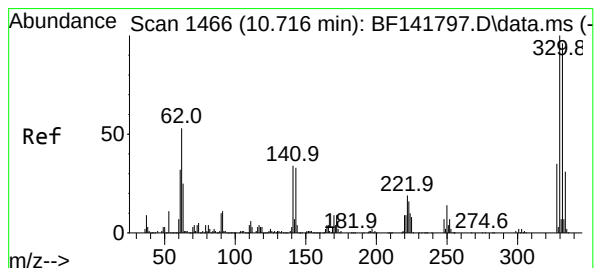
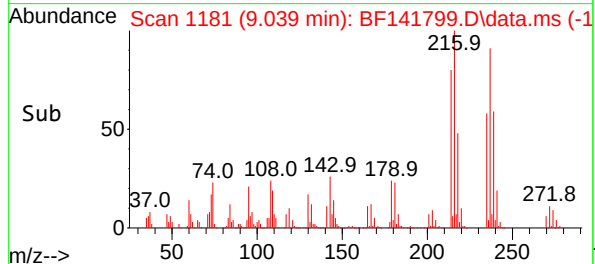
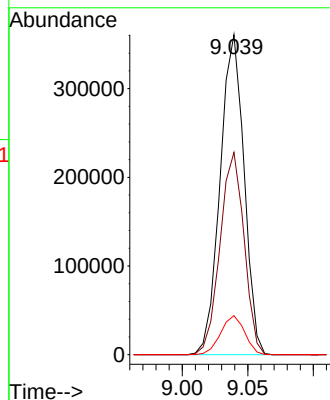
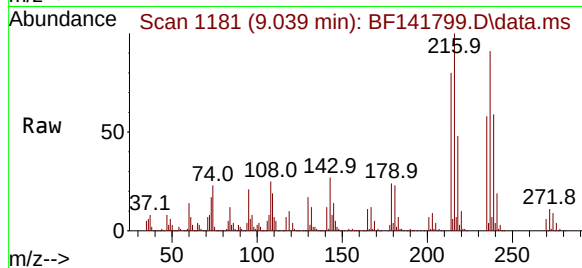




#41
Hexachlorocyclopentadiene
Concen: 61.586 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

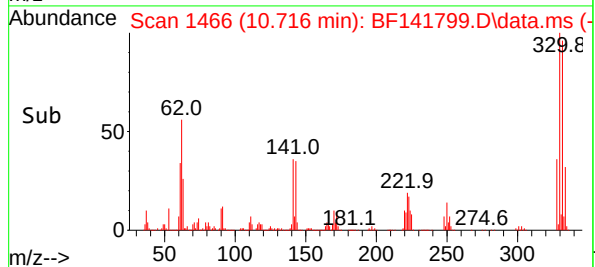
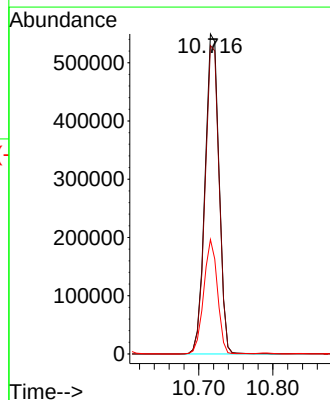
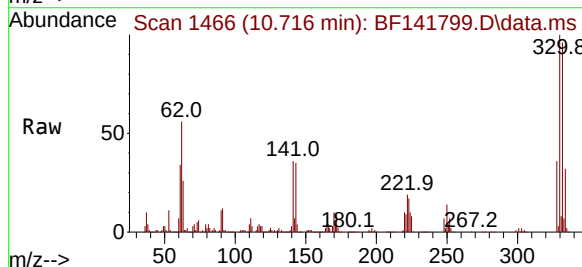
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

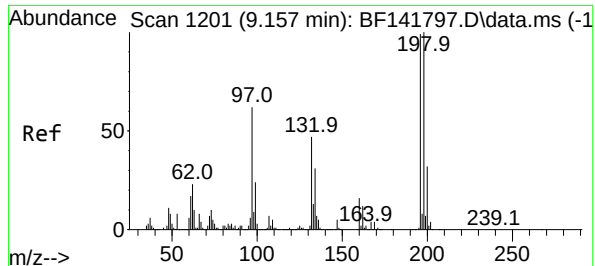
Tgt Ion:237 Resp: 458054
Ion Ratio Lower Upper
237 100
235 63.2 43.3 83.3
272 12.2 0.0 31.9



#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

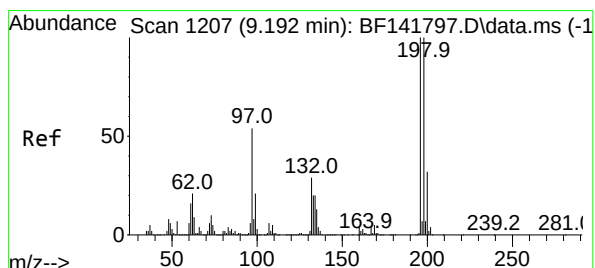
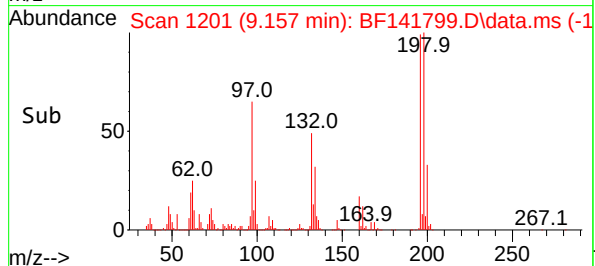
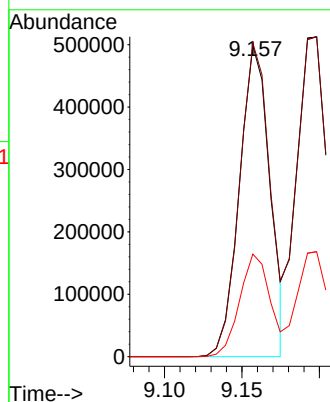
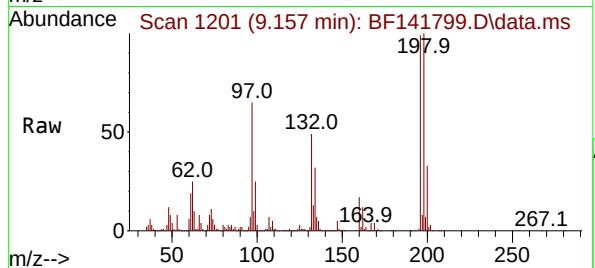
Tgt Ion:196 Resp: 681760

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

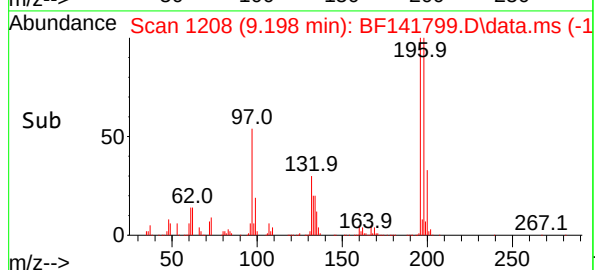
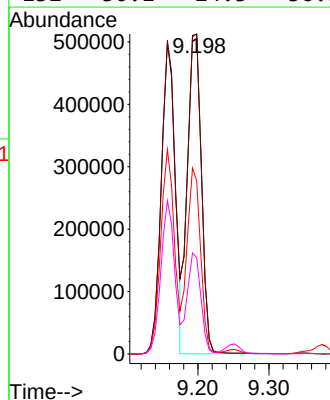
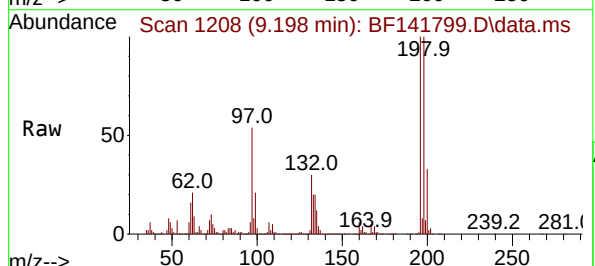
Ion Ratio Lower Upper

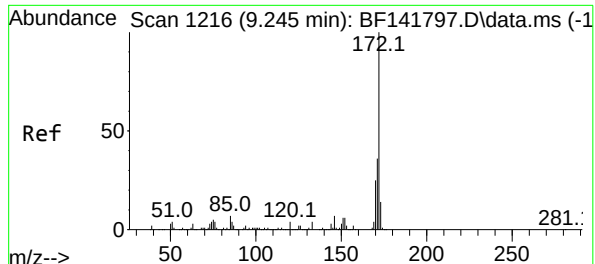
196 100

198 100.1 79.7 119.5

97 54.1 44.2 66.2

132 30.1 24.3 36.5

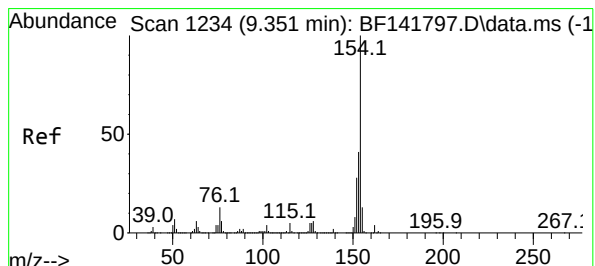
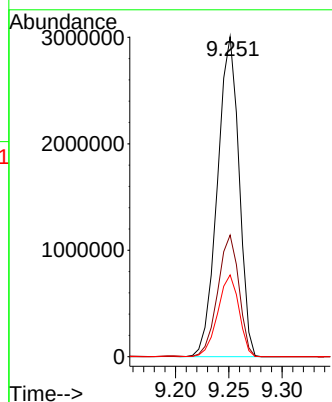
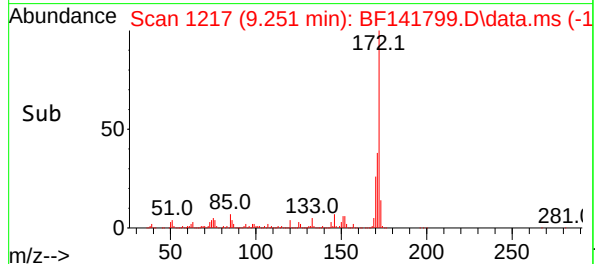
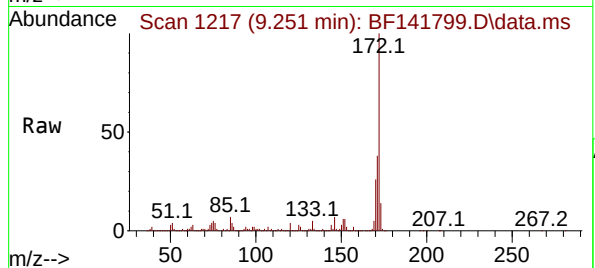




#45
2-Fluorobiphenyl
Concen: 109.742 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

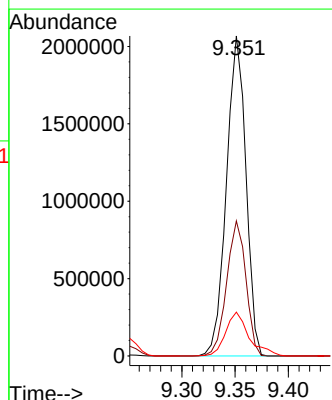
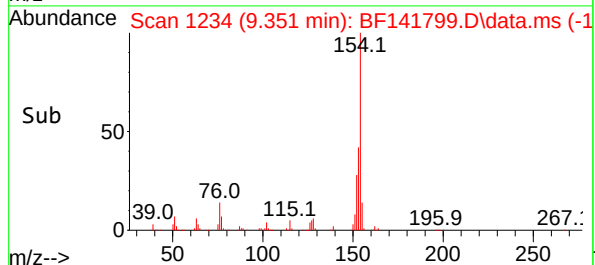
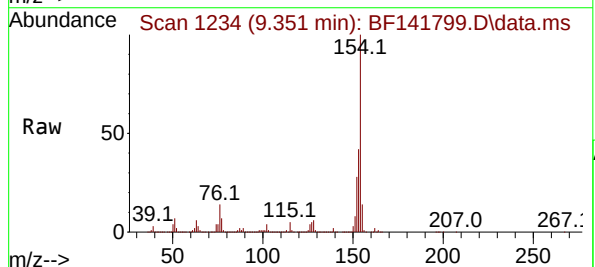
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

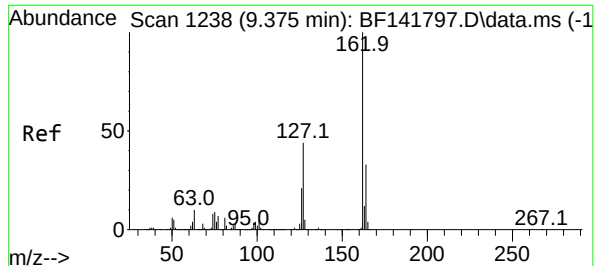
Tgt Ion:172 Resp: 4223426
Ion Ratio Lower Upper
172 100
171 38.0 29.2 43.8
170 25.5 19.7 29.5



#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

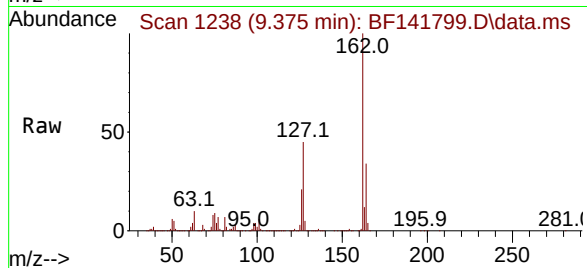
Tgt Ion:154 Resp: 2626139
Ion Ratio Lower Upper
154 100
153 42.2 21.4 61.4
76 13.7 0.0 33.4



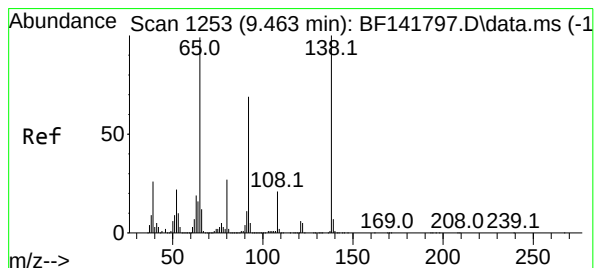
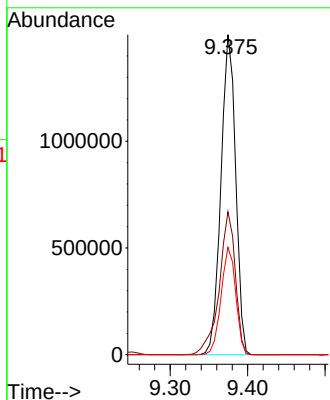
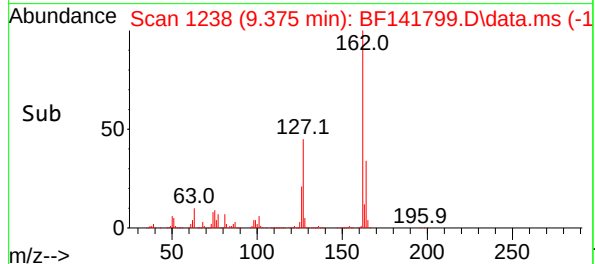


#47
2-Chloronaphthalene
Concen: 57.187 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

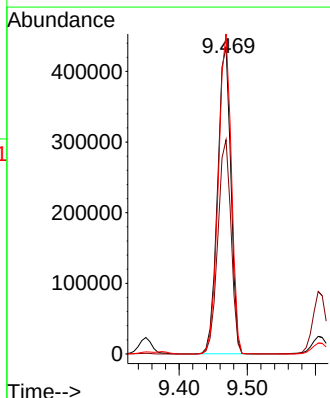
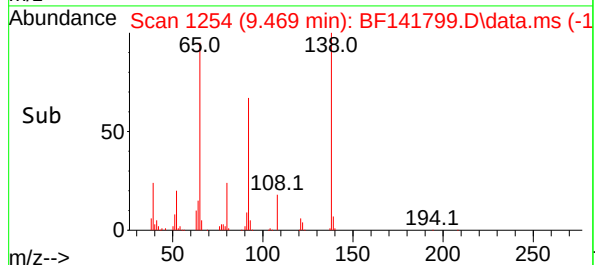
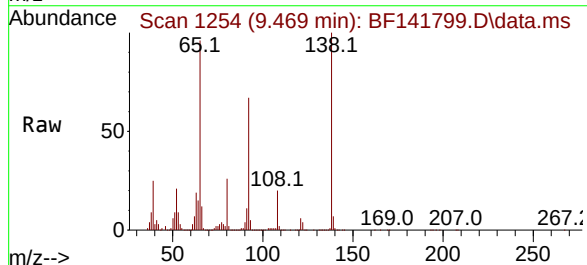


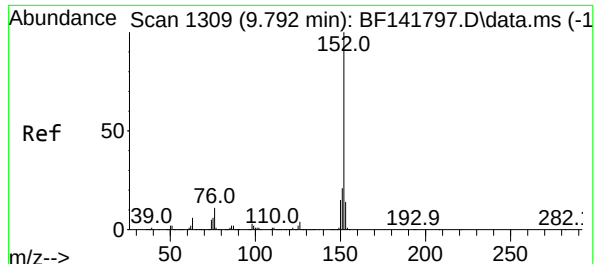
Tgt Ion:162 Resp: 1982513
Ion Ratio Lower Upper
162 100
127 44.6 35.0 52.6
164 33.5 26.6 40.0



#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 :

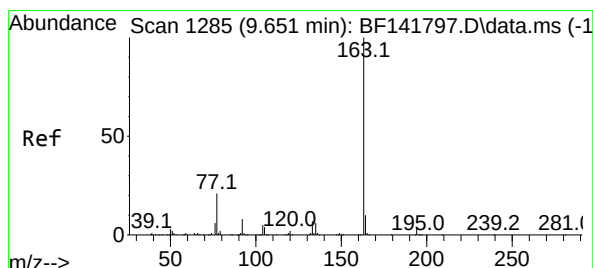
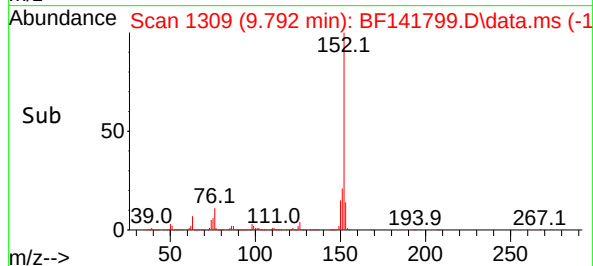
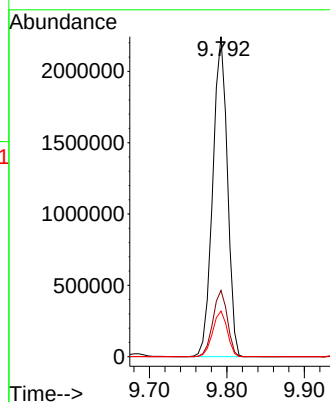
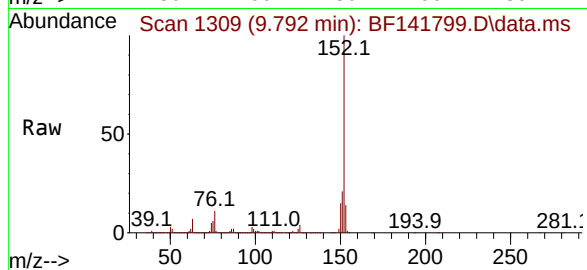
BNA_F

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

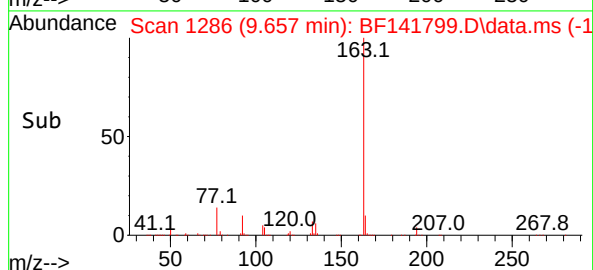
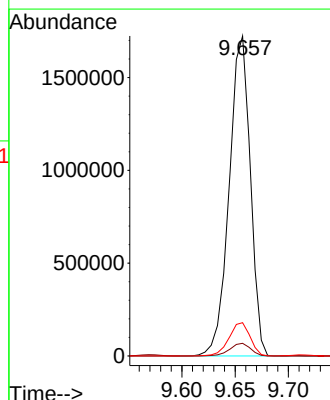
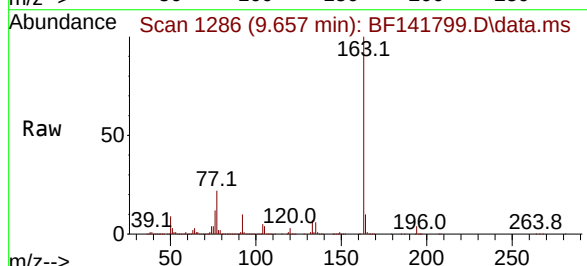
Delta R.T. 0.006 min

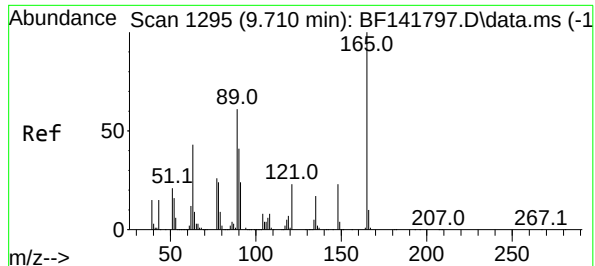
Lab File: BF141799.D

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

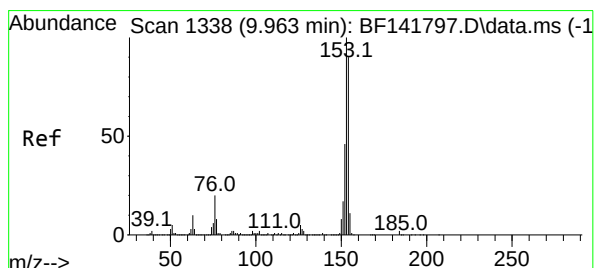
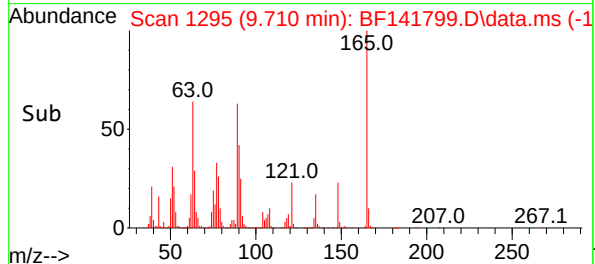
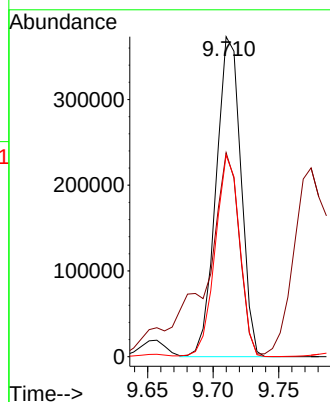
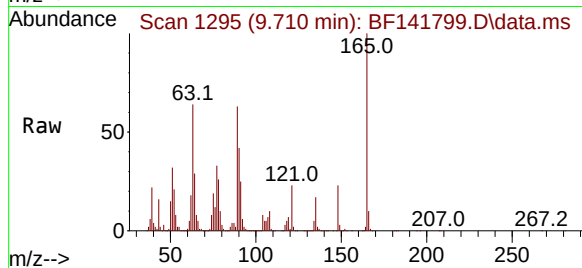




#51
2,6-Dinitrotoluene
Concen: 61.325 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

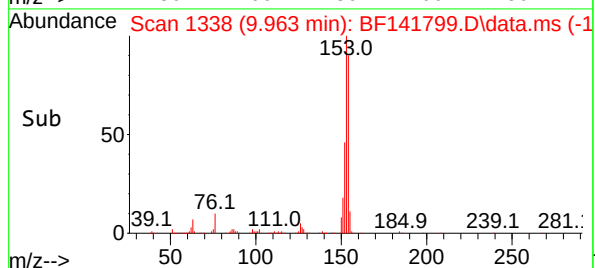
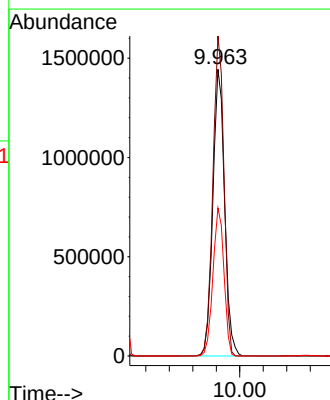
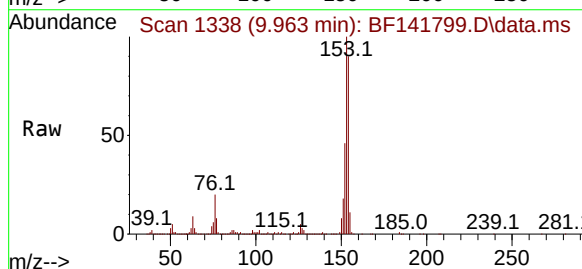
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

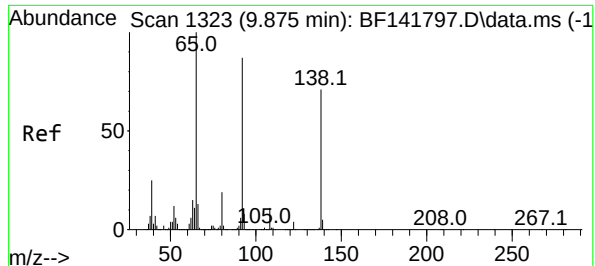
Tgt Ion:165 Resp: 491402
Ion Ratio Lower Upper
165 100
63 63.8 49.5 74.3
89 63.0 49.0 73.4



#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

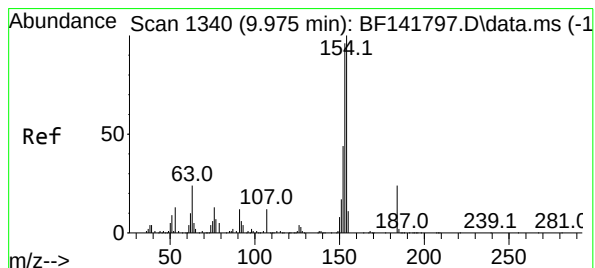
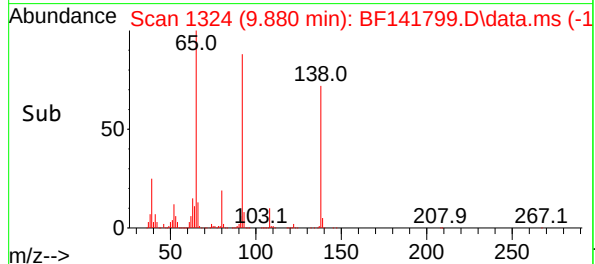
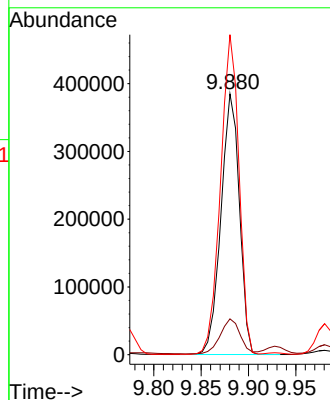
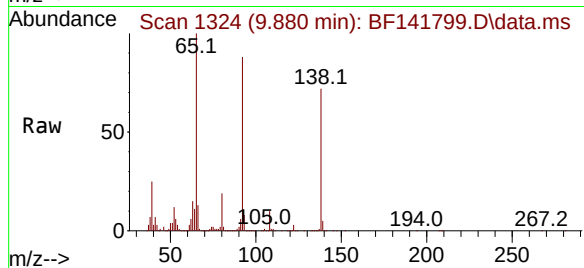




#53
3-Nitroaniline
Concen: 61.078 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

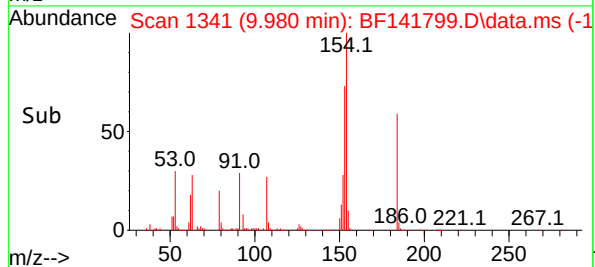
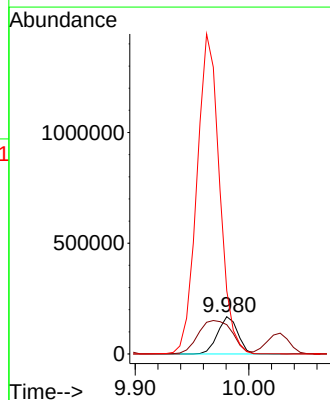
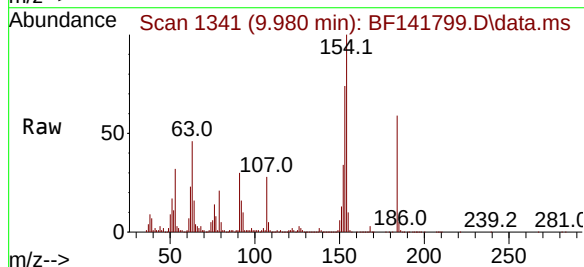
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

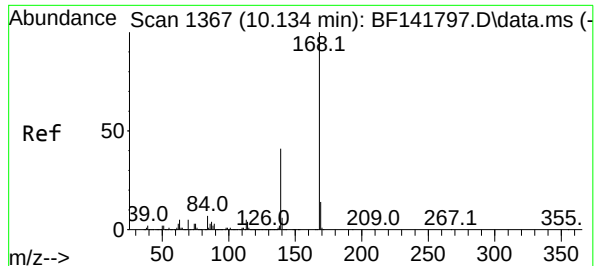
Tgt Ion:138 Resp: 521575
Ion Ratio Lower Upper
138 100
108 13.7 12.7 19.1
92 122.7 97.9 146.9



#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#

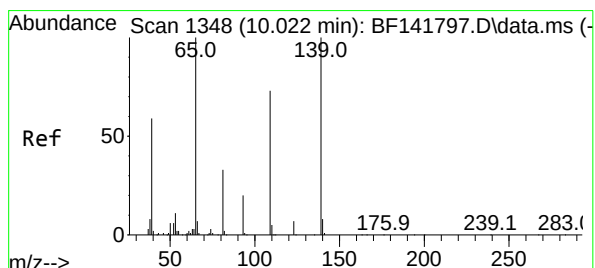
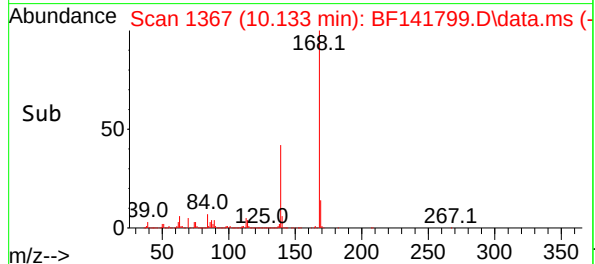
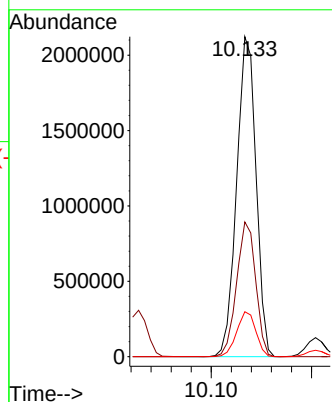
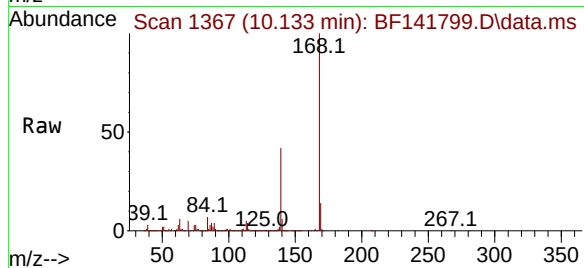




#55
Dibenzofuran
Concen: 55.911 ng
RT: 10.133 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

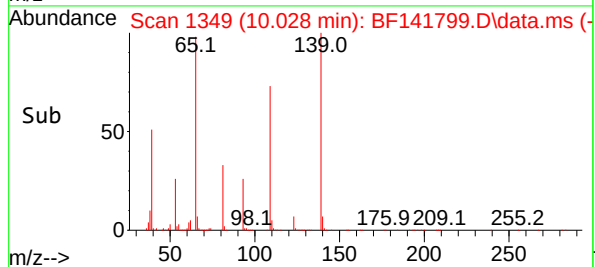
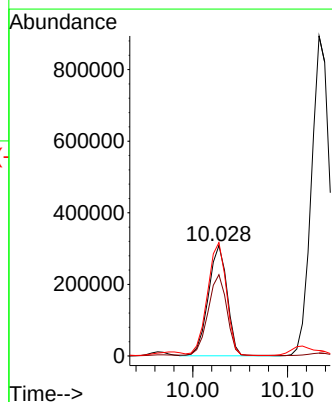
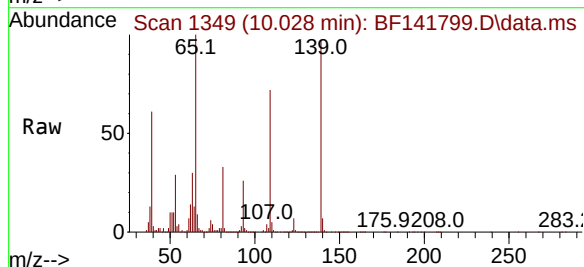
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

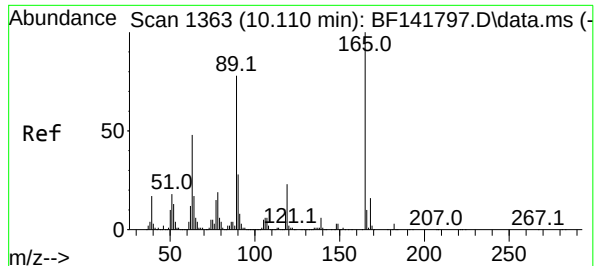
Tgt Ion:168 Resp: 2854091
Ion Ratio Lower Upper
168 100
139 42.1 32.9 49.3
169 14.1 11.1 16.7



#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

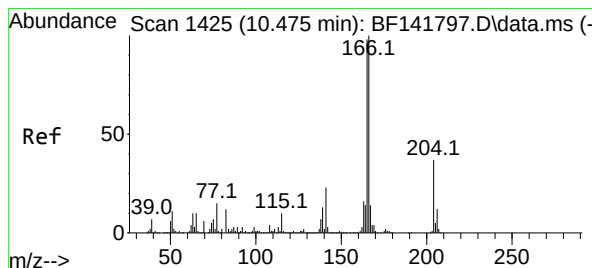
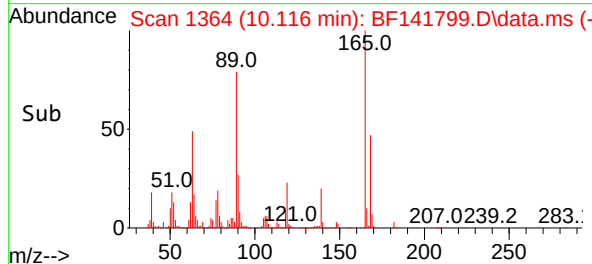
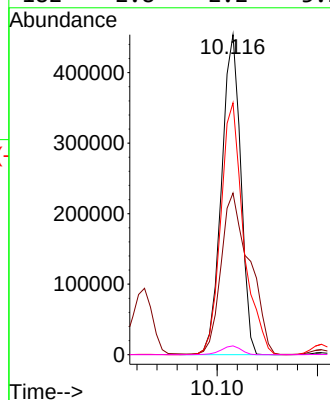
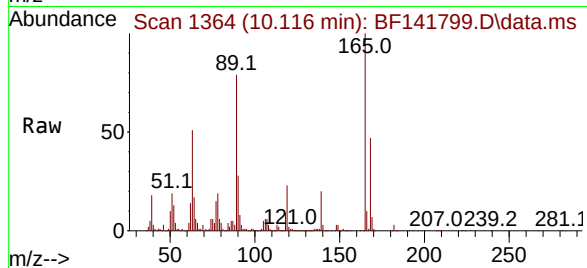




#57
2,4-Dinitrotoluene
Concen: 61.246 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

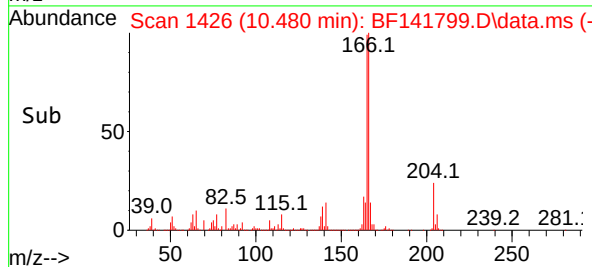
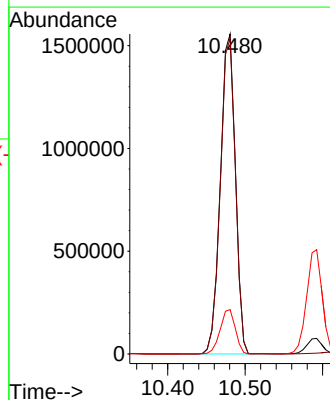
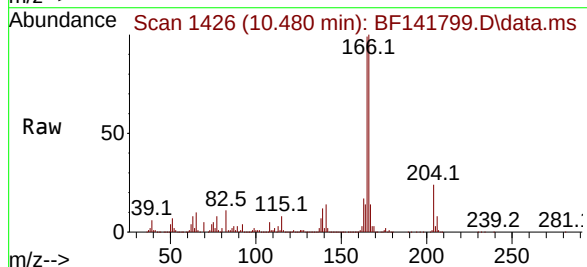
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

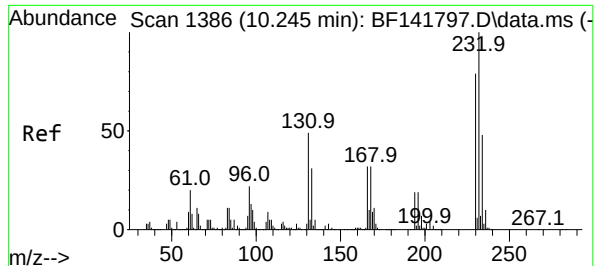
Tgt Ion:165 Resp: 601539
Ion Ratio Lower Upper
165 100
63 50.5 38.8 58.2
89 78.7 62.6 94.0
182 2.8 2.2 3.2



#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

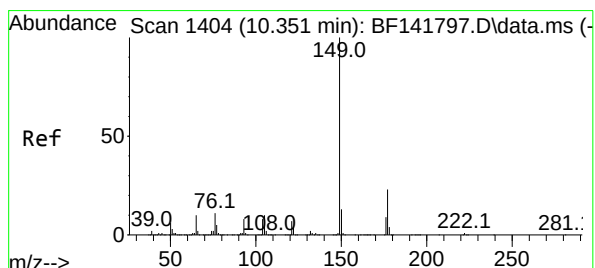
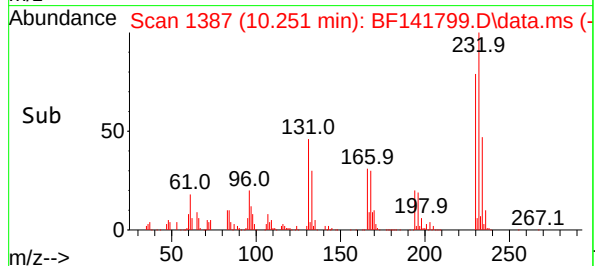
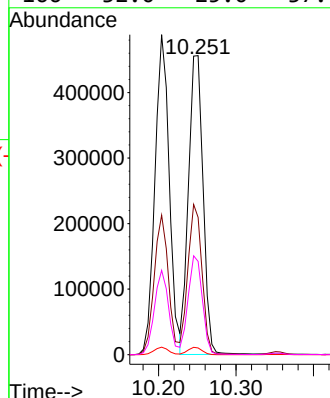
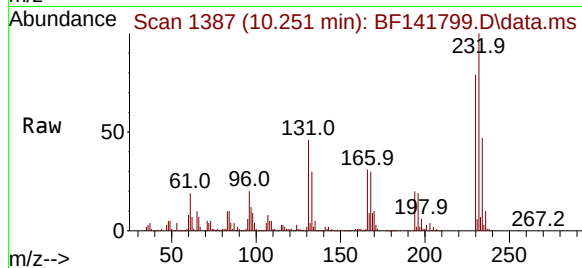




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.159 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

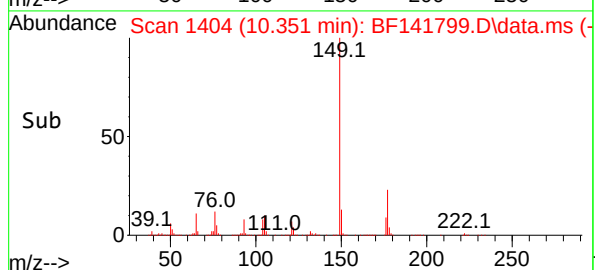
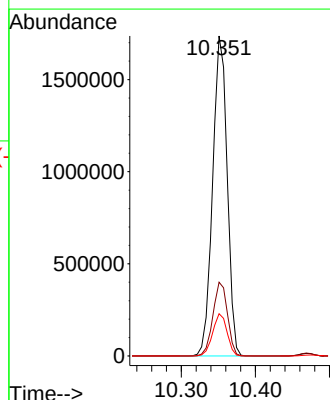
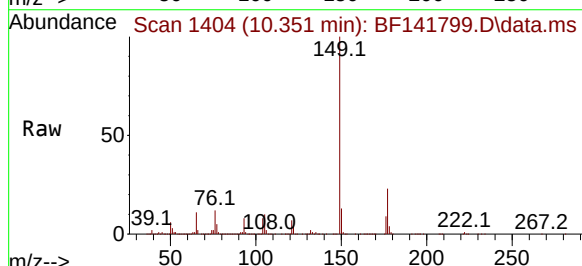
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

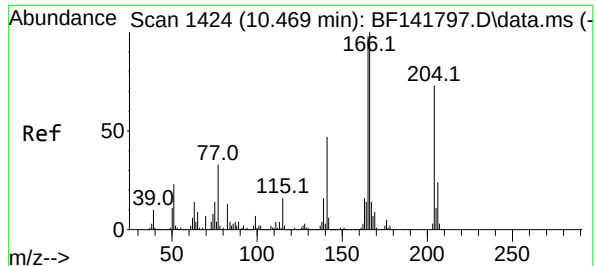
Tgt Ion:232 Resp: 596455
Ion Ratio Lower Upper
232 100
131 47.9 37.8 56.8
130 2.4 2.0 3.0
166 32.0 25.0 37.4



#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

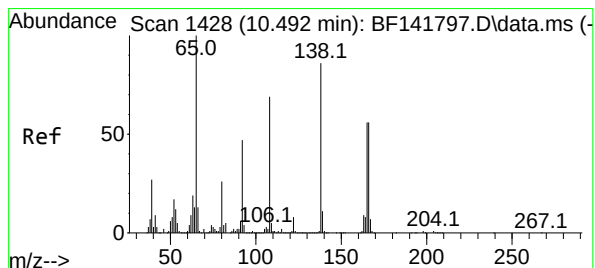
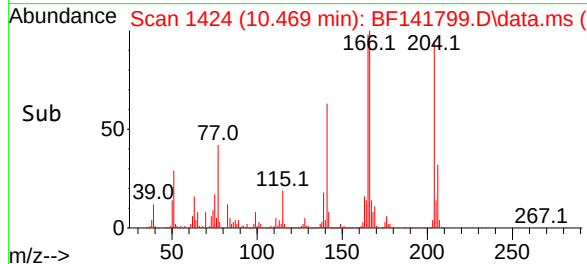
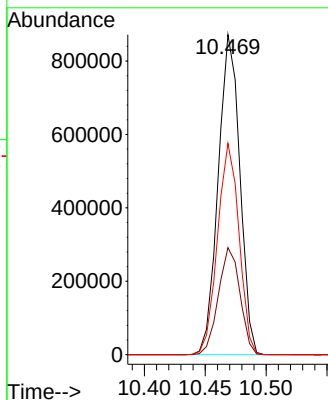
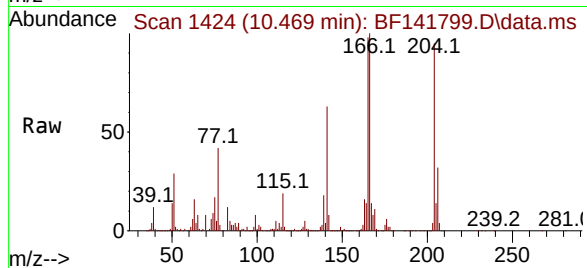




#61
4-Chlorophenyl-phenylether
Concen: 56.324 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

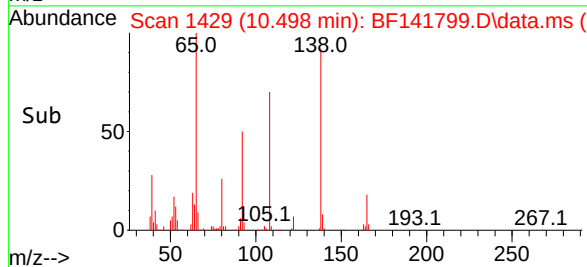
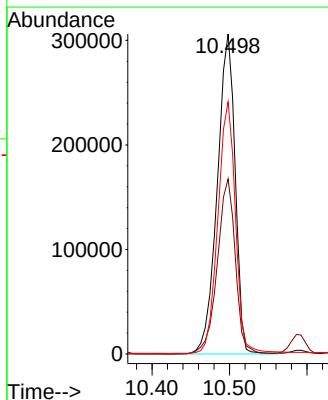
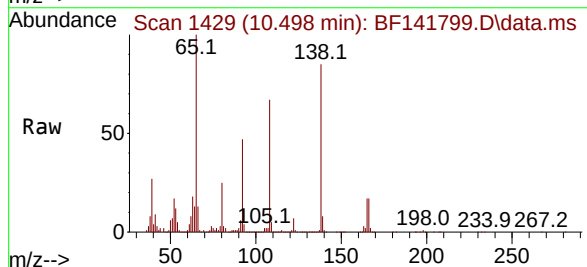
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

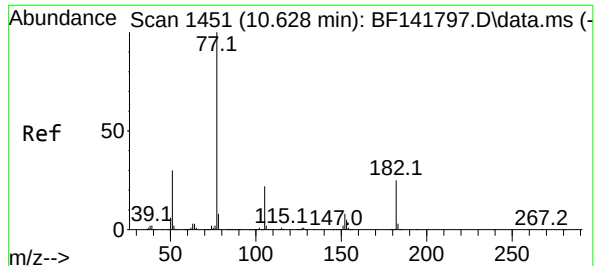
Tgt Ion:204 Resp: 1079059
Ion Ratio Lower Upper
204 100
206 33.4 26.2 39.4
141 66.0 51.7 77.5



#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

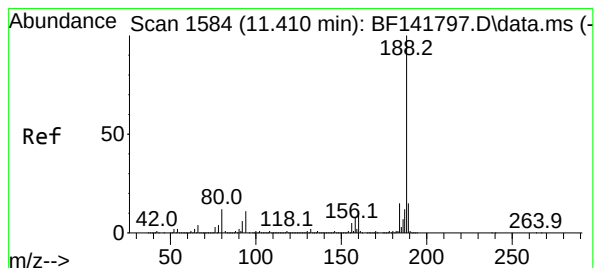
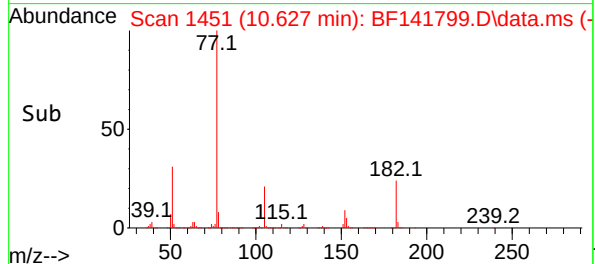
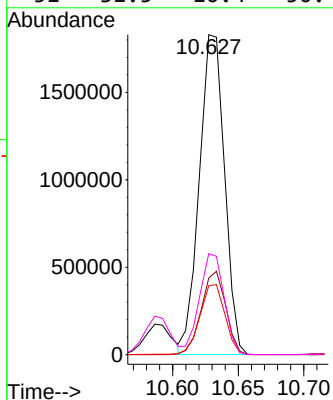
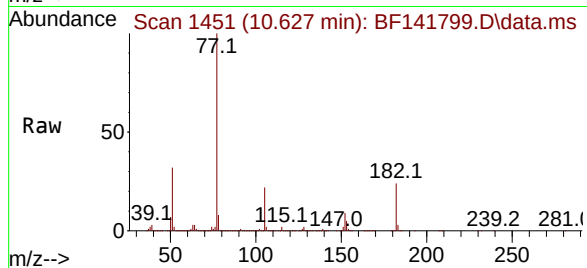




#63
Azobenzene
Concen: 56.242 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

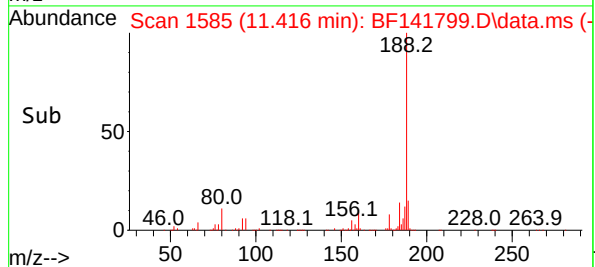
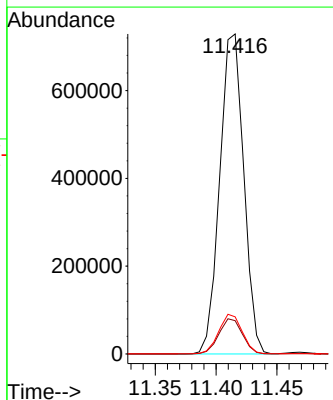
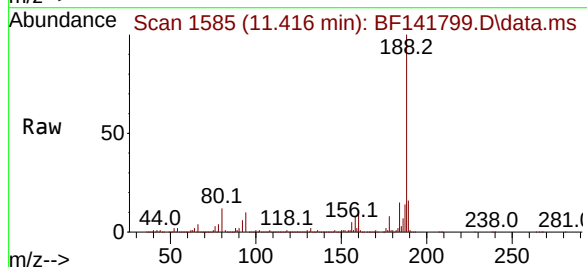
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

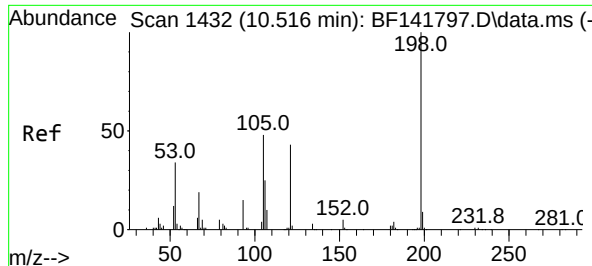
Tgt Ion: 77 Resp: 2453259
Ion Ratio Lower Upper
77 100
182 23.9 4.2 44.2
105 21.5 1.5 41.5
51 31.5 10.4 50.4



#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

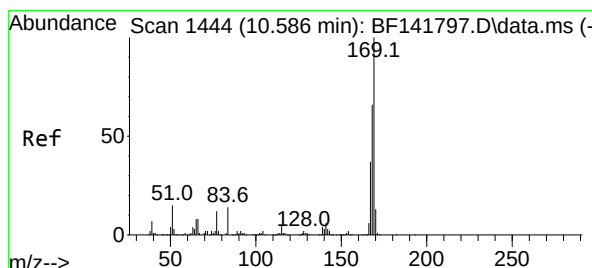
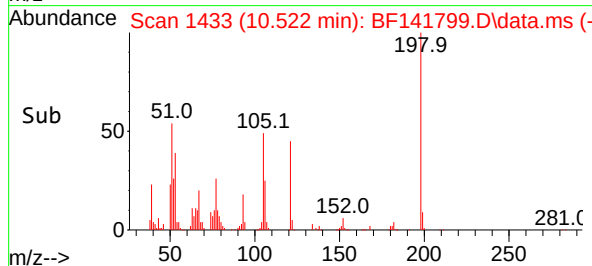
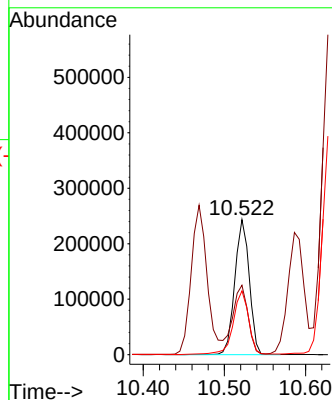
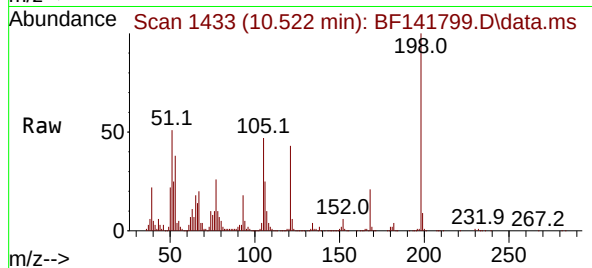
Tgt Ion:198 Resp: 300954

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

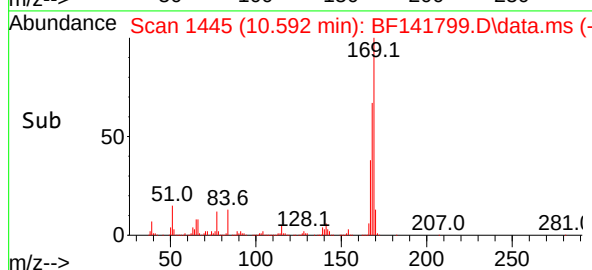
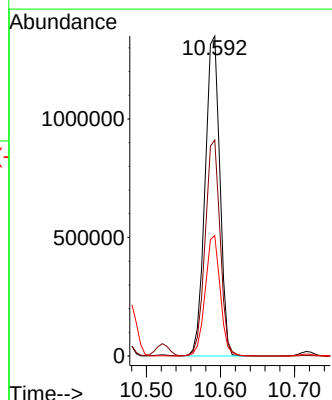
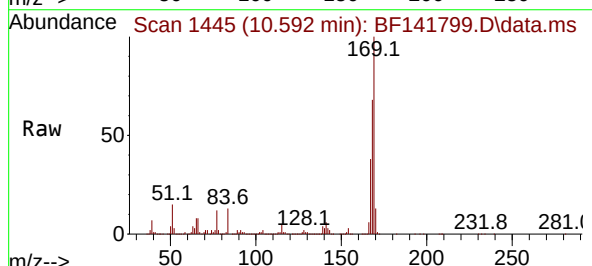
Tgt Ion:169 Resp: 1867463

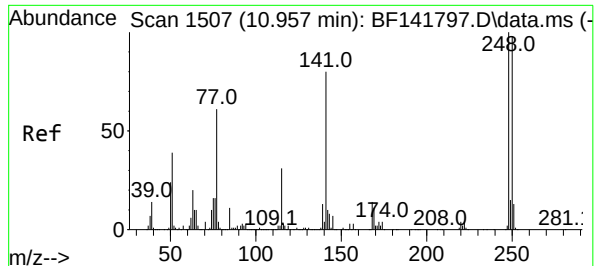
Ion Ratio Lower Upper

169 100

168 67.5 53.0 79.6

167 37.6 29.3 43.9

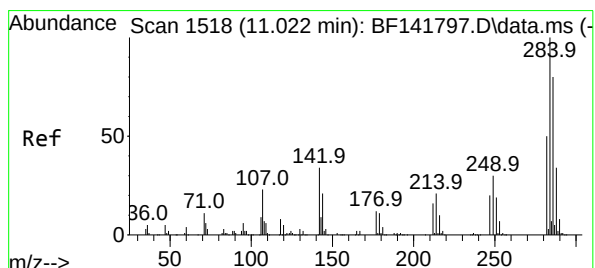
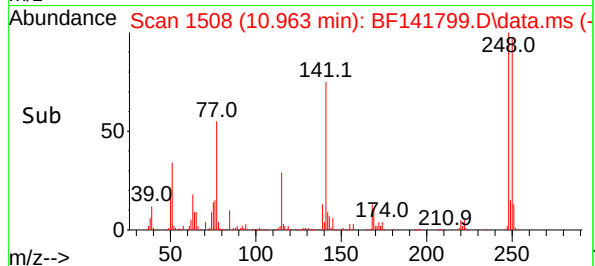
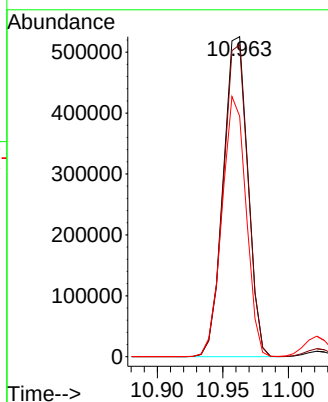
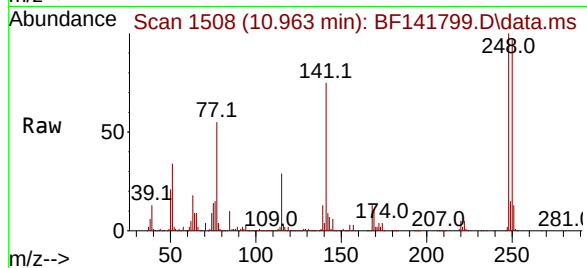




#67
4-Bromophenyl-phenylether
Concen: 59.012 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

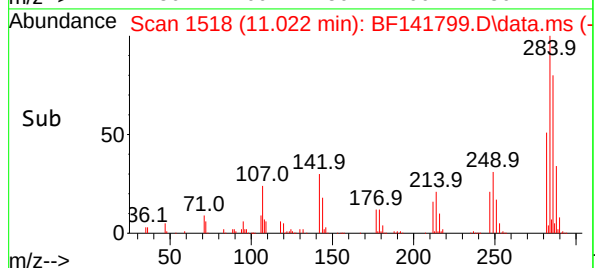
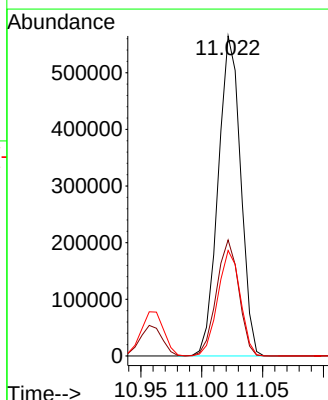
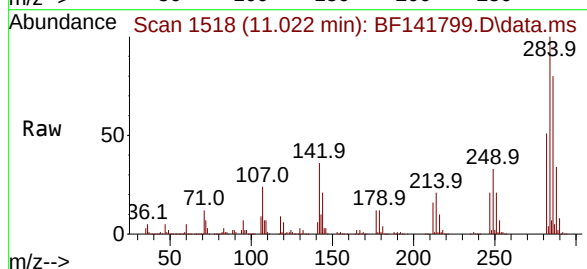
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

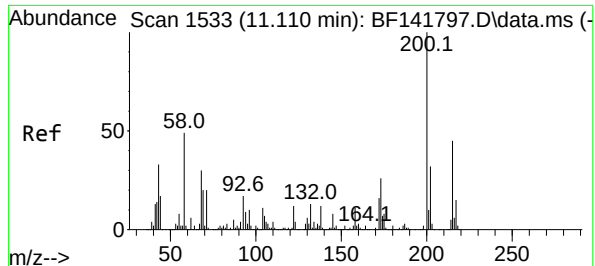
Tgt Ion:248 Resp: 688777
Ion Ratio Lower Upper
248 100
250 97.5 78.1 117.1
141 75.2 64.3 96.5



#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

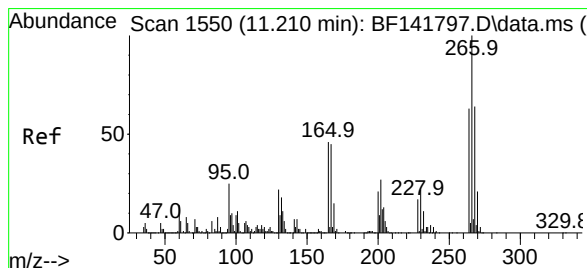
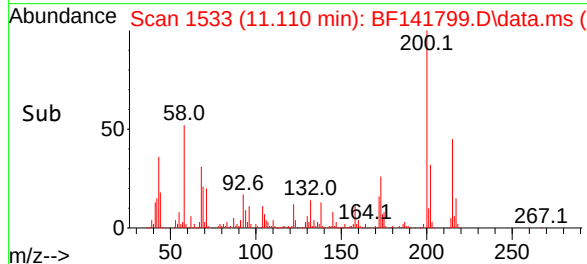
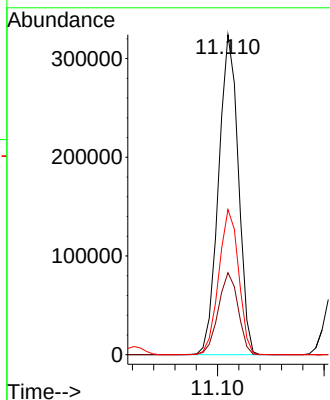
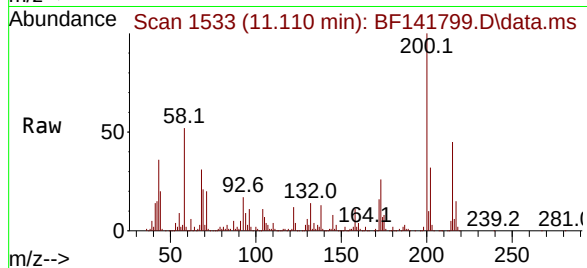




#69
Atrazine
Concen: 46.200 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

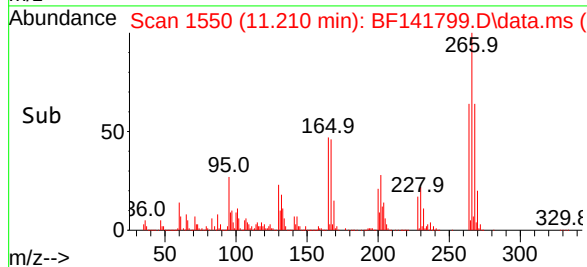
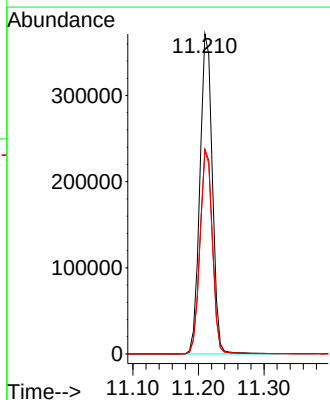
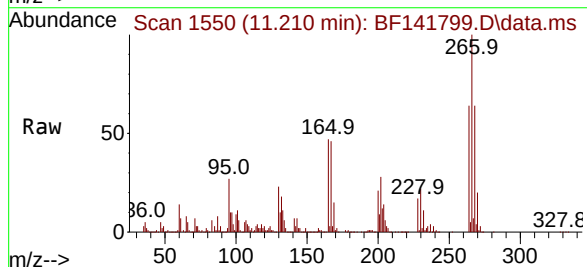
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

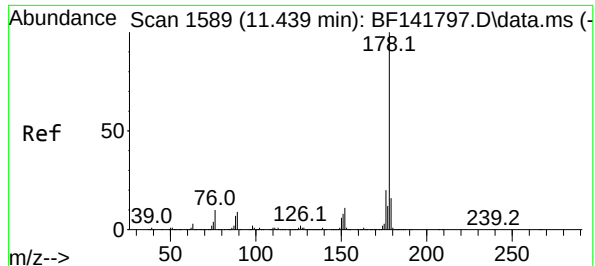
Tgt Ion:200 Resp: 416878
Ion Ratio Lower Upper
200 100
173 25.6 5.6 45.6
215 45.3 25.3 65.3



#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

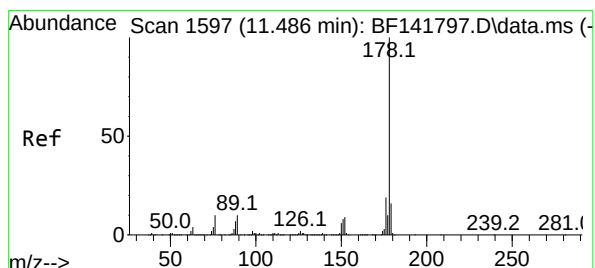
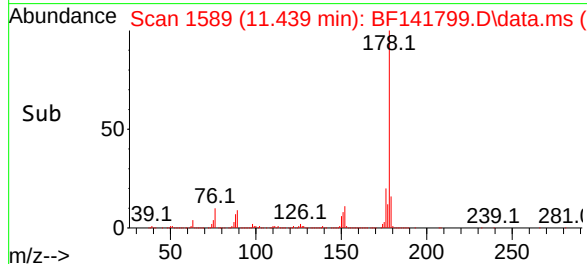
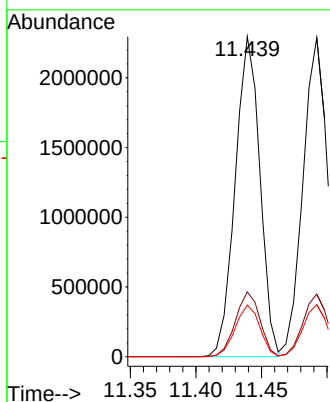
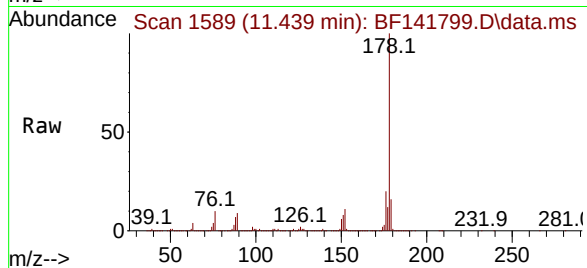




#71
Phenanthrene
Concen: 56.165 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

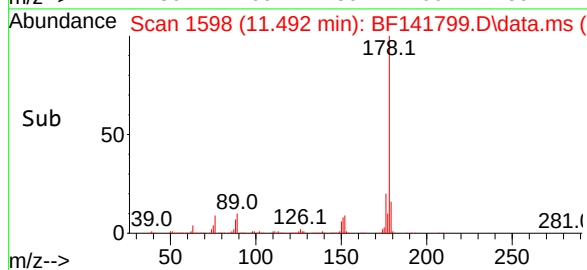
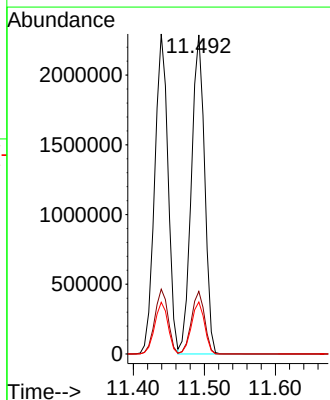
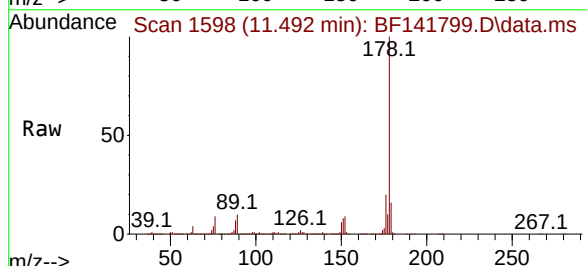
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

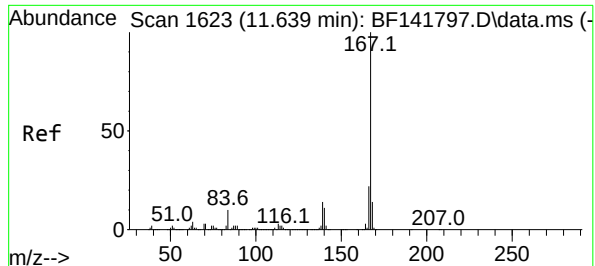
Tgt Ion:178 Resp: 3002094
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.2 12.6 19.0



#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

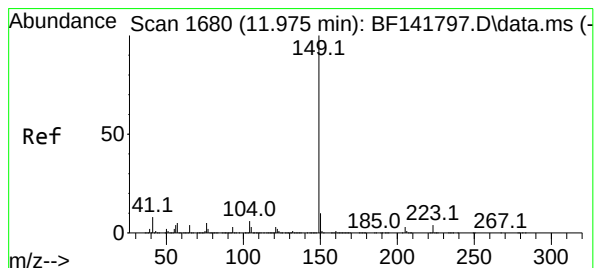
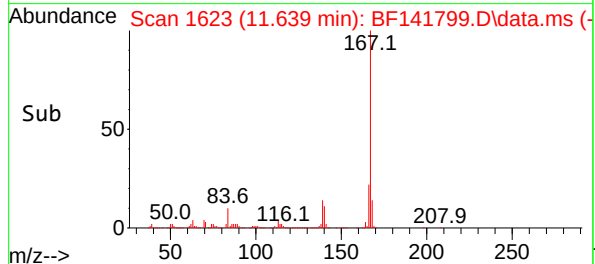
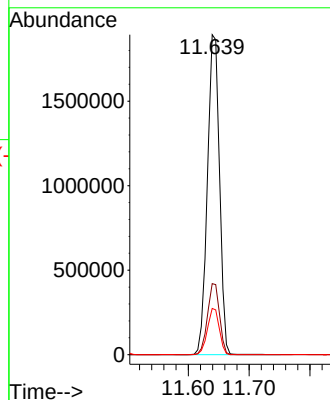
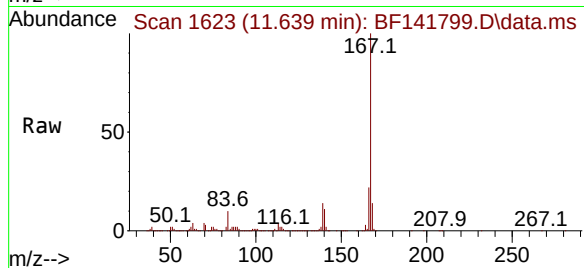




#73
Carbazole
Concen: 55.217 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

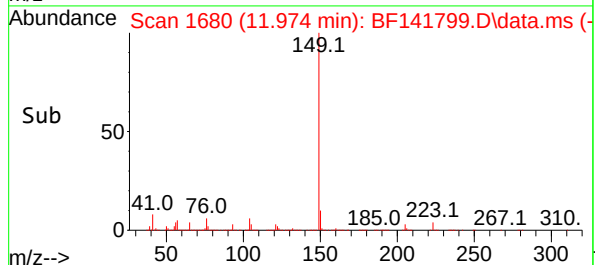
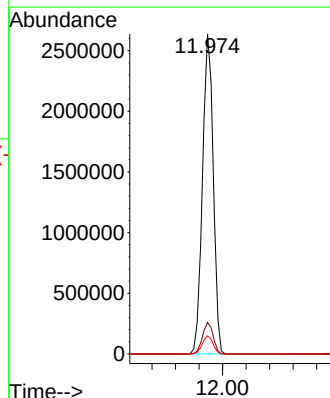
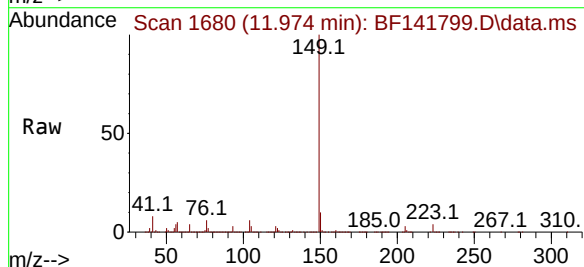
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

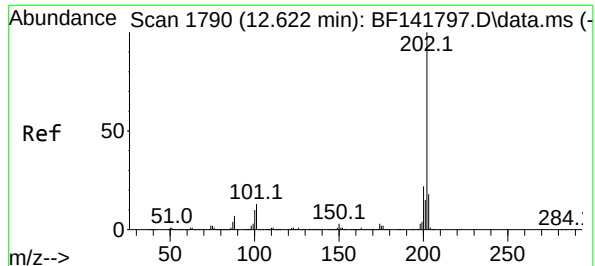
Tgt Ion:167 Resp: 2612132
Ion Ratio Lower Upper
167 100
166 22.2 17.5 26.3
139 14.5 11.3 16.9



#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

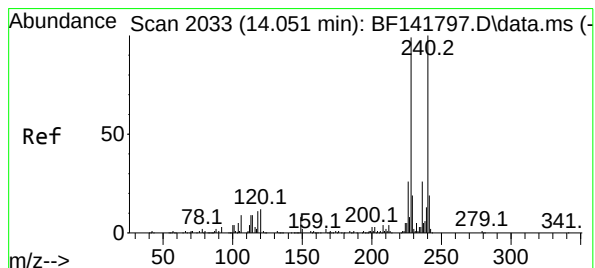
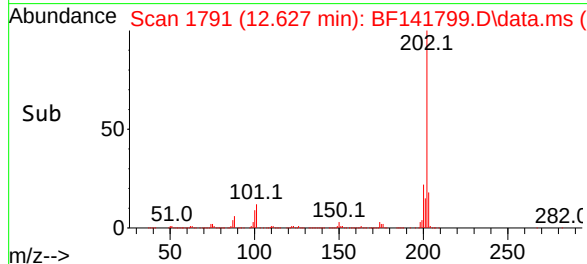
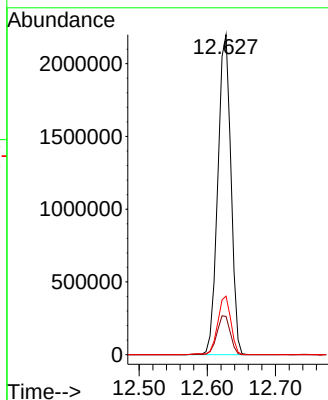
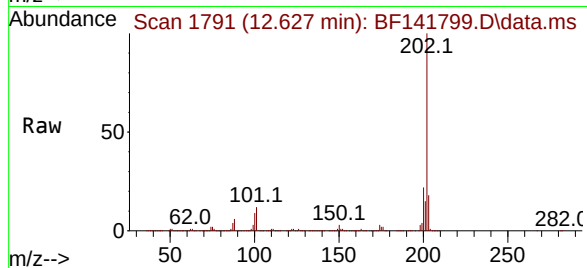




#75
Fluoranthene
Concen: 53.680 ng
RT: 12.627 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

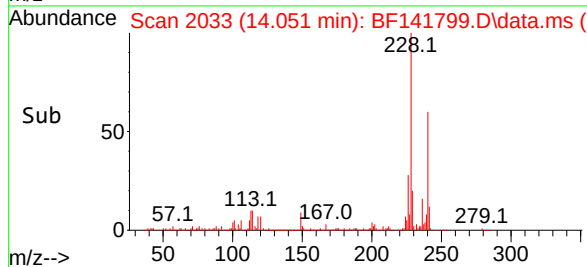
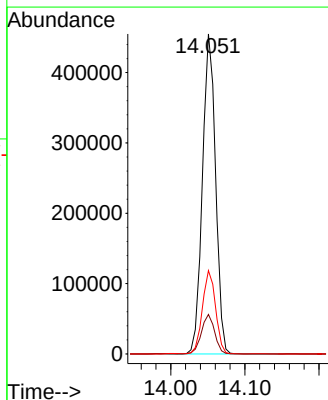
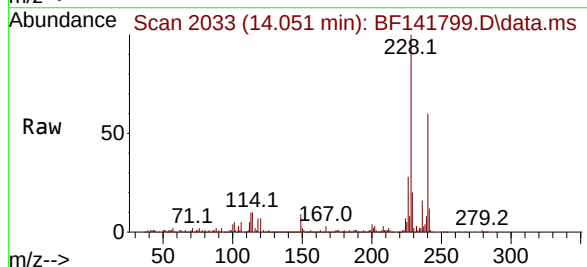
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

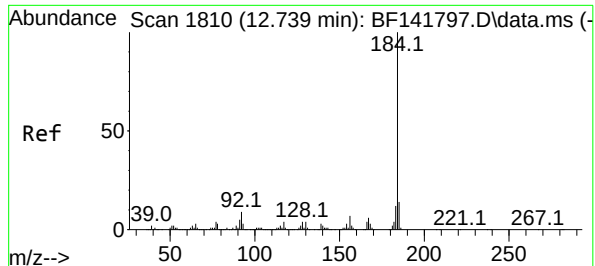
Tgt Ion:202 Resp: 2940034
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.8
203 18.3 0.0 38.0



#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

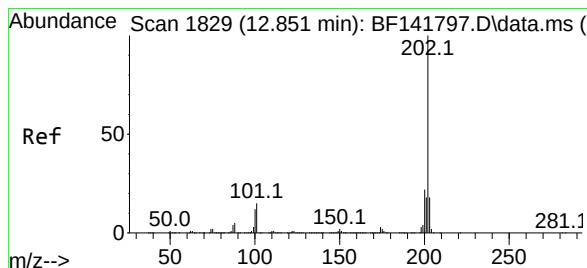
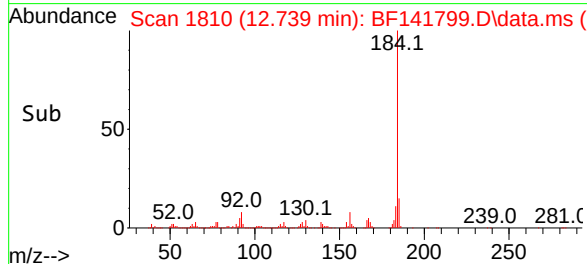
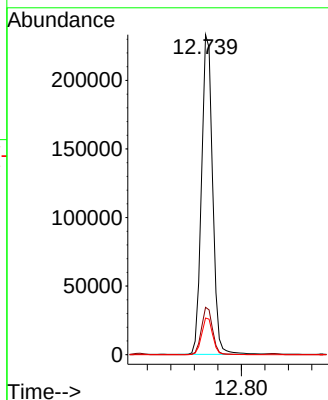
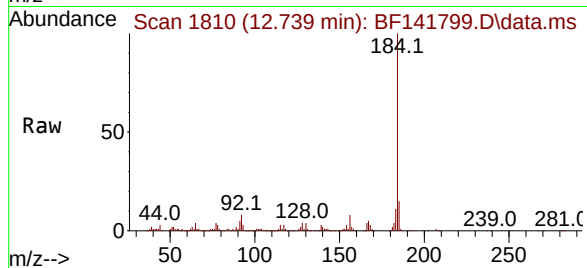




#77
Benzidine
Concen: 43.207 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

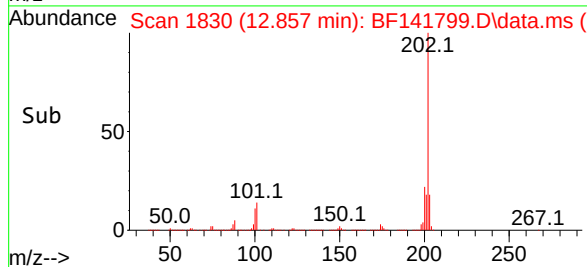
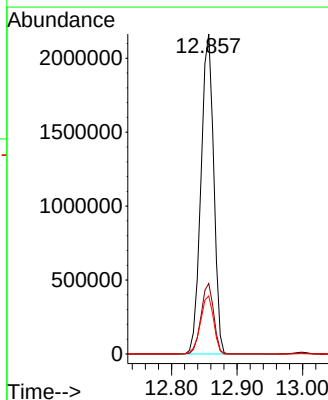
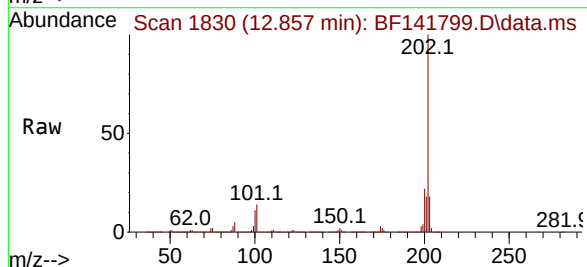
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

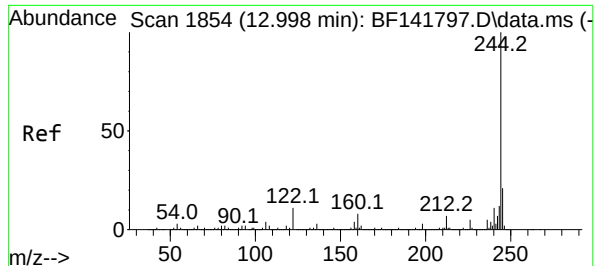
Tgt Ion:184 Resp: 306135
Ion Ratio Lower Upper
184 100
185 14.8 11.6 17.4
183 11.4 9.4 14.0



#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

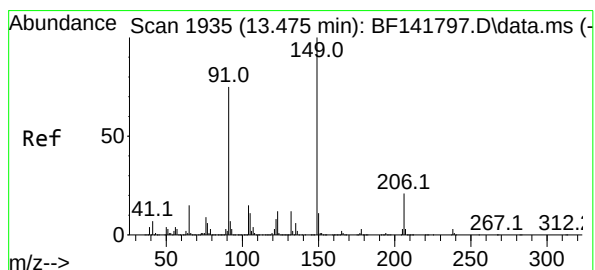
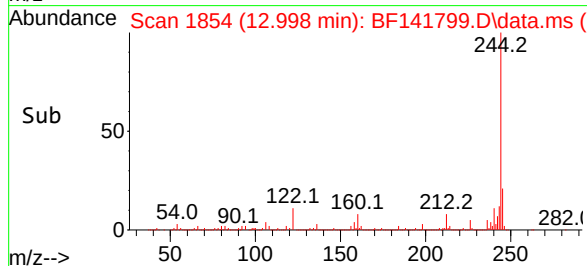
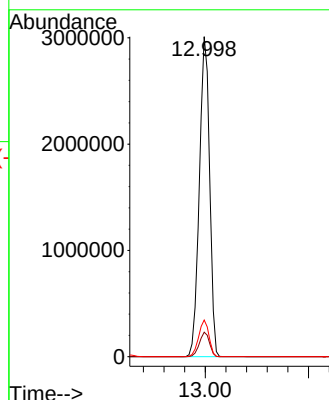
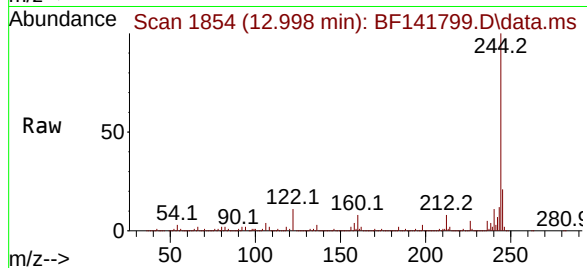
Tgt Ion:244 Resp: 4143891

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

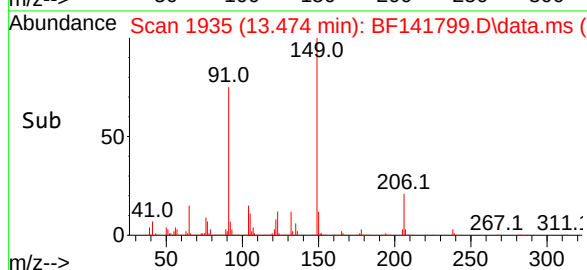
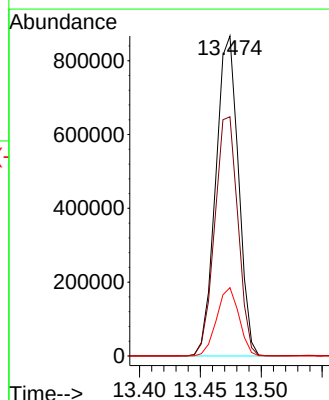
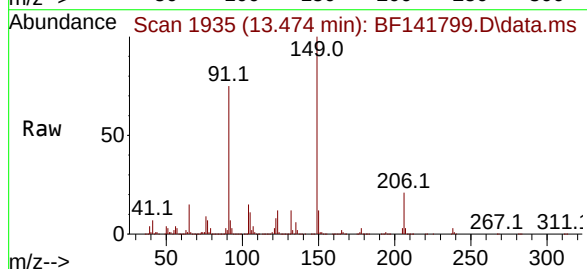
Tgt Ion:149 Resp: 1126511

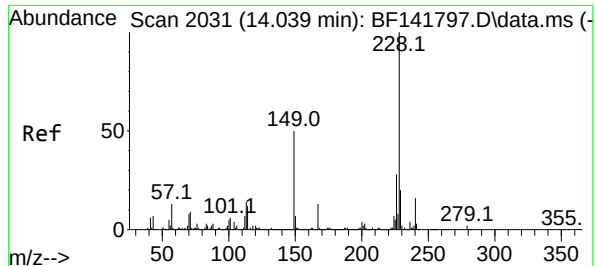
Ion Ratio Lower Upper

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

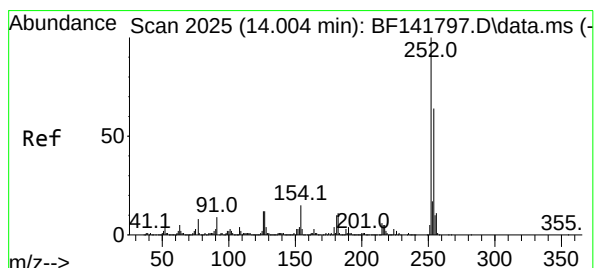
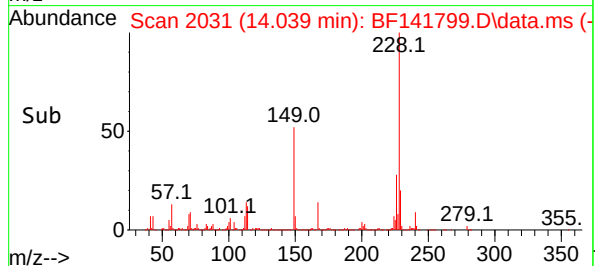
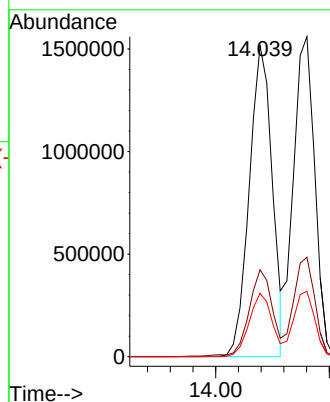
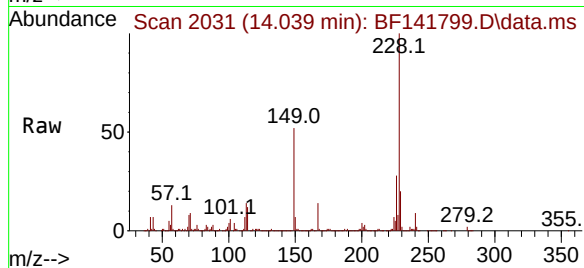
Tgt Ion:228 Resp: 2130928

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

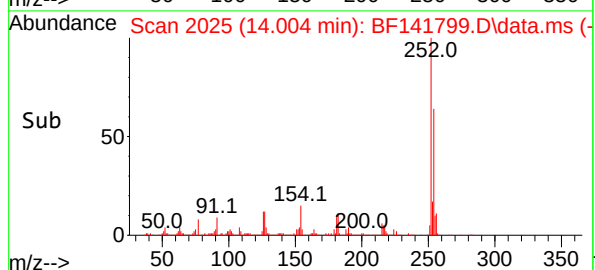
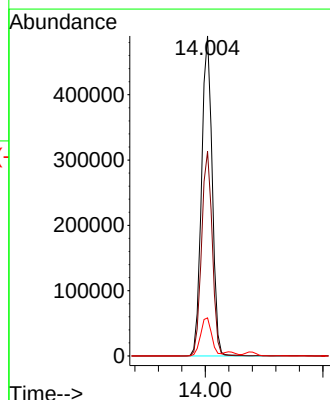
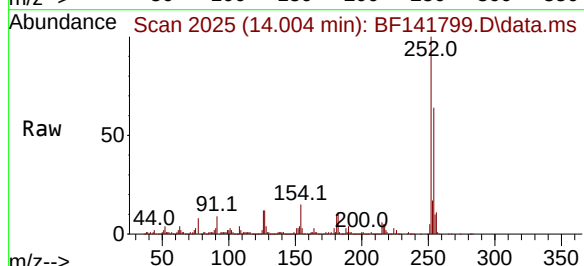
Tgt Ion:252 Resp: 614898

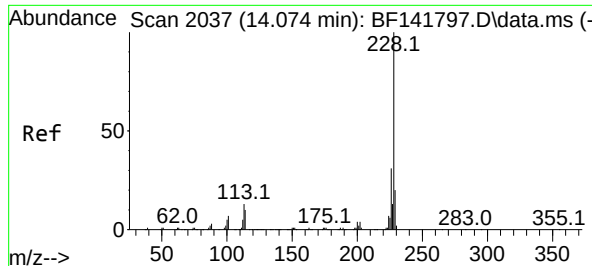
Ion Ratio Lower Upper

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# 20

Delta R.T. 0.006 min

Lab File: BF141799.D

Acq: 27 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

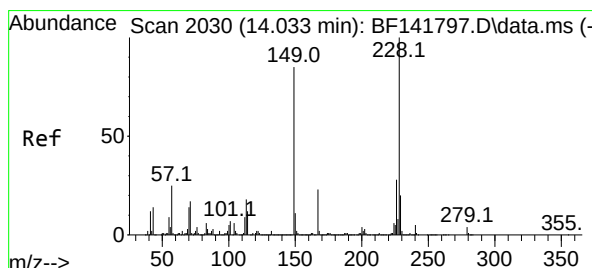
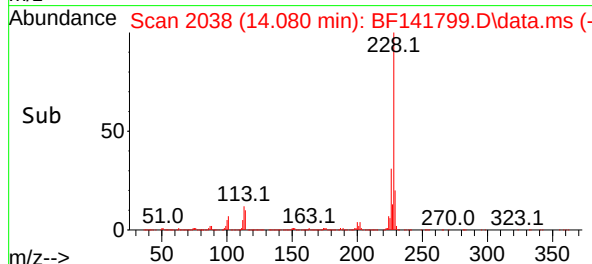
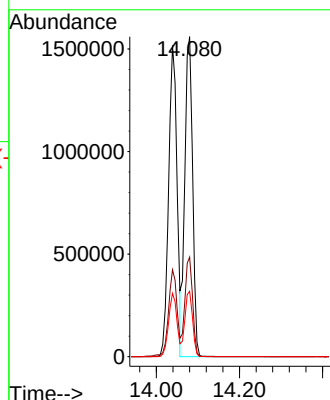
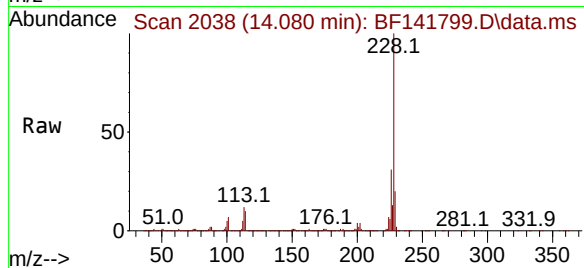
Tgt Ion:228 Resp: 2040957

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

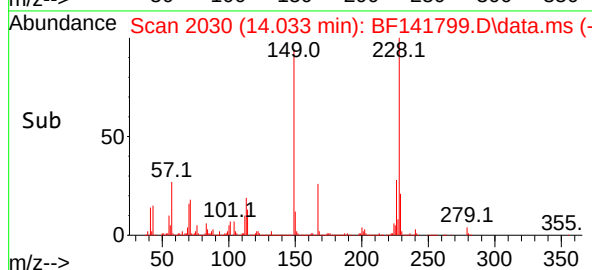
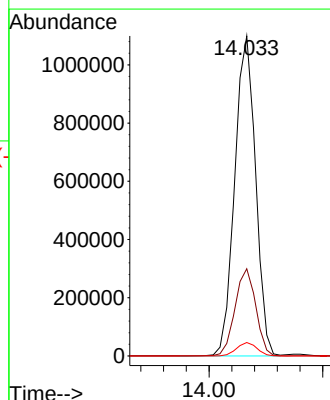
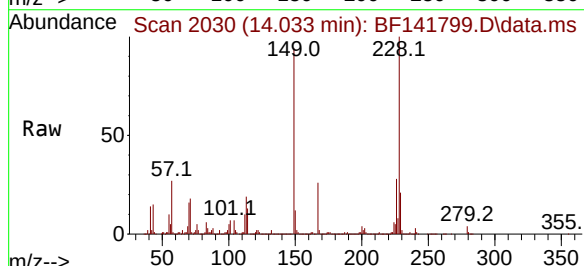
Tgt Ion:149 Resp: 1398602

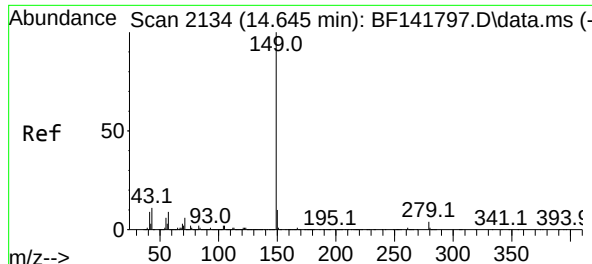
Ion Ratio Lower Upper

149 100

167 27.2 21.2 31.8

279 4.2 3.3 4.9

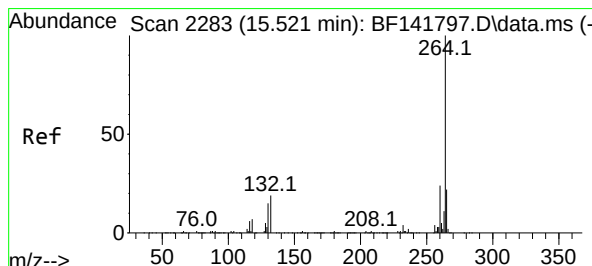
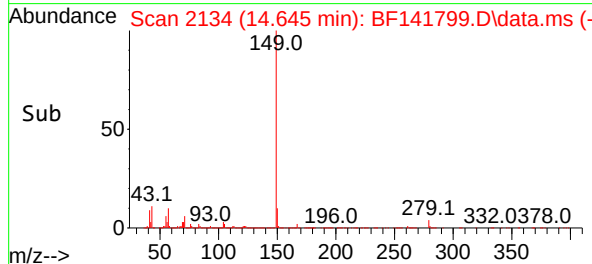
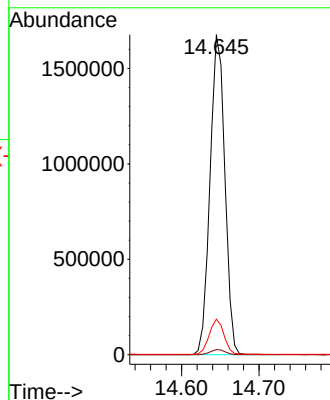
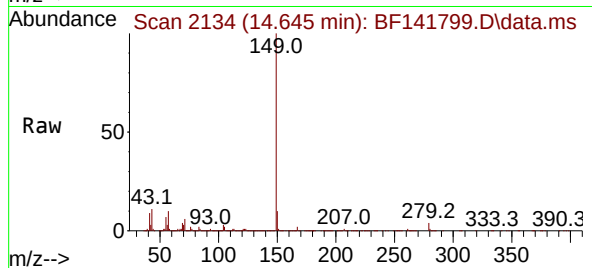




#85
Di-n-octyl phthalate
Concen: 67.411 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

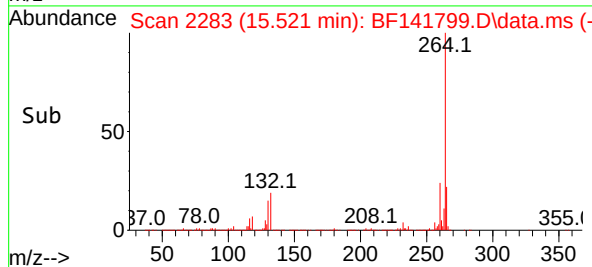
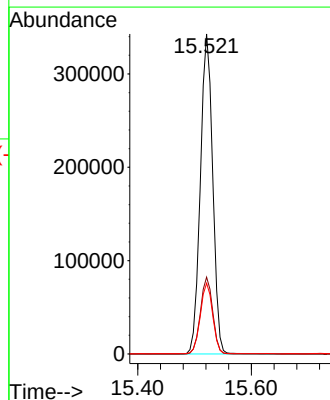
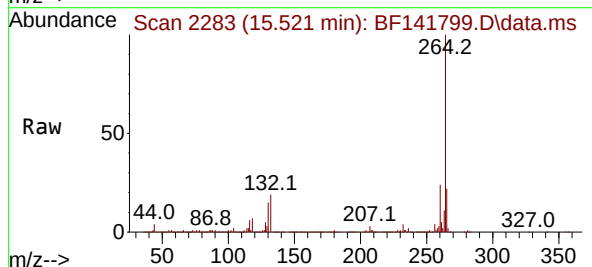
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

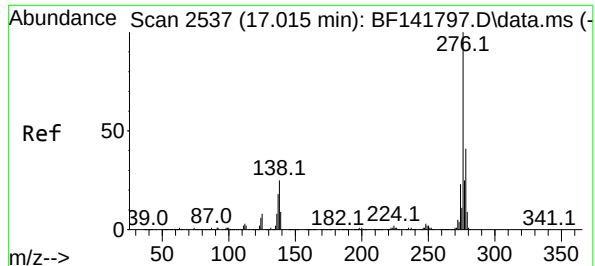
Tgt Ion:149 Resp: 2225625
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.0 8.6 12.8



#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

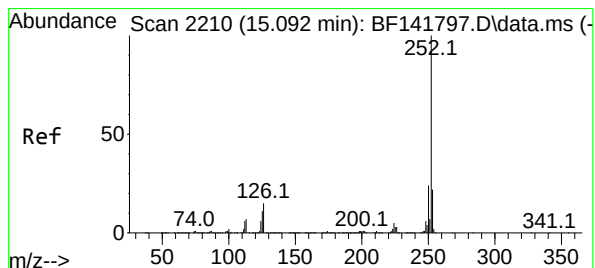
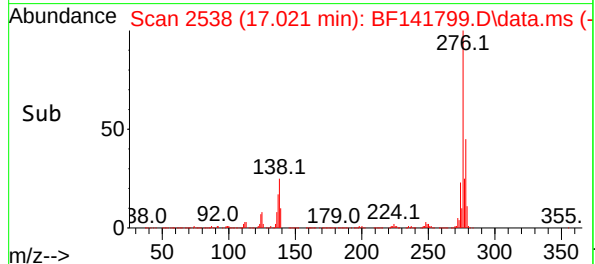
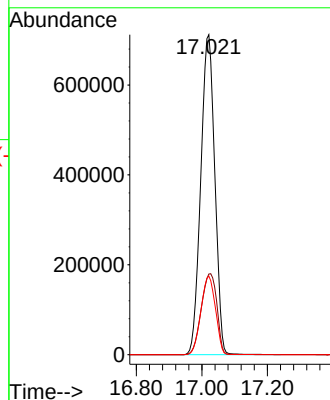
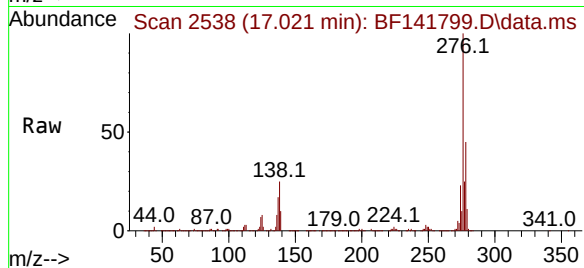




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.589 ng
RT: 17.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

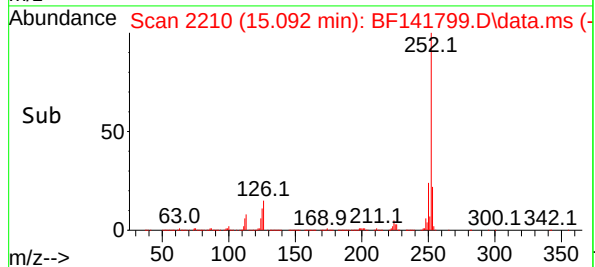
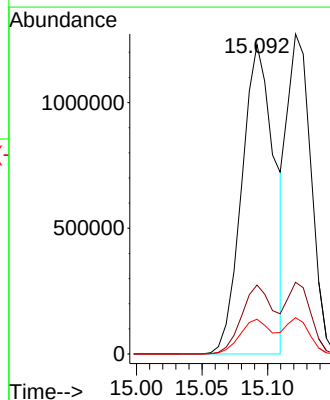
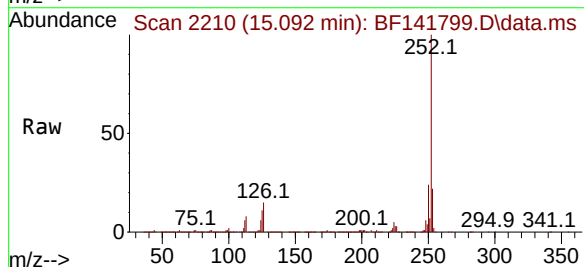
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

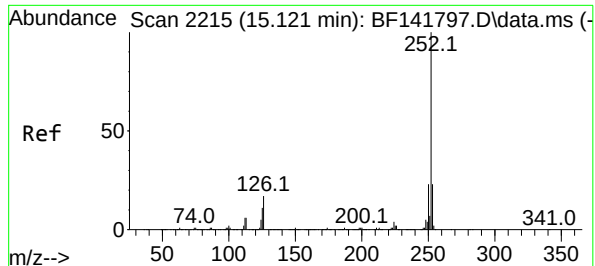
Tgt Ion:276 Resp: 2127125
Ion Ratio Lower Upper
276 100
138 28.0 22.5 33.7
277 25.4 20.3 30.5



#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 :

SSTDICC060

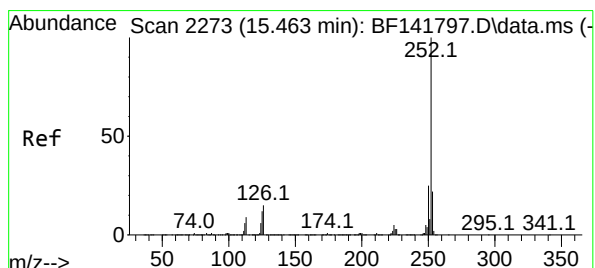
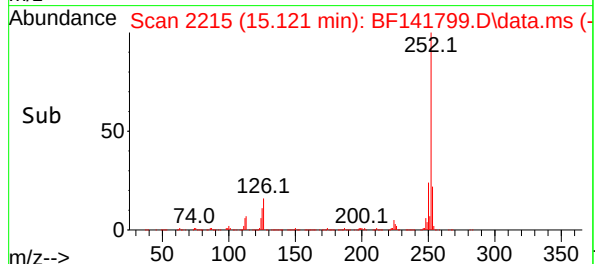
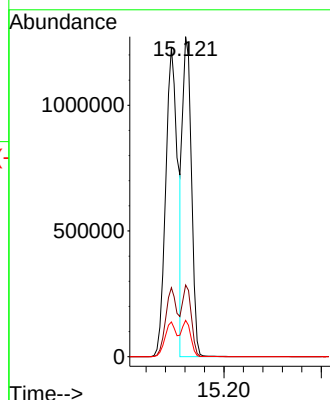
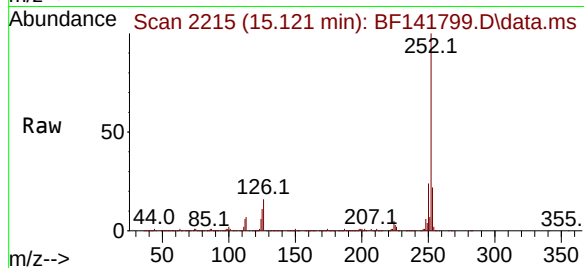
Tgt Ion:252 Resp: 1614240

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

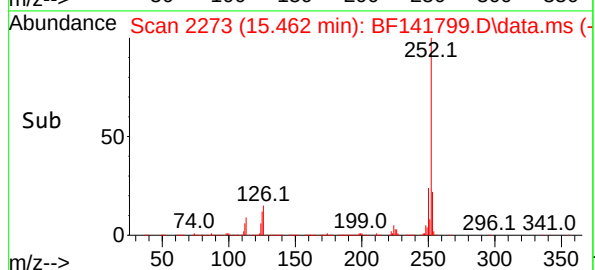
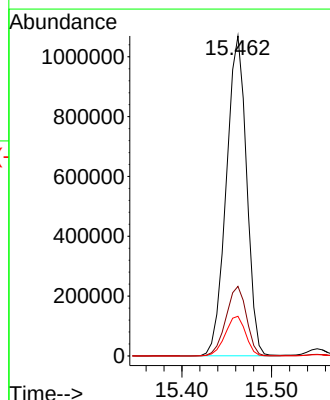
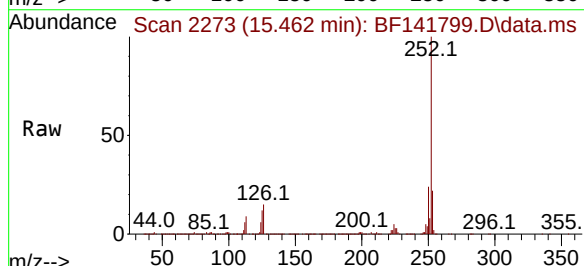
Tgt Ion:252 Resp: 1676196

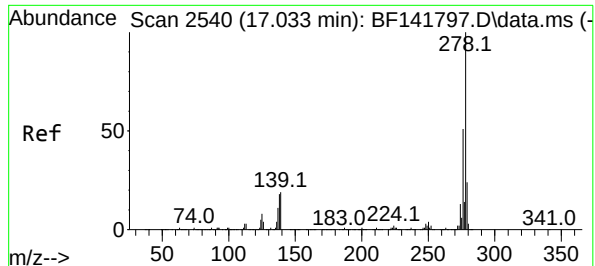
Ion Ratio Lower Upper

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

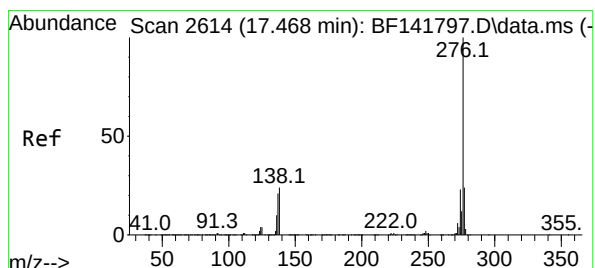
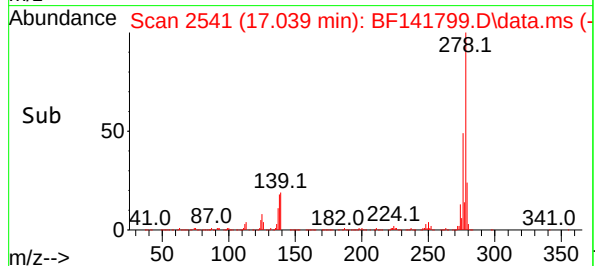
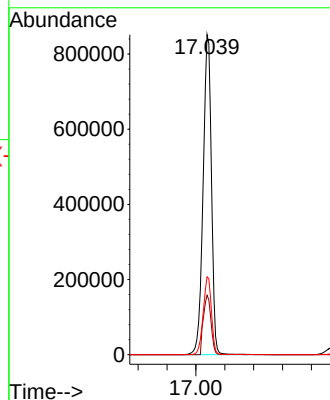
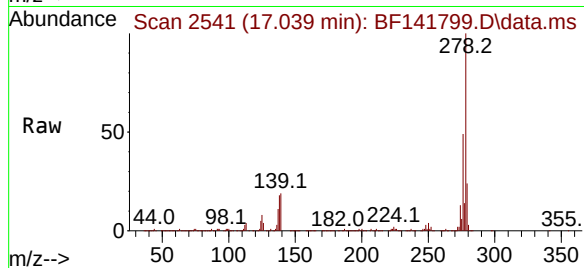
Tgt Ion:278 Resp: 1708189

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

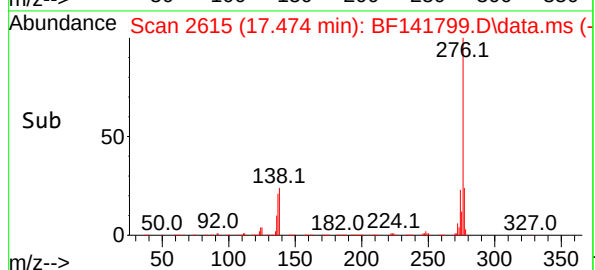
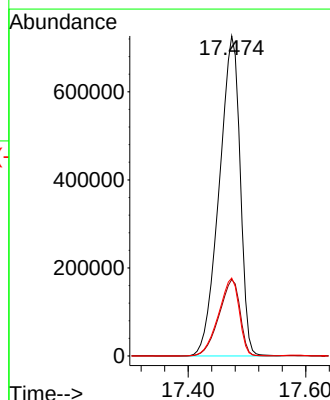
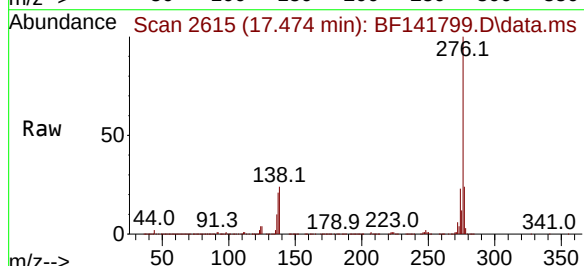
Tgt Ion:276 Resp: 1792957

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

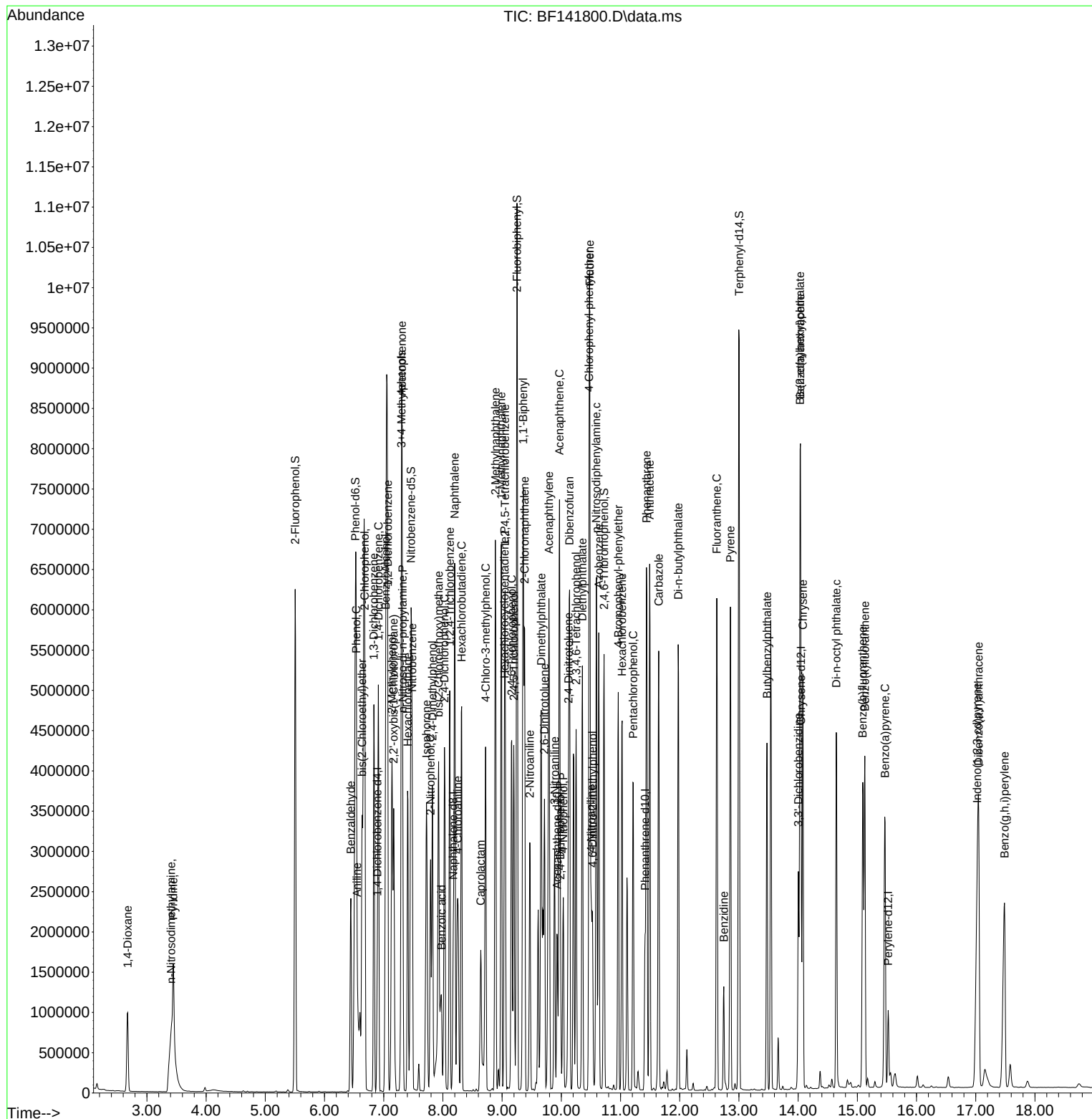
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Data File : BF141800.D  
Acq On    : 27 Feb 2025  18:45  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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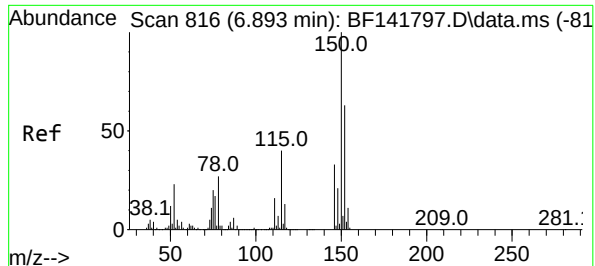
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

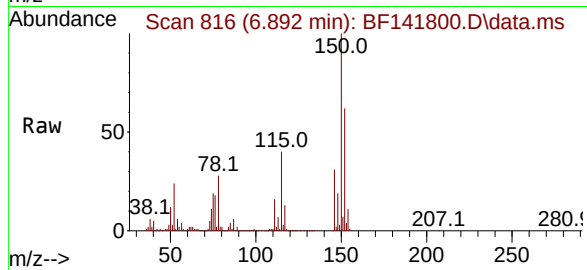
Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration





#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

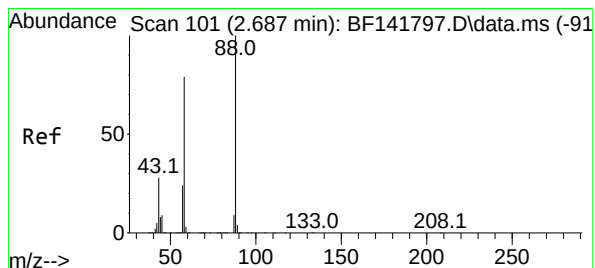
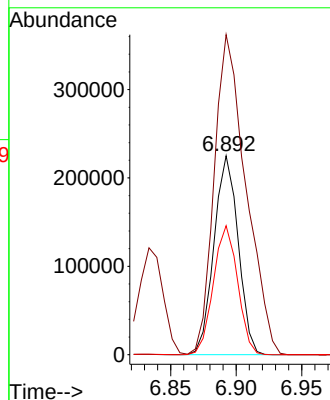
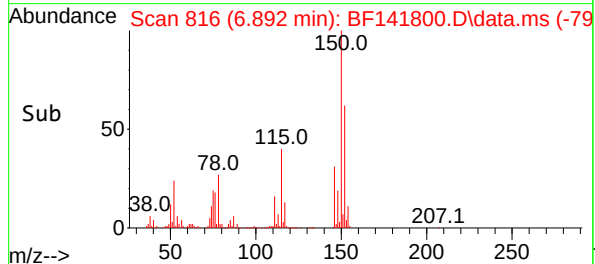
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

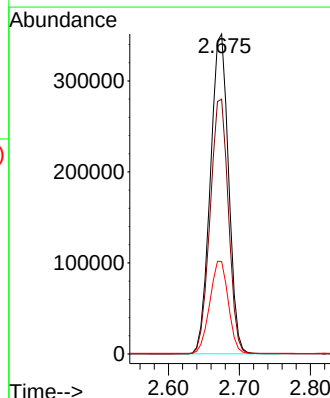
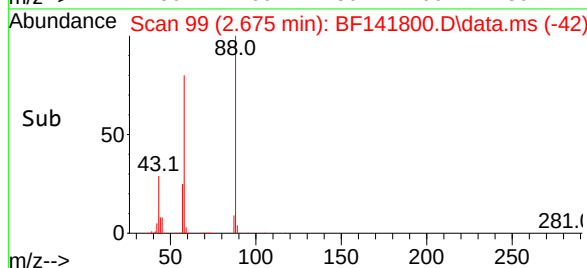
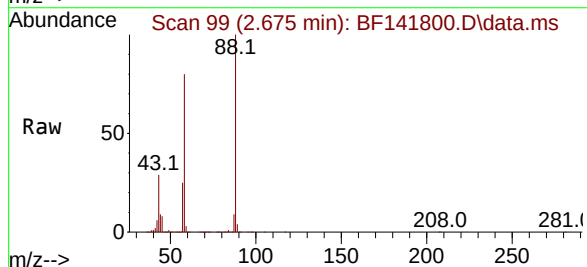
Manual Integrations
APPROVED

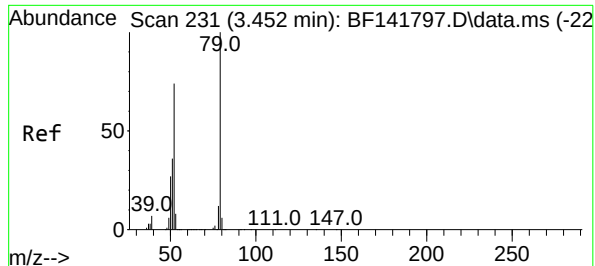
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

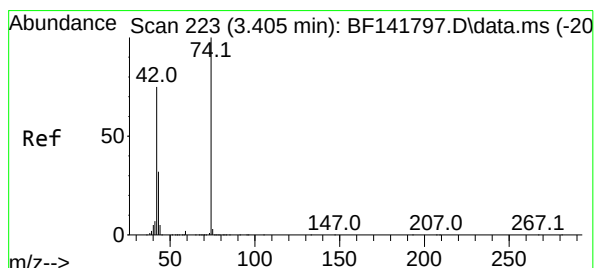
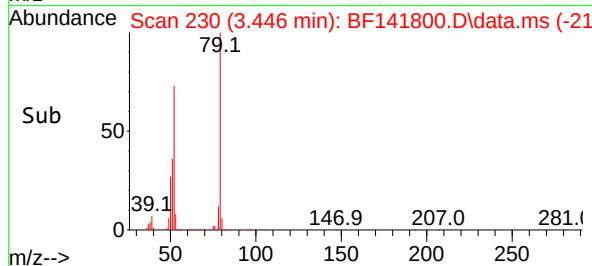
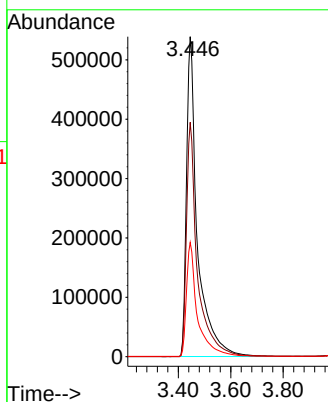
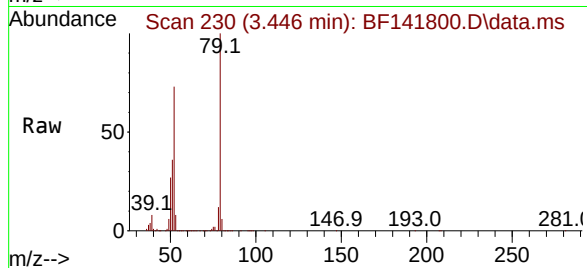
51 35.7 29.0 43.4

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

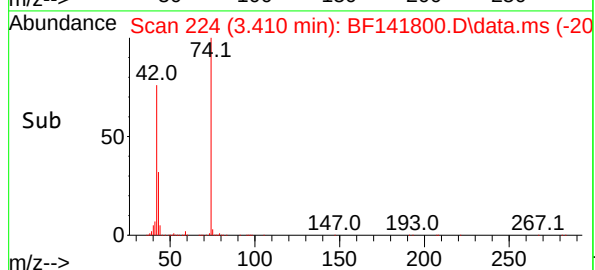
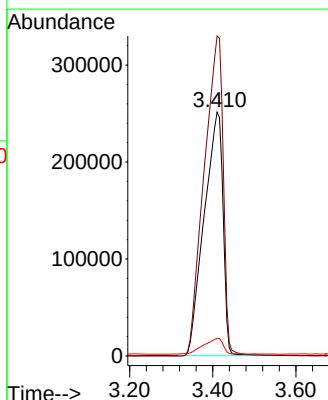
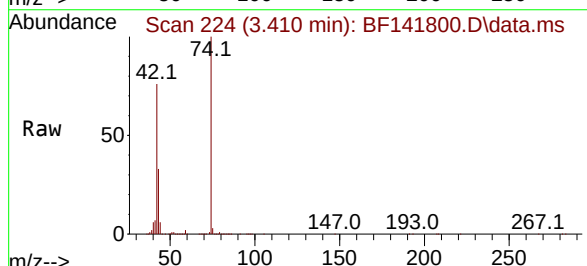
Tgt Ion: 42 Resp: 788941

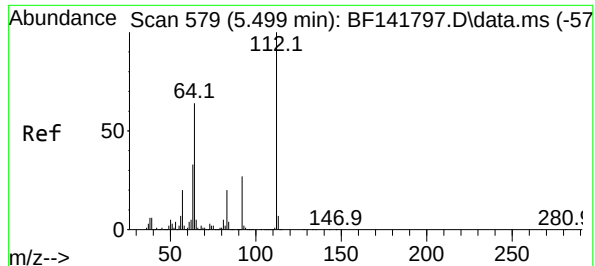
Ion Ratio Lower Upper

42 100

74 131.2 107.1 160.7

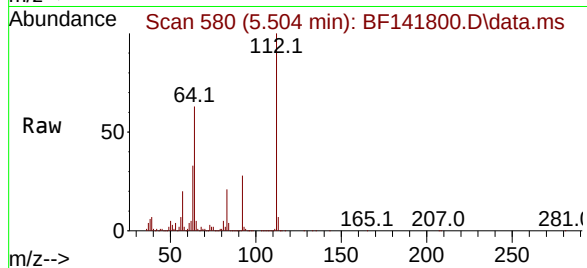
44 7.2 6.6 9.8





#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

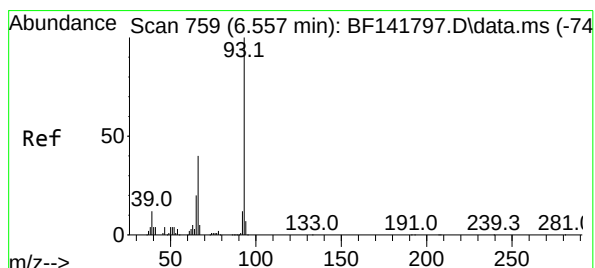
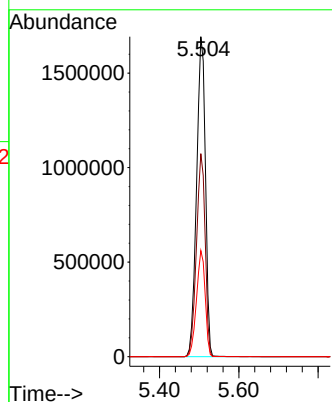
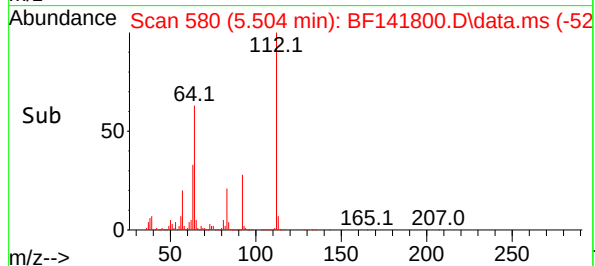
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

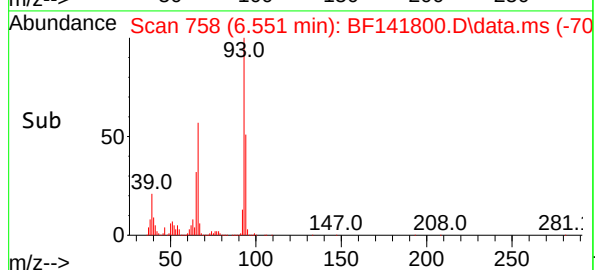
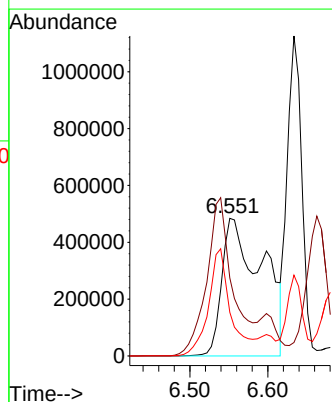
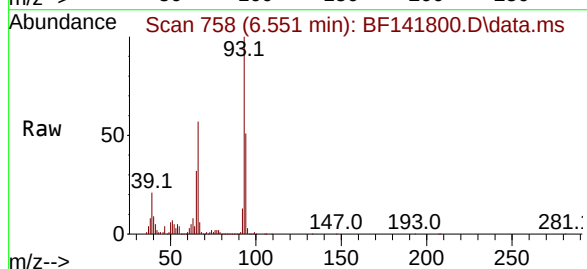
Manual Integrations
APPROVED

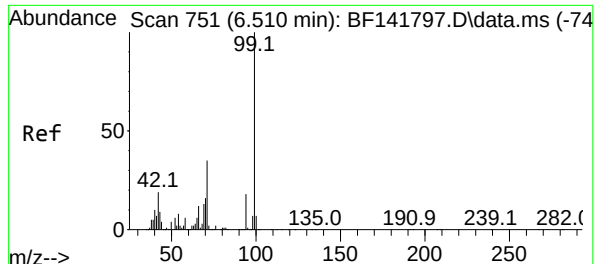
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

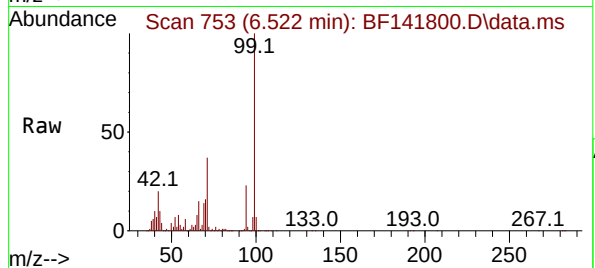
Tgt Ion: 93 Resp: 1743358
Ion Ratio Lower Upper
93 100
66 56.8 32.3 48.5#
65 31.8 15.9 23.9#





#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

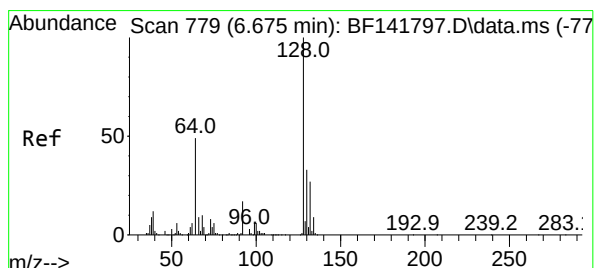
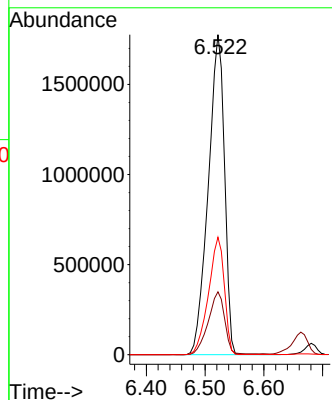
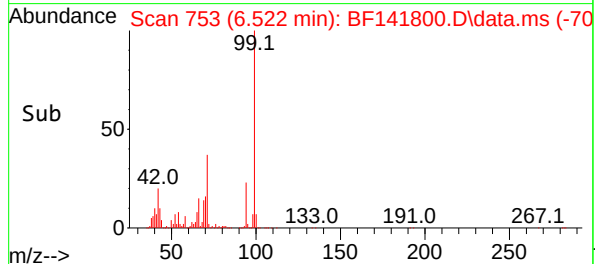
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

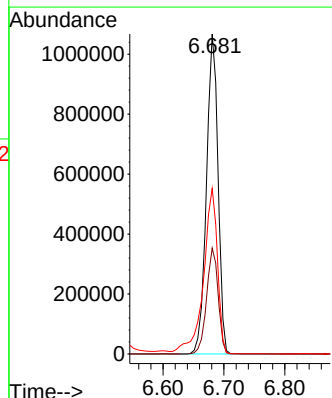
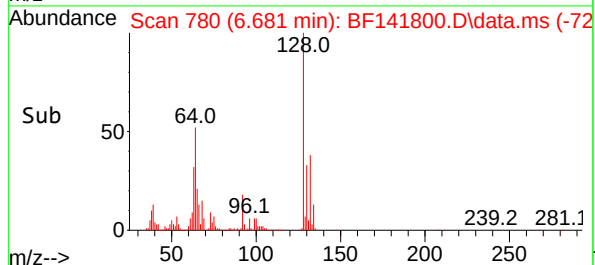
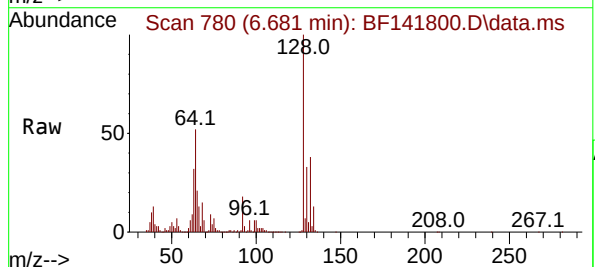
Manual Integrations
APPROVED

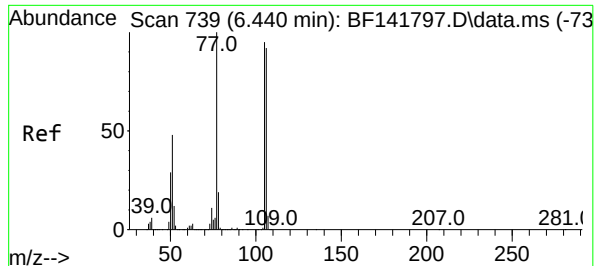
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

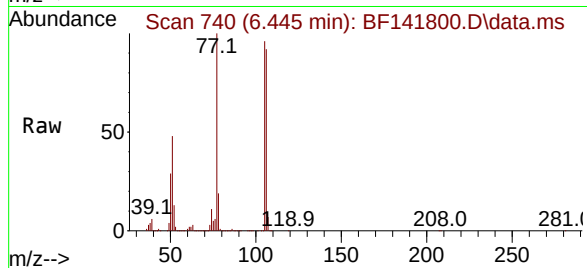
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion: 77 Resp: 801799

Ion Ratio Lower Upper

77 100

105 95.9 75.3 115.3

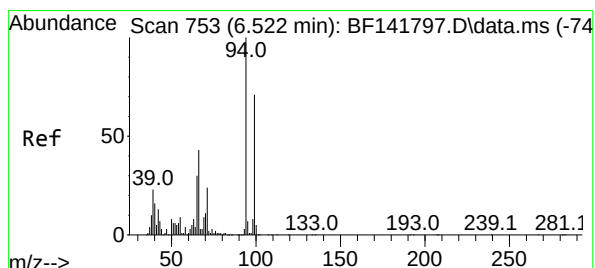
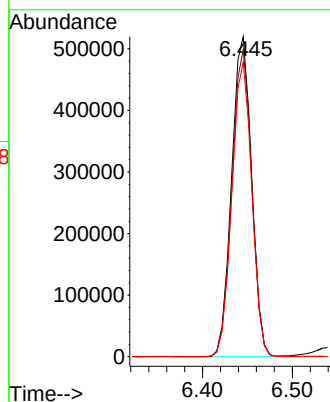
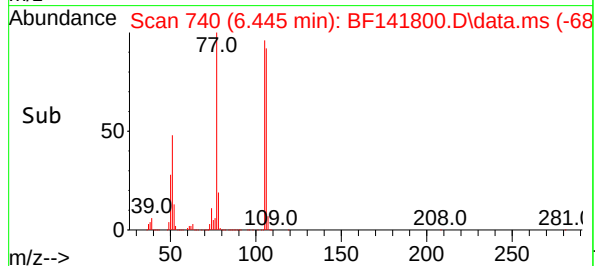
106 92.1 72.3 112.3

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

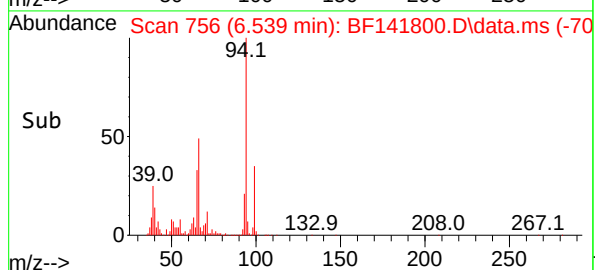
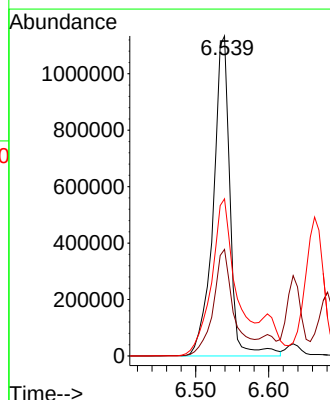
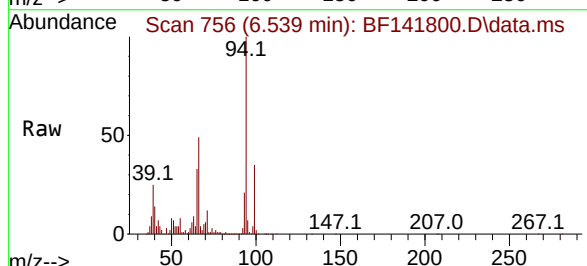
Tgt Ion: 94 Resp: 1807328

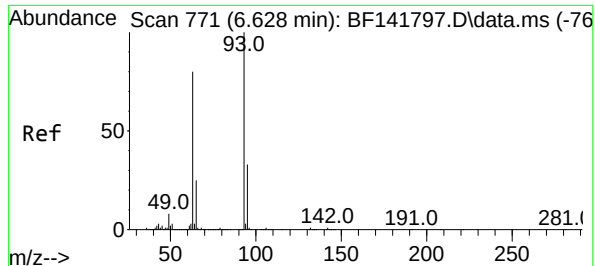
Ion Ratio Lower Upper

94 100

65 33.3 10.2 50.2

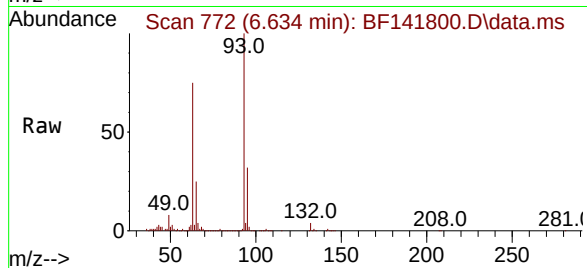
66 49.1 23.2 63.2





#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

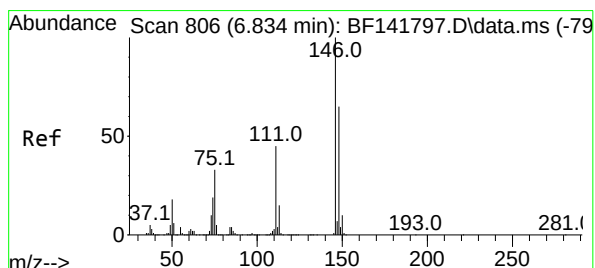
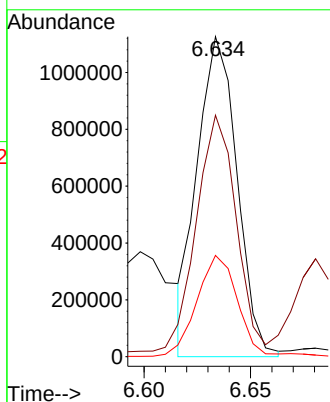
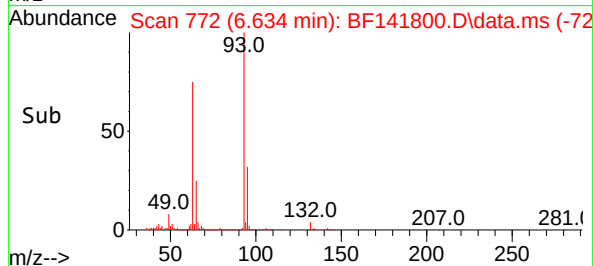
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

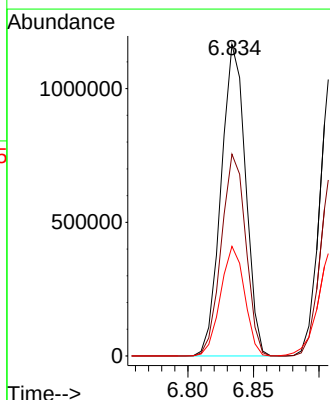
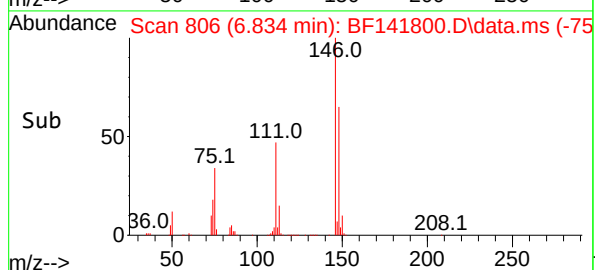
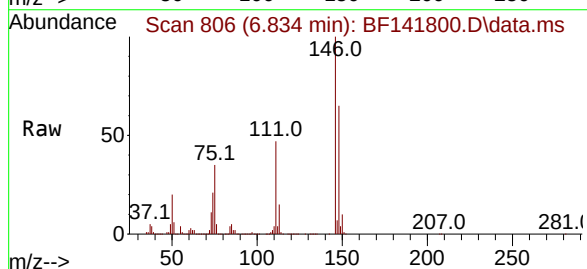
Manual Integrations
APPROVED

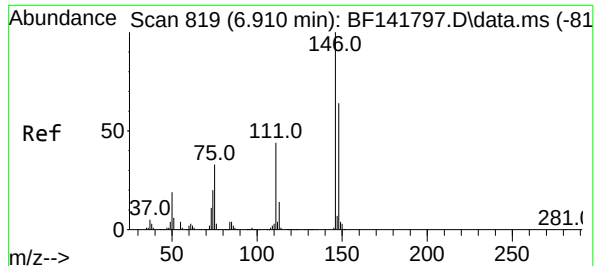
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

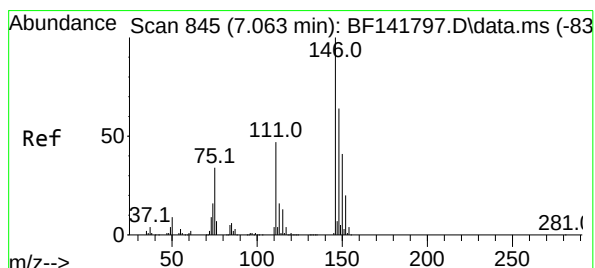
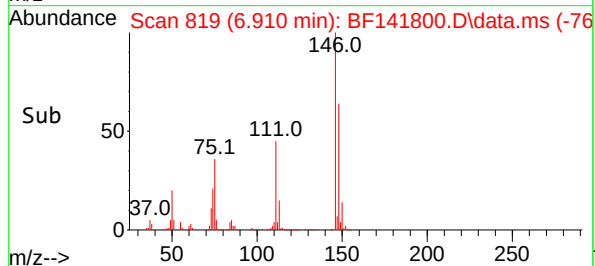
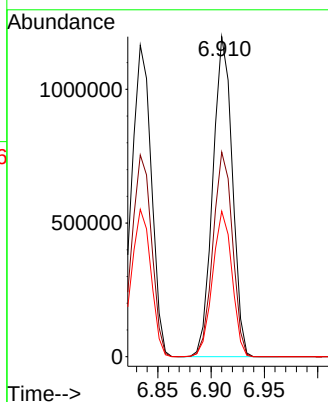
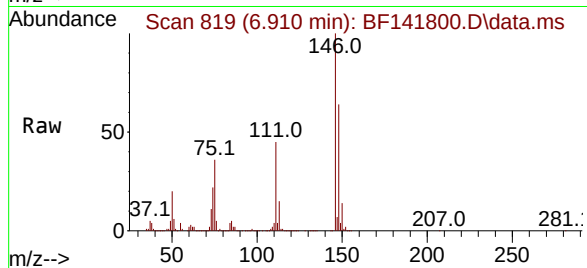
111 45.5 35.5 53.3

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

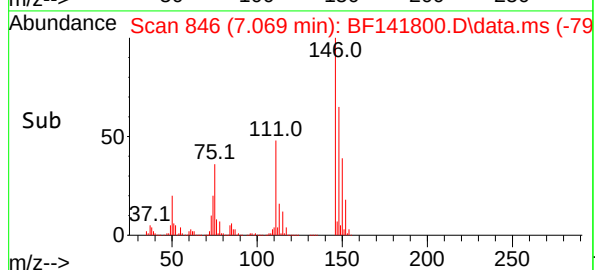
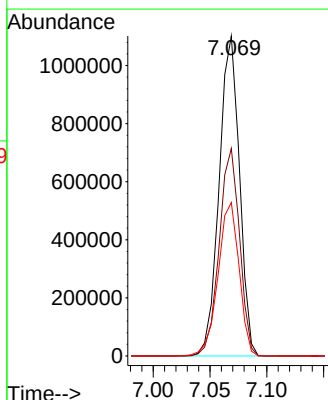
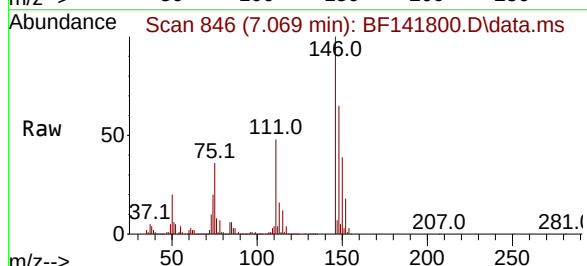
Tgt Ion:146 Resp: 1370457

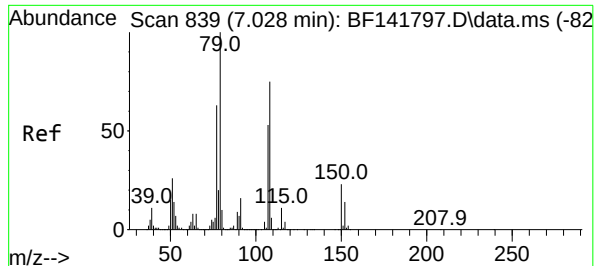
Ion Ratio Lower Upper

146 100

148 64.9 51.2 76.8

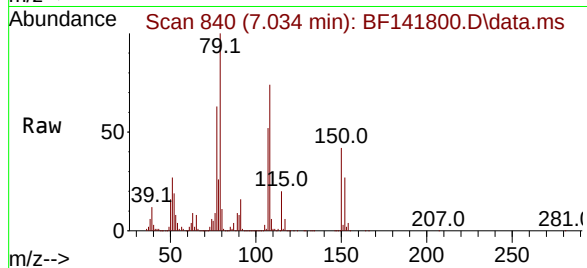
111 48.0 37.8 56.6





#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

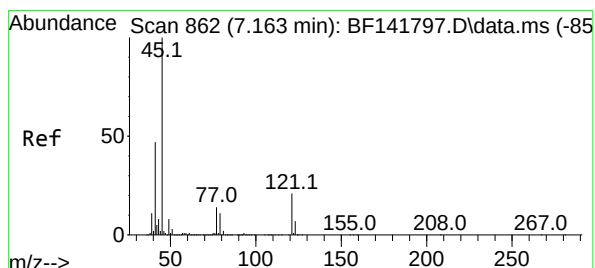
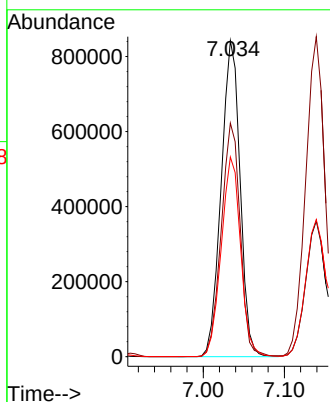
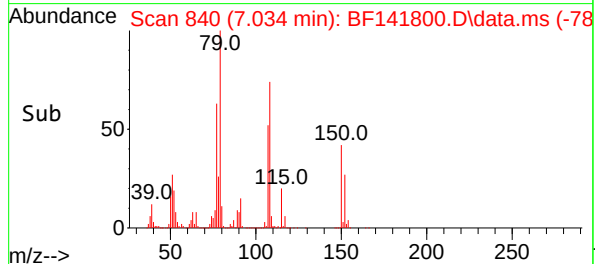
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

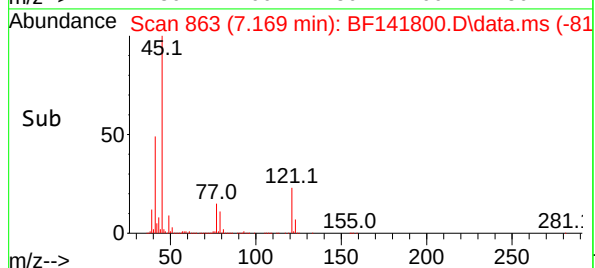
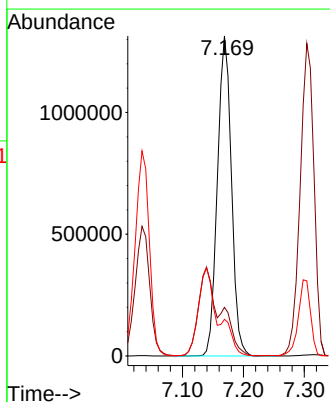
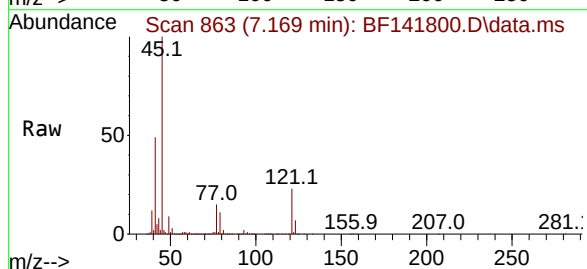
Manual Integrations
APPROVED

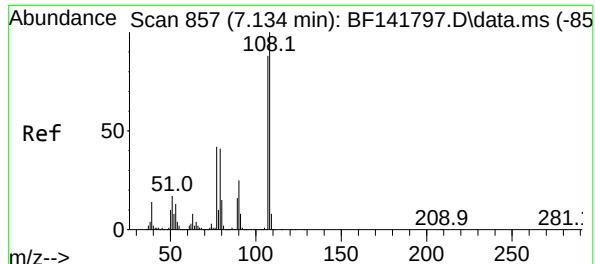
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

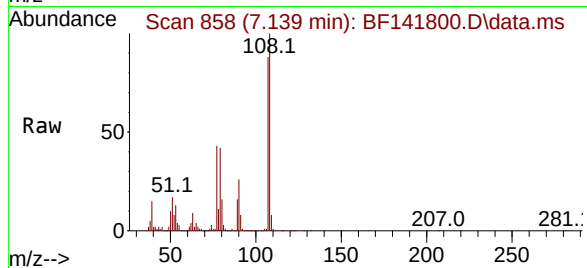
Tgt Ion: 45 Resp: 2095843
Ion Ratio Lower Upper
45 100
77 15.2 0.0 34.4
79 11.5 0.0 30.9





#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

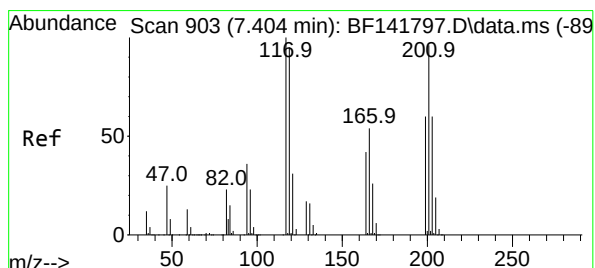
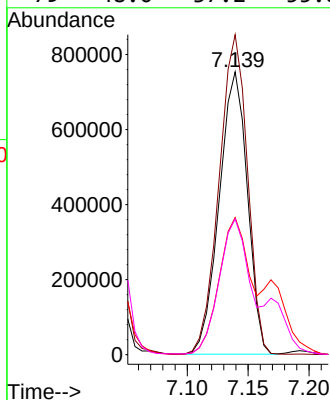
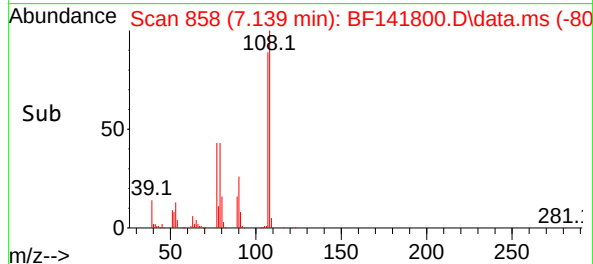
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

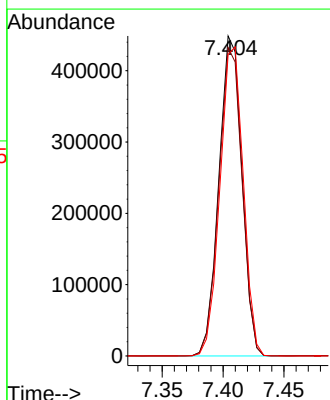
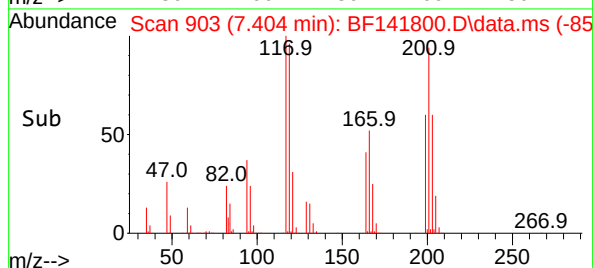
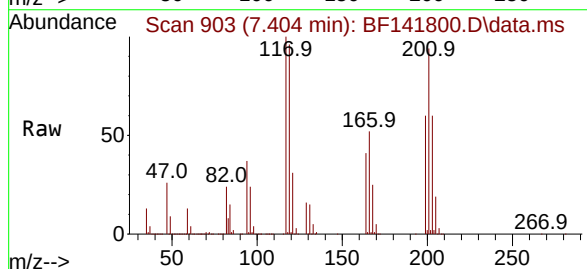
Manual Integrations
APPROVED

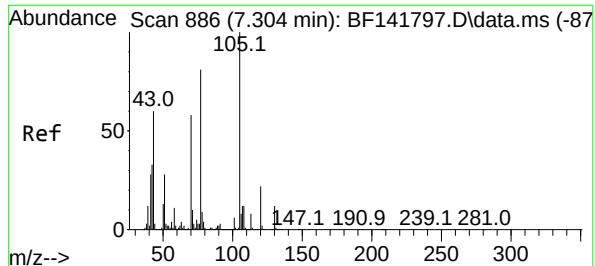
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

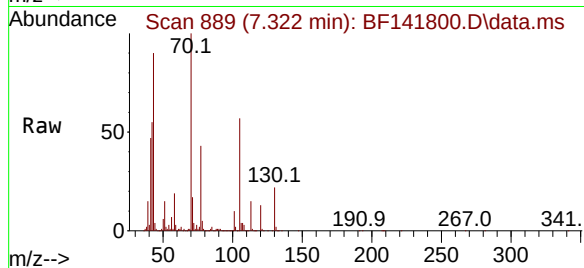
Acq: 27 Feb 2025 18:45

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

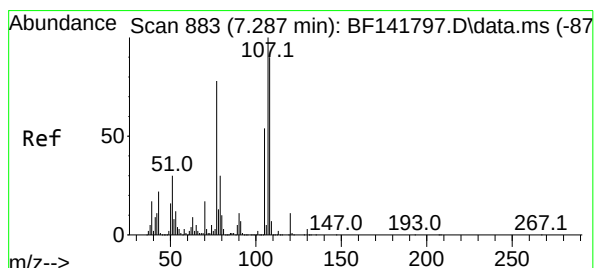
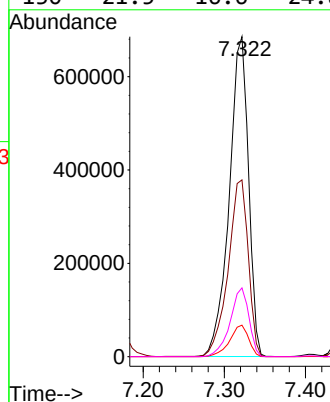
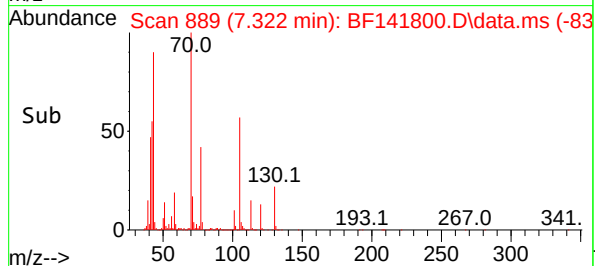
130 21.5 16.6 24.8

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

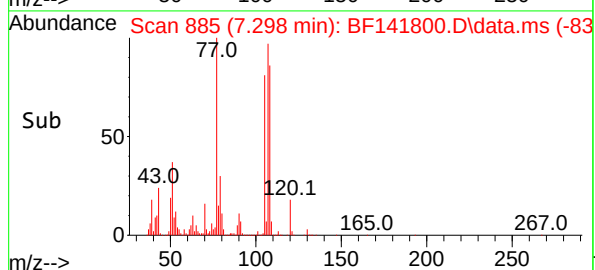
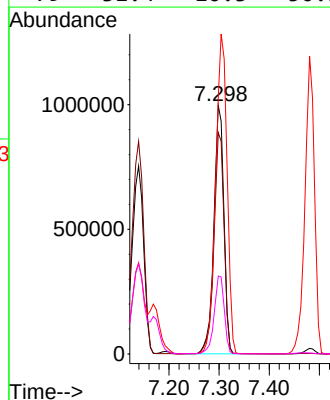
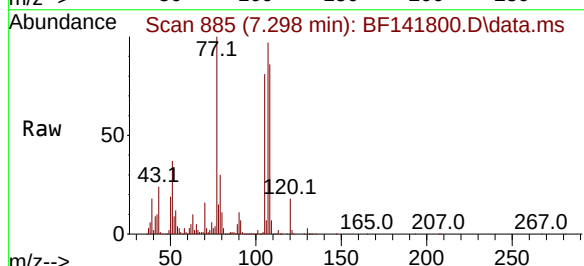
Ion Ratio Lower Upper

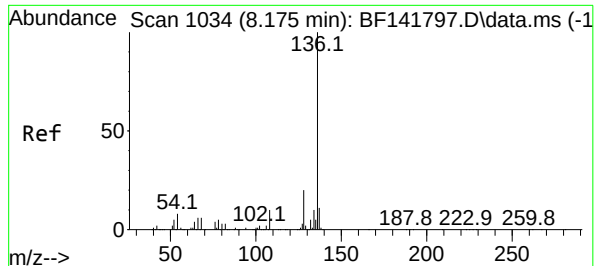
107 100

108 89.1 69.7 109.7

77 103.3 58.3 98.3#

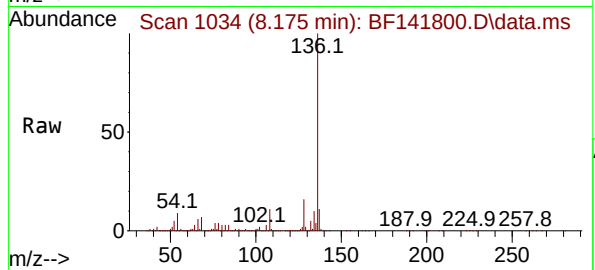
79 31.4 10.3 50.3





#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

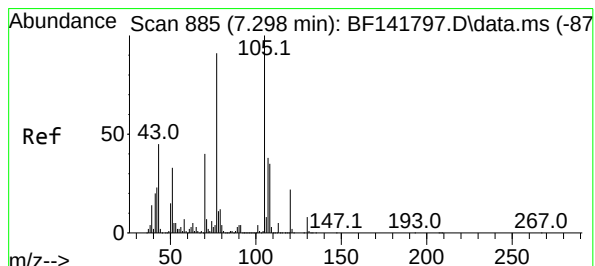
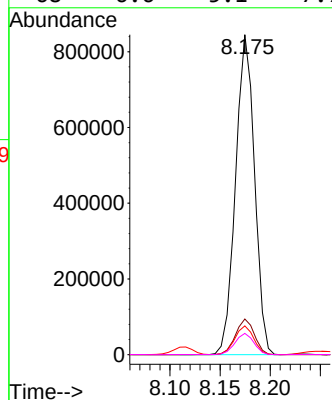
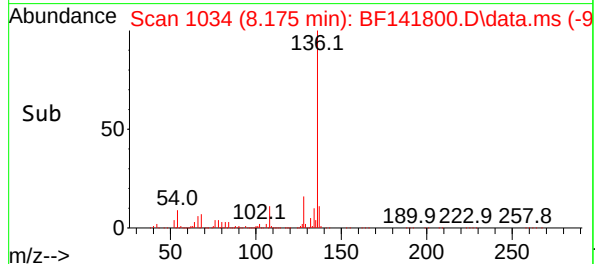
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

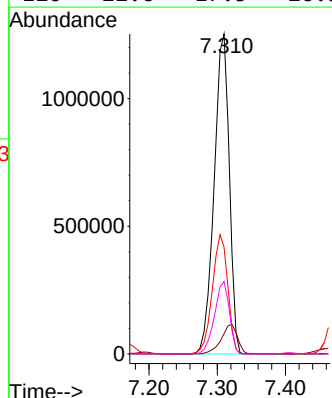
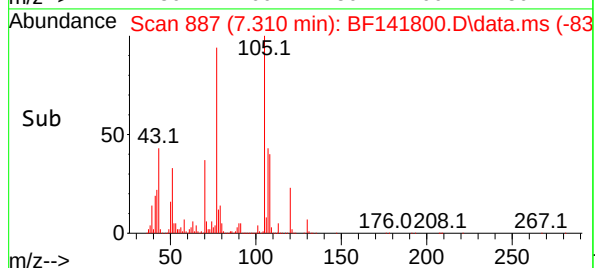
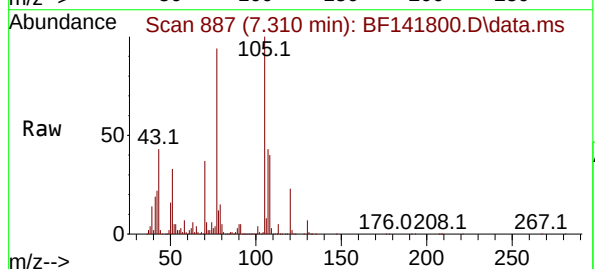
Manual Integrations
APPROVED

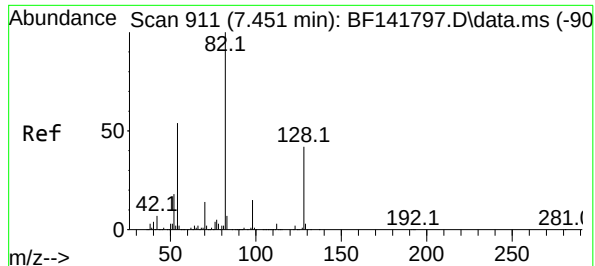
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

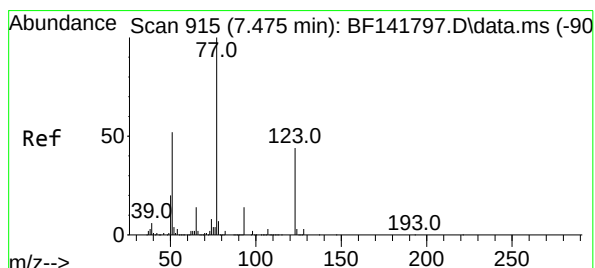
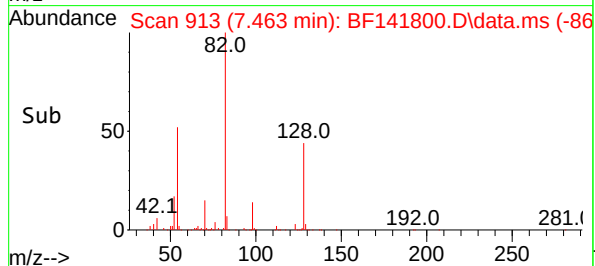
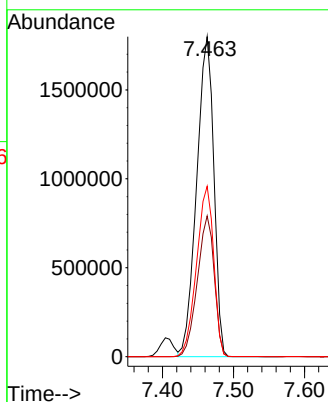
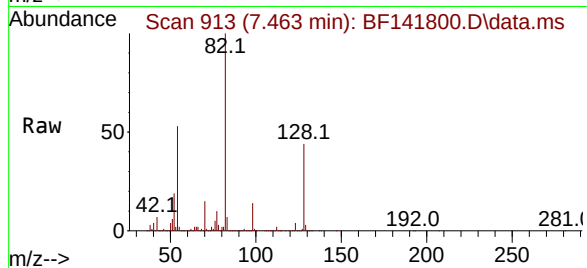
54 53.3 42.7 64.1

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

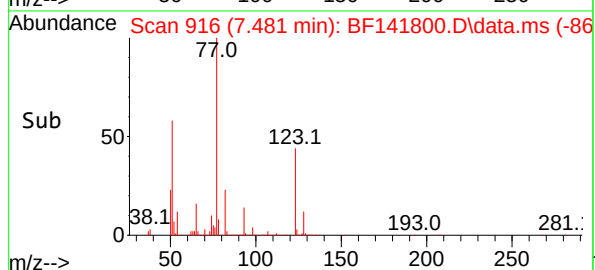
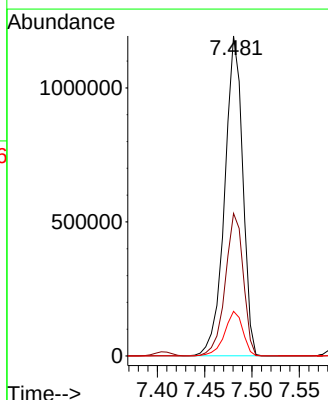
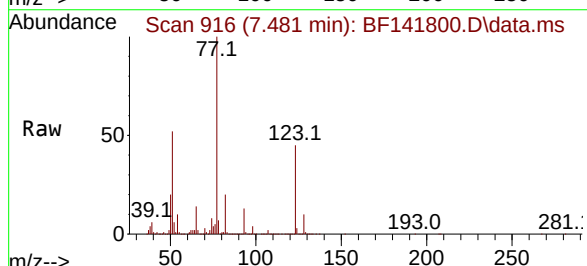
Tgt Ion: 77 Resp: 1579955

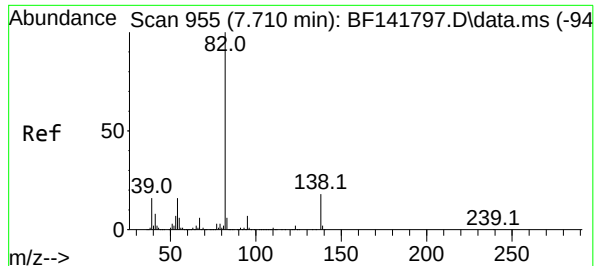
Ion Ratio Lower Upper

77 100

123 44.5 35.8 53.8

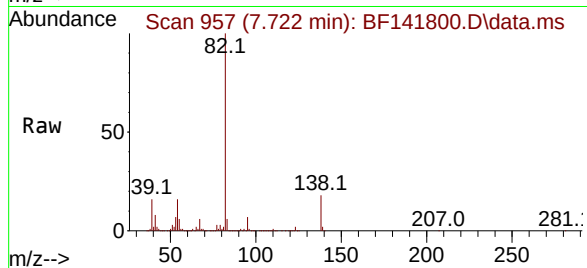
65 14.0 11.2 16.8





#25
Isophorone
Concen: 77.230 ng
RT: 7.722 min Scan# 955
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

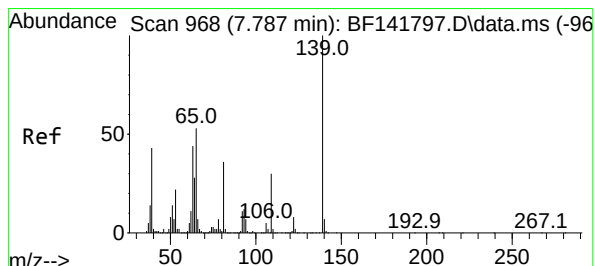
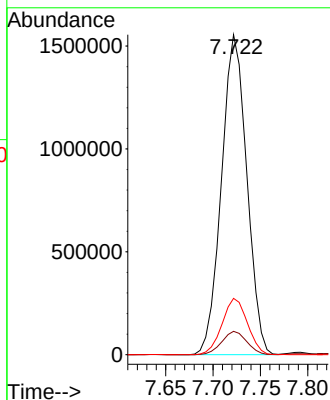
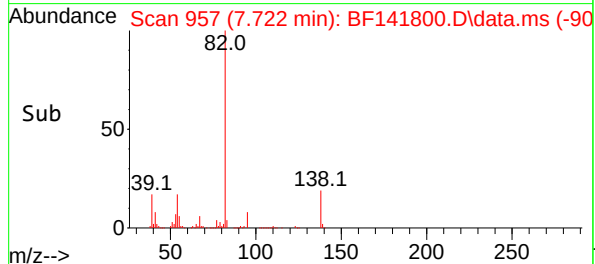
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

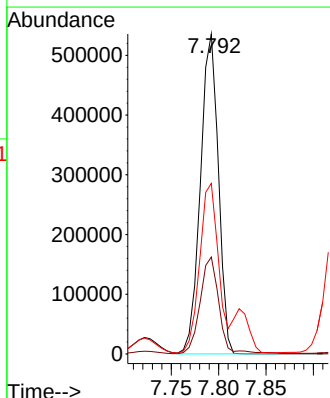
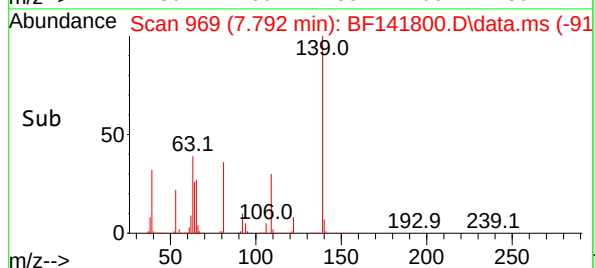
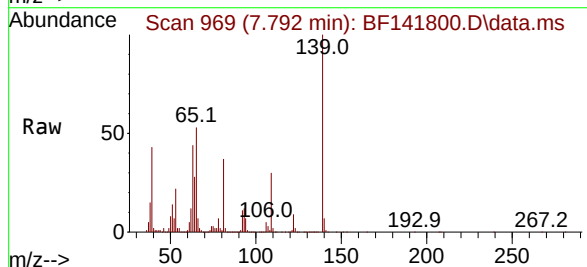
Manual Integrations
APPROVED

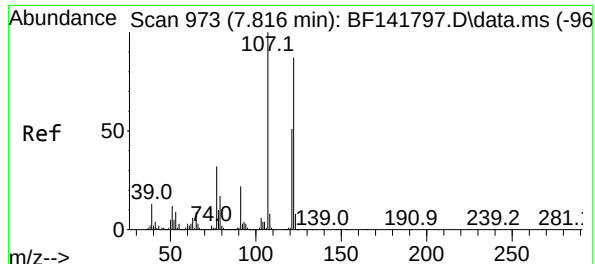
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

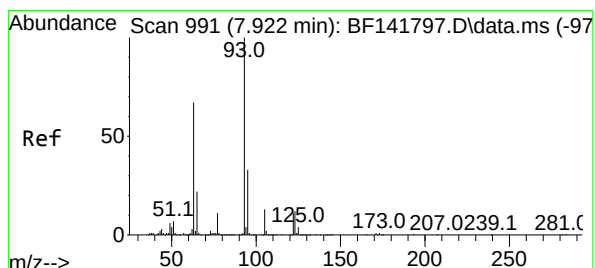
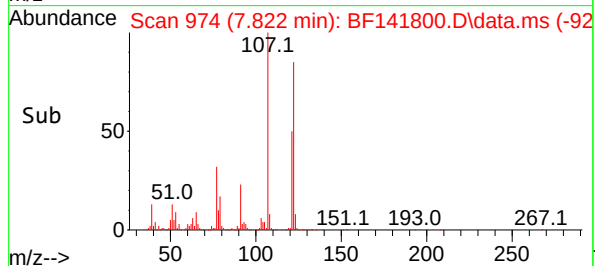
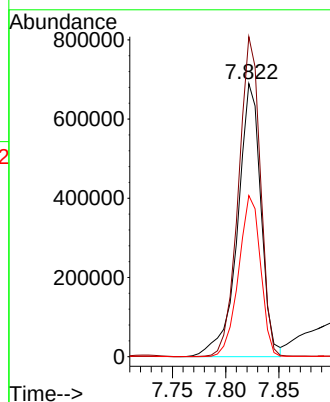
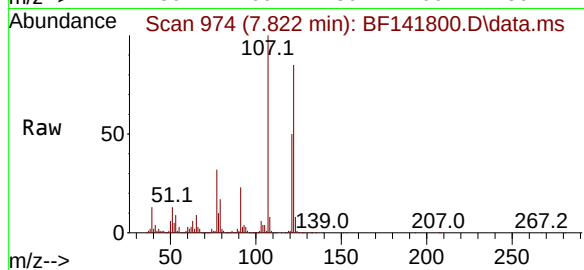
121 59.0 47.1 70.7

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

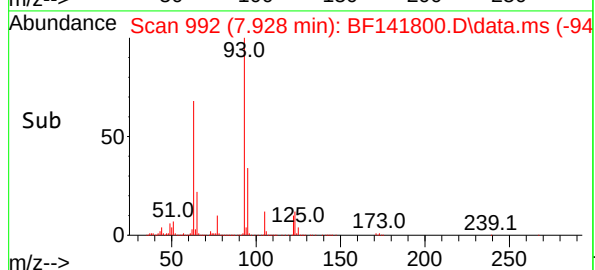
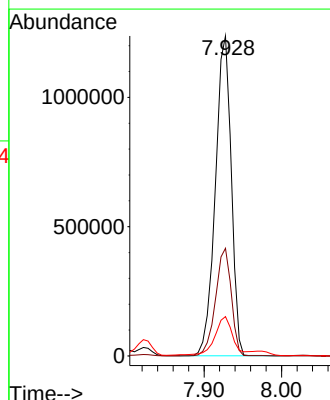
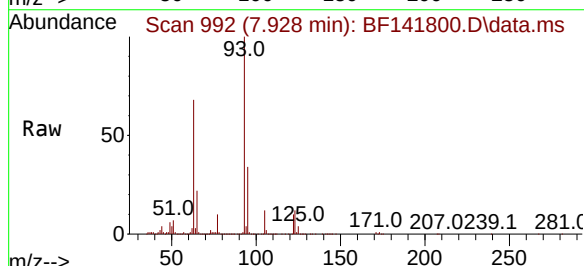
Tgt Ion: 93 Resp: 1759255

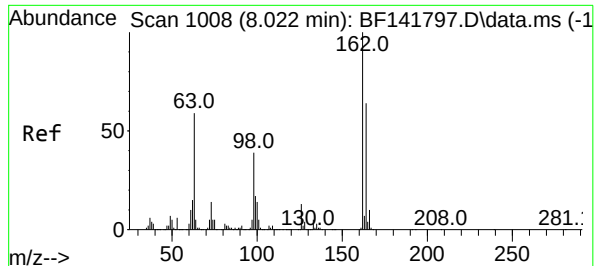
Ion Ratio Lower Upper

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

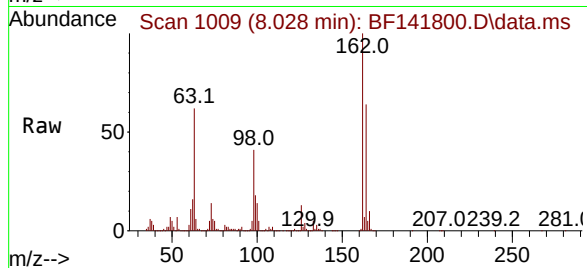
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:162 Resp: 1227409

Ion Ratio Lower Upper

162 100

164 64.4 44.3 84.3

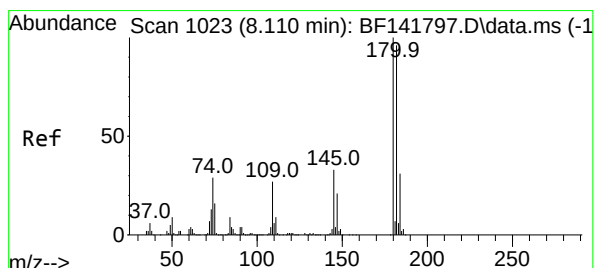
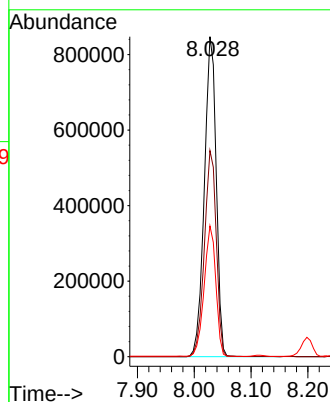
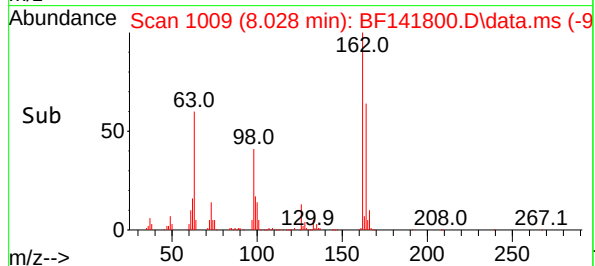
98 40.8 19.6 59.6

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

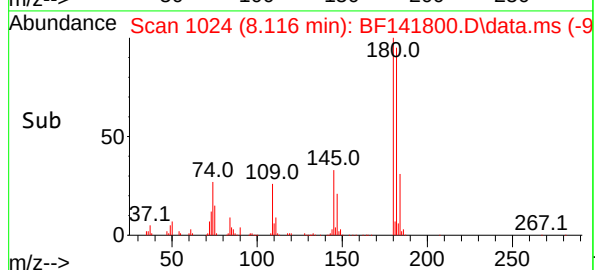
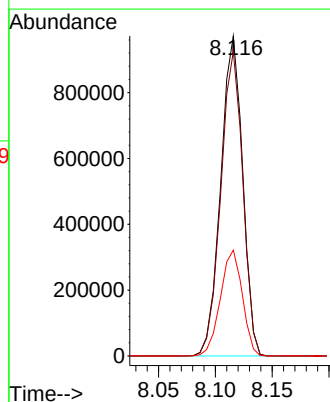
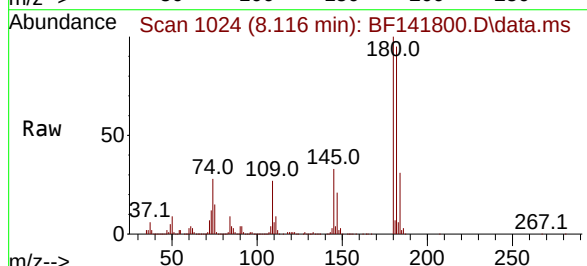
Tgt Ion:180 Resp: 1304033

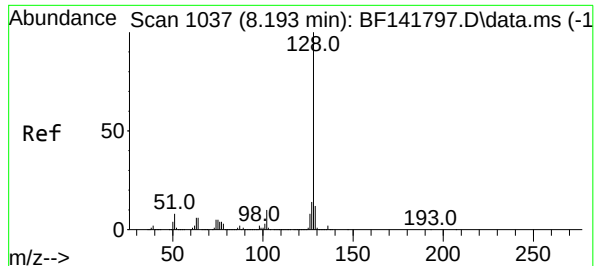
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

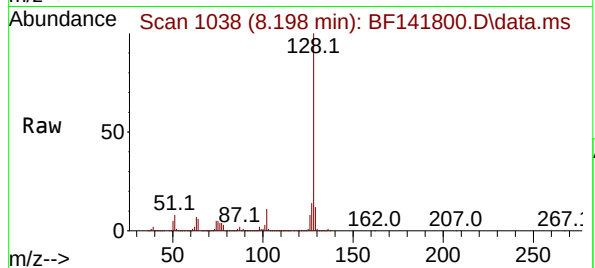
145 33.1 26.4 39.6





#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

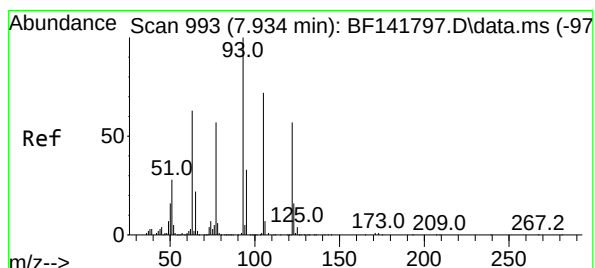
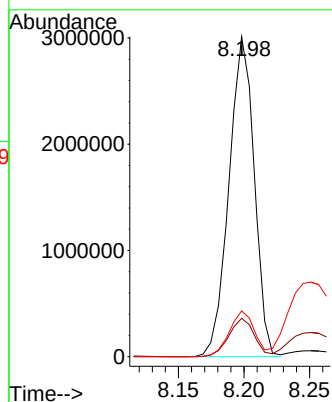
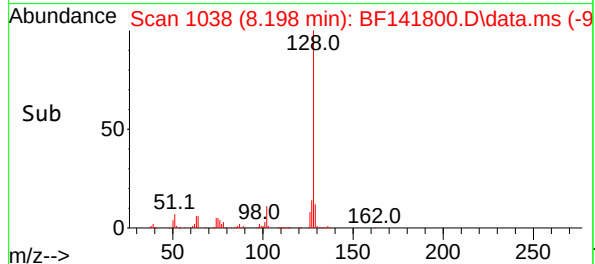
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

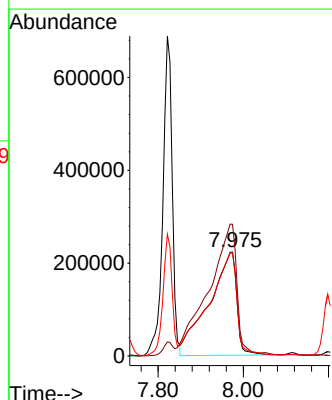
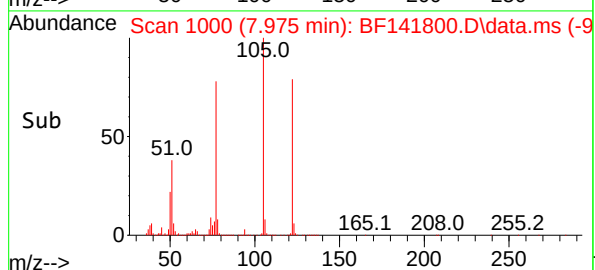
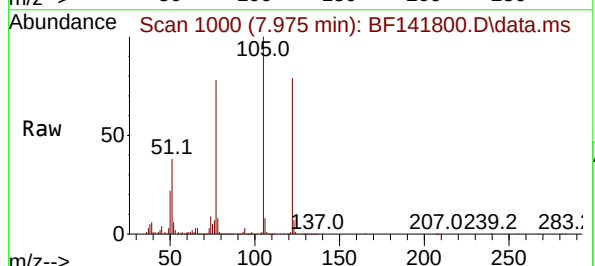
Manual Integrations
APPROVED

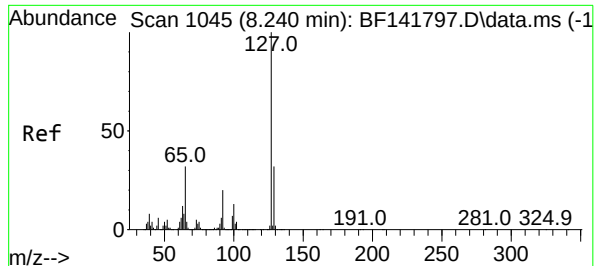
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

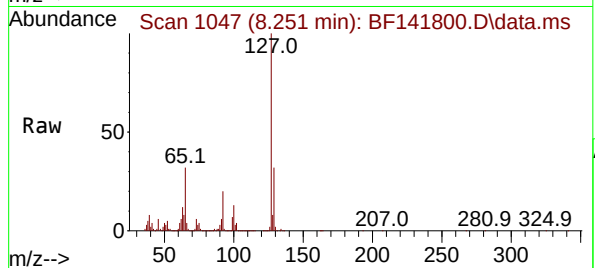
Tgt Ion:122 Resp: 1008619
Ion Ratio Lower Upper
122 100
105 126.8 105.8 145.8
77 99.0 79.9 119.9





#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

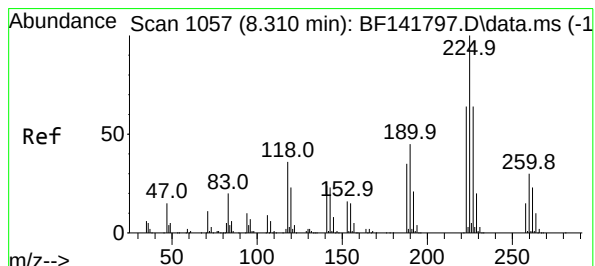
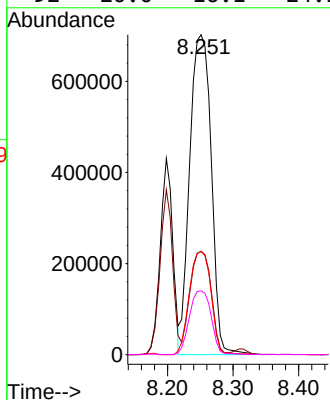
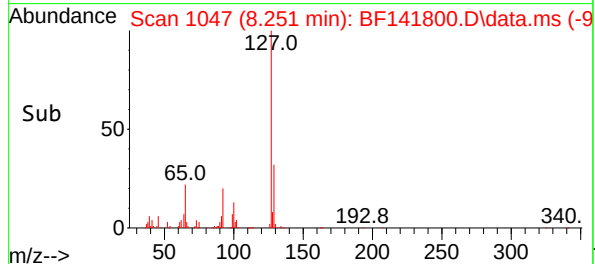
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

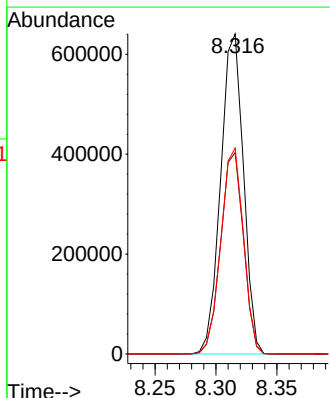
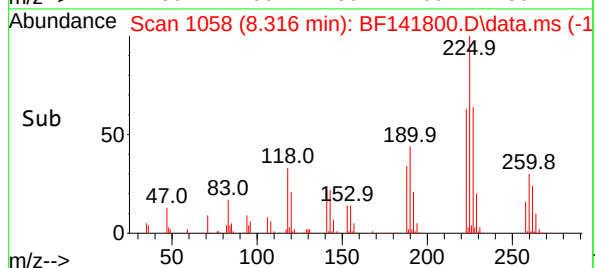
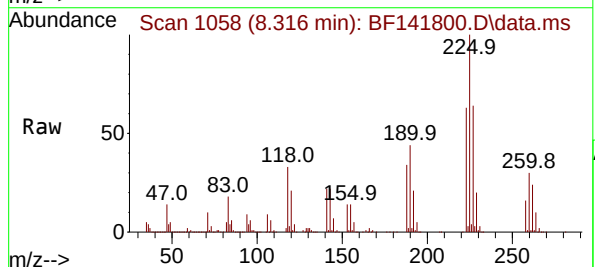
Manual Integrations
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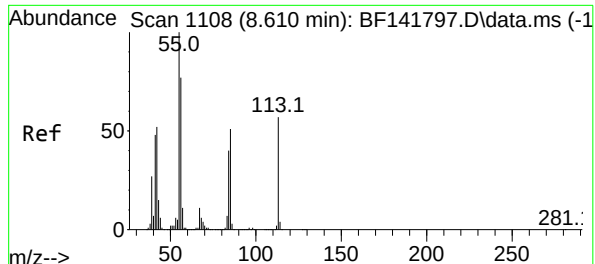
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

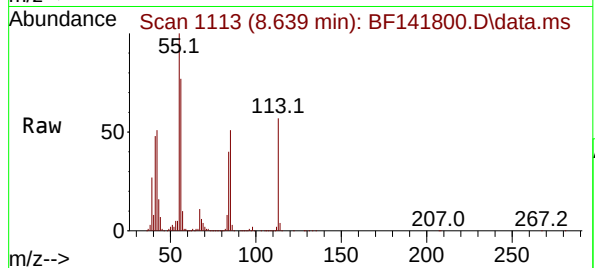
Tgt Ion:225 Resp: 836069
Ion Ratio Lower Upper
225 100
223 63.0 51.4 77.2
227 64.3 51.6 77.4





#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

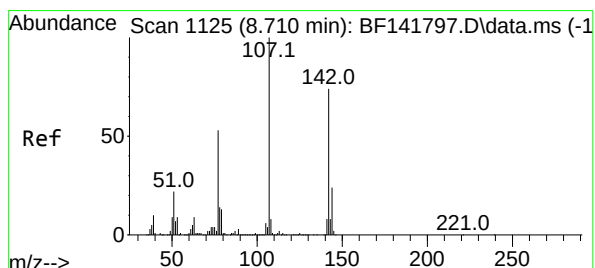
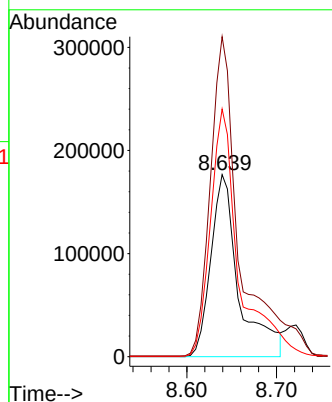
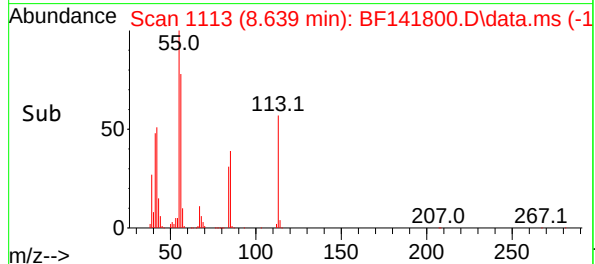
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

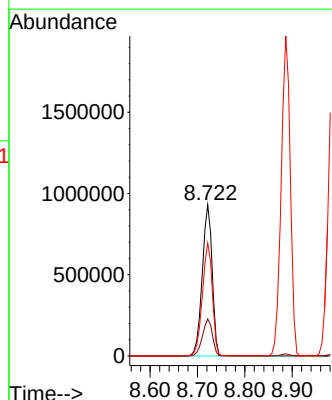
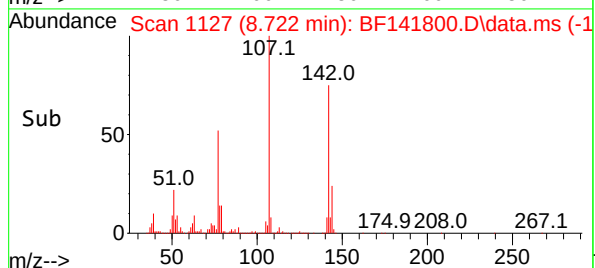
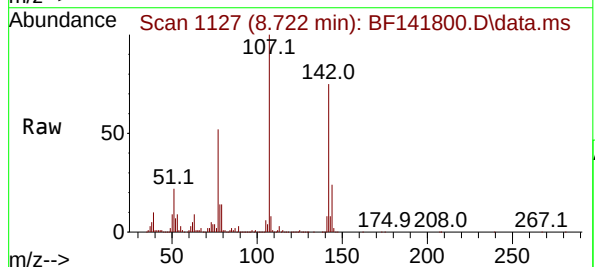
Manual Integrations
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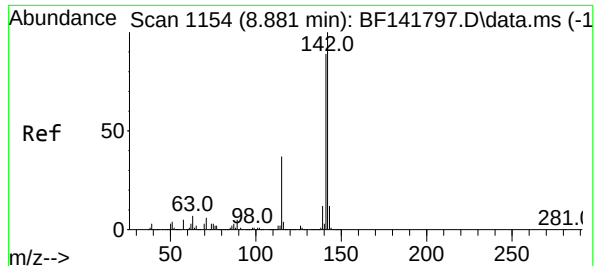
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#36
4-Chloro-3-methylphenol
Concen: 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

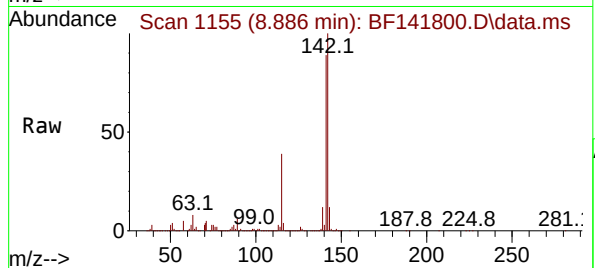
Tgt Ion:107 Resp: 1349234
Ion Ratio Lower Upper
107 100
144 24.4 19.4 29.0
142 74.7 59.4 89.0





#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

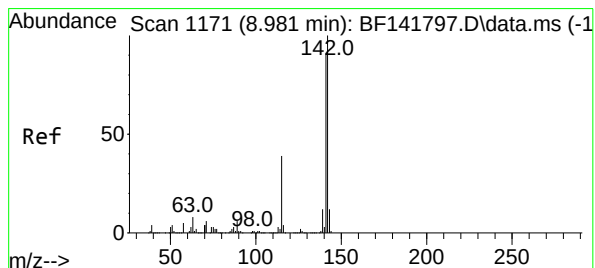
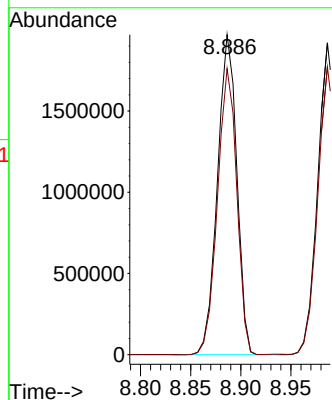
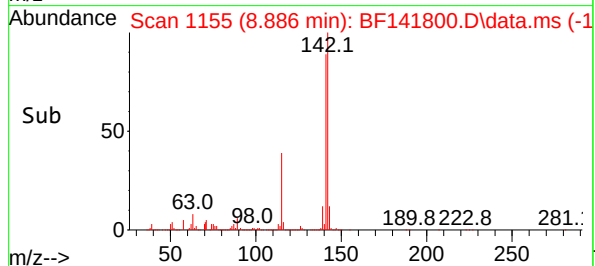
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:142 Resp: 2637302
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7

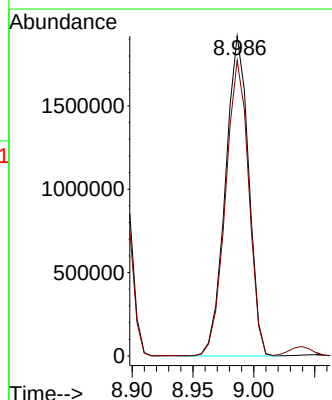
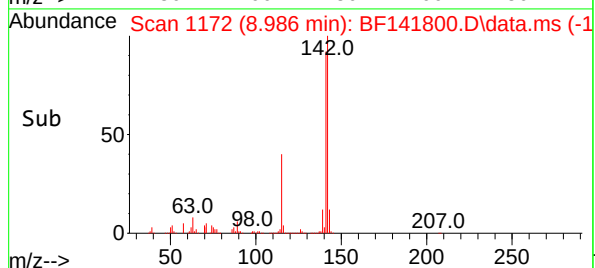
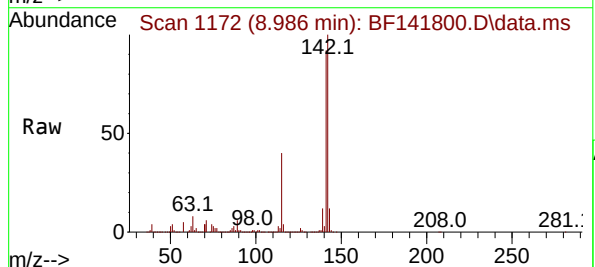
Manual Integrations
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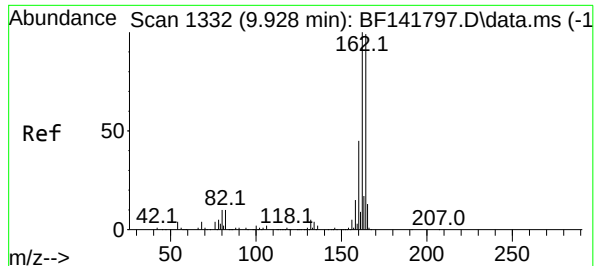
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

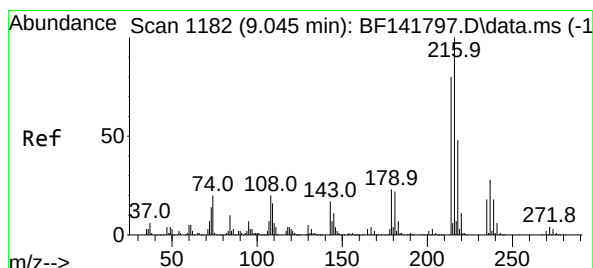
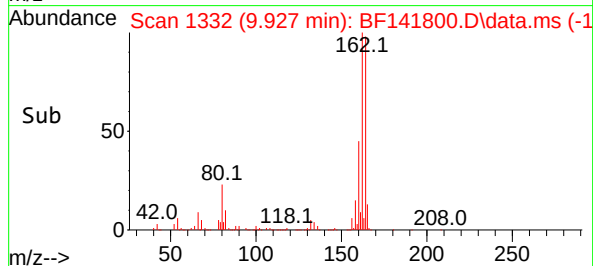
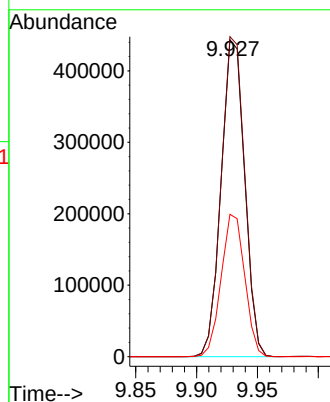
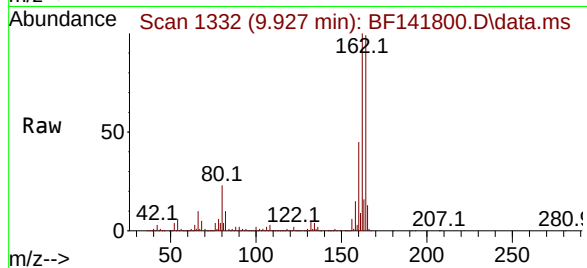
160 44.9 36.3 54.5

Manual Integrations

APPROVED

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

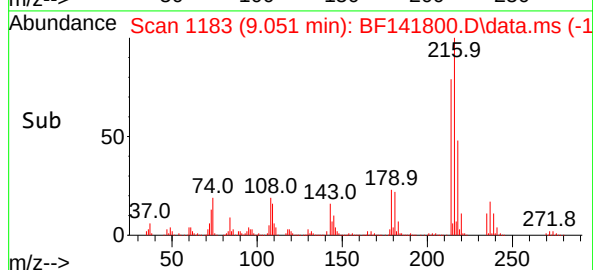
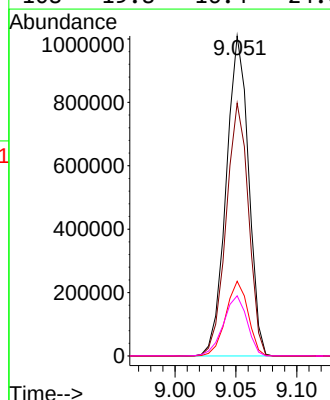
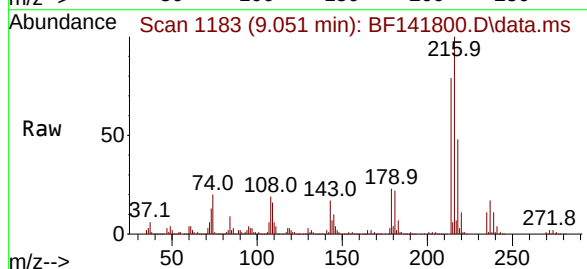
Ion Ratio Lower Upper

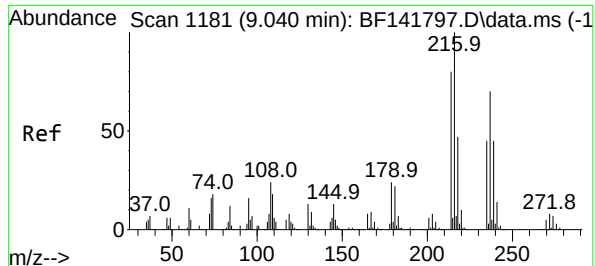
216 100

214 78.9 63.5 95.3

179 23.2 18.1 27.1

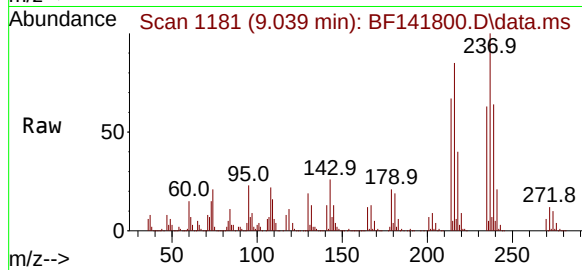
108 19.8 16.4 24.6





#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

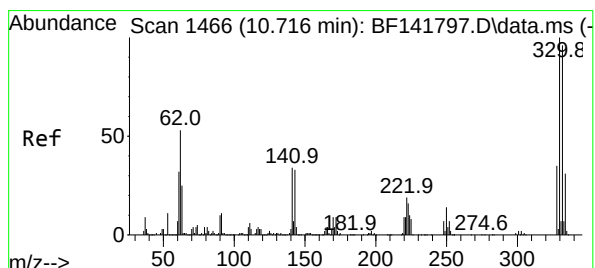
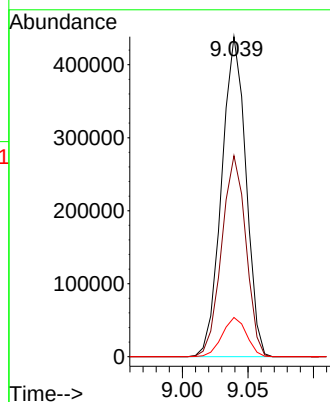
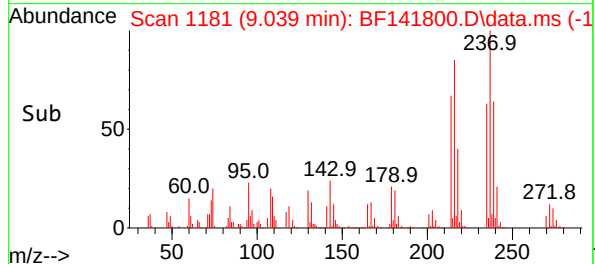
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



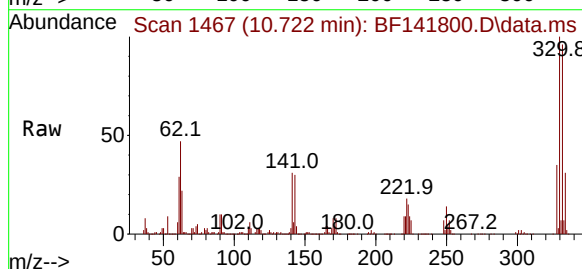
Tgt Ion:237 Resp: 564260
Ion Ratio Lower Upper
237 100
235 62.8 43.3 83.3
272 12.3 0.0 31.9

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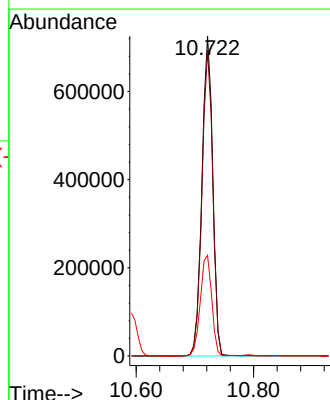
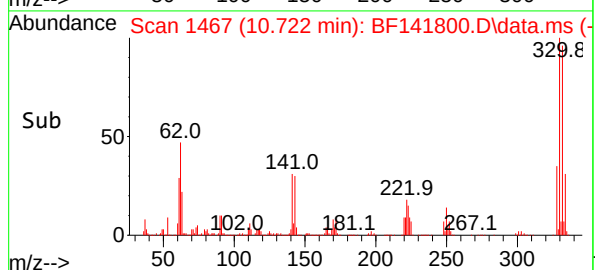
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

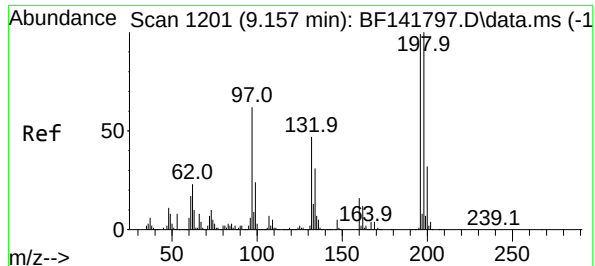


#42
2,4,6-Tribromophenol
Concen: 164.969 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



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

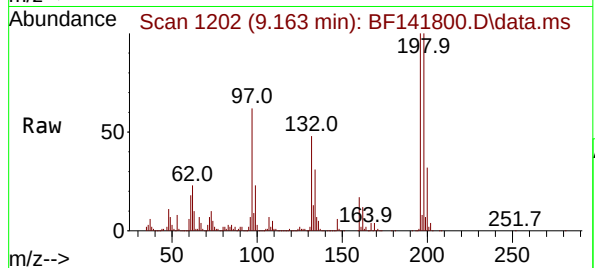
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 89879

Ion Ratio Lower Upper

196 100

198 99.7 80.4 120.6

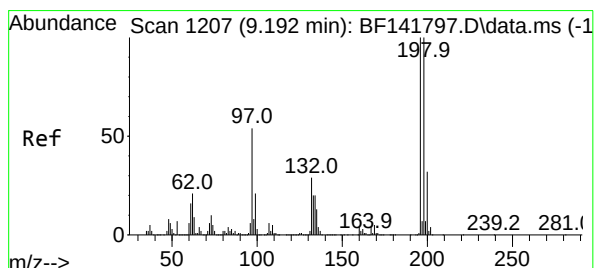
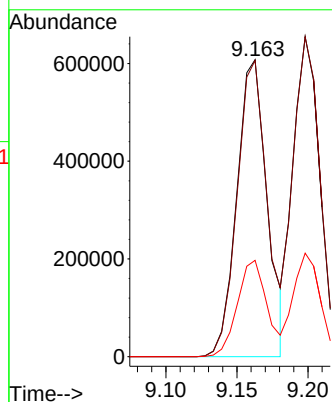
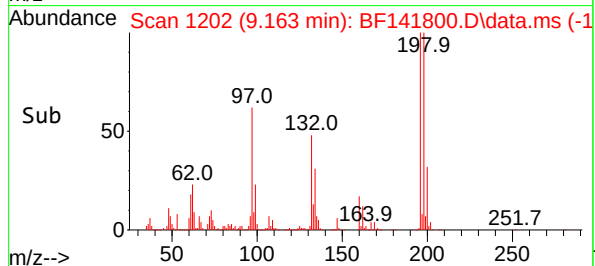
200 32.4 25.7 38.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#44

2,4,5-Trichlorophenol

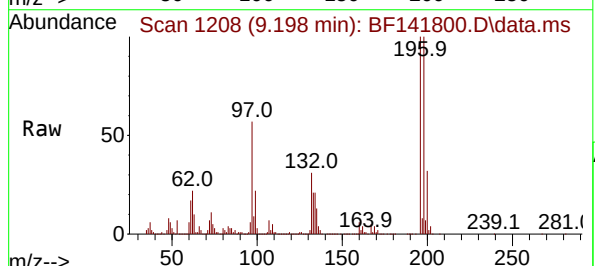
Concen: 77.984 ng

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

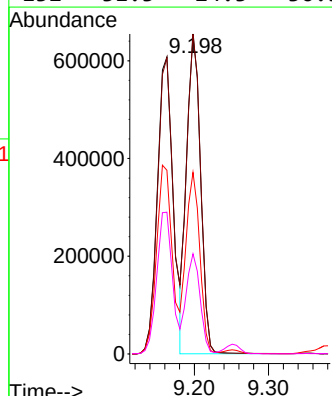
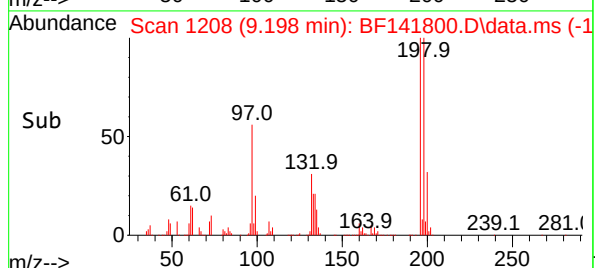
Ion Ratio Lower Upper

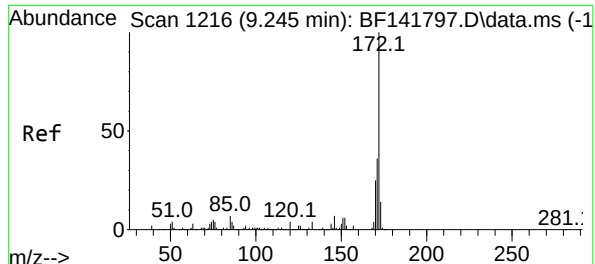
196 100

198 99.9 79.7 119.5

97 56.8 44.2 66.2

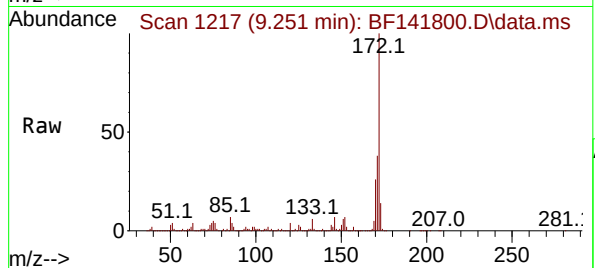
132 31.3 24.3 36.5





#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

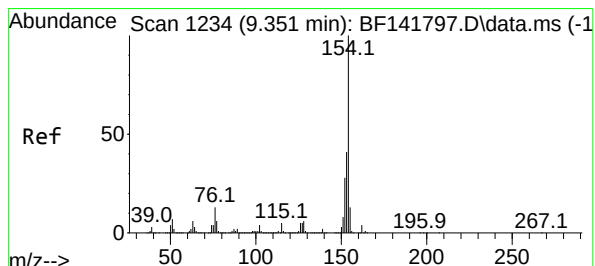
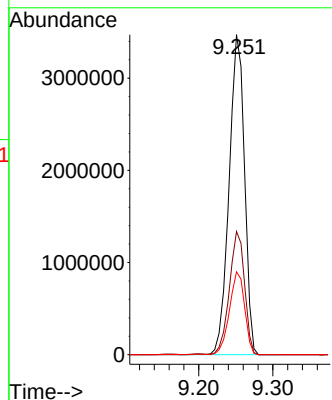
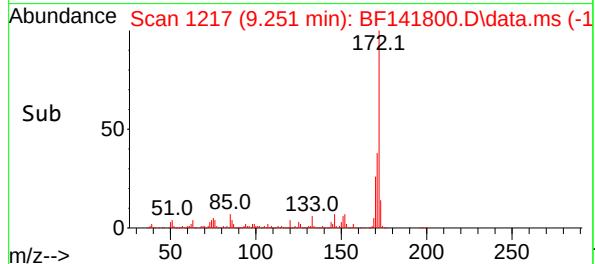
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

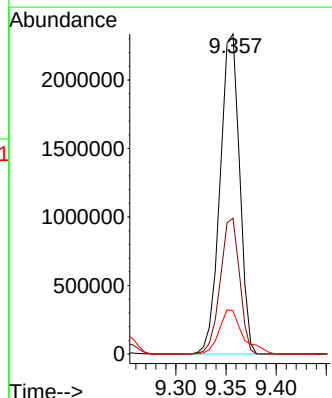
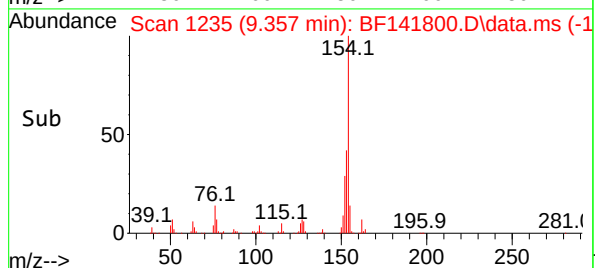
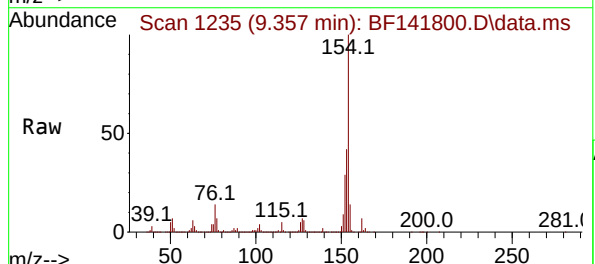
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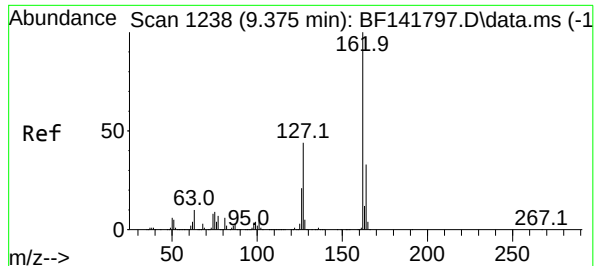
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

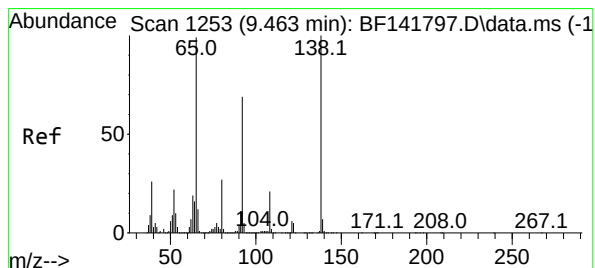
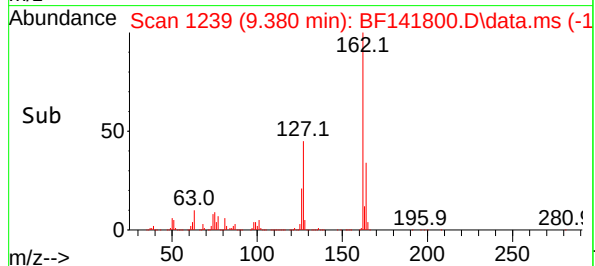
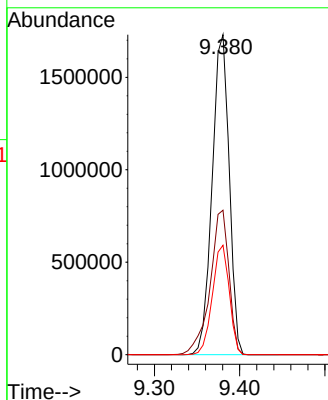
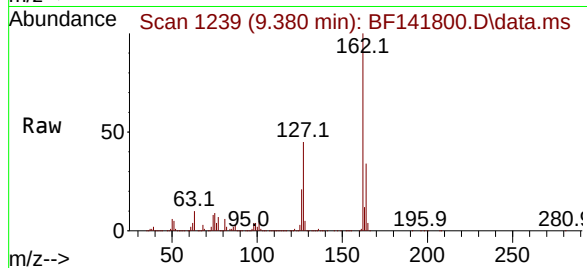
164 34.2 26.6 40.0

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

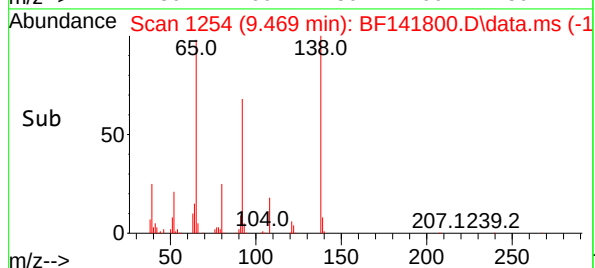
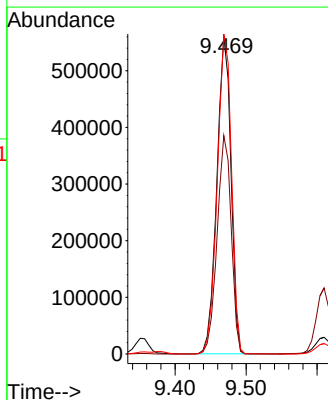
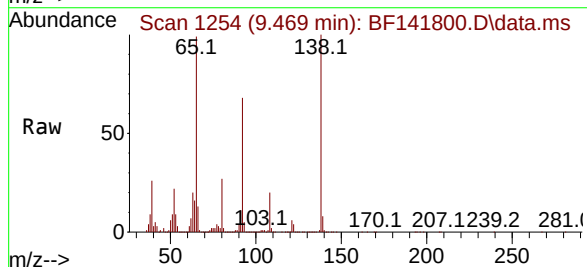
Tgt Ion: 65 Resp: 770567

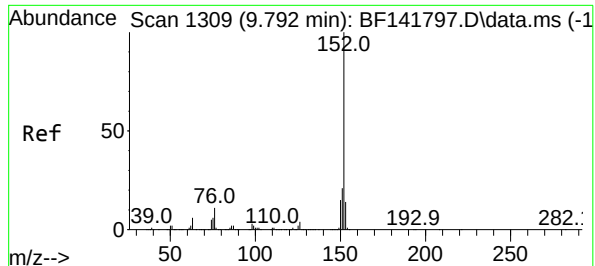
Ion Ratio Lower Upper

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

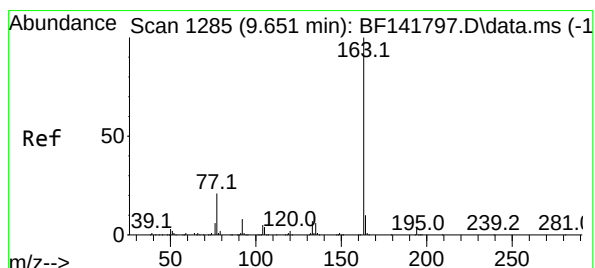
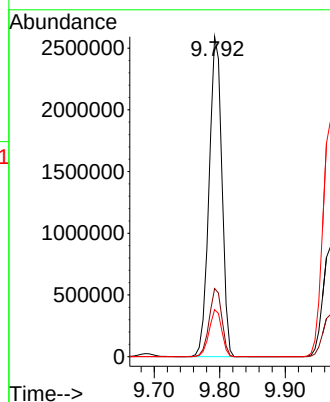
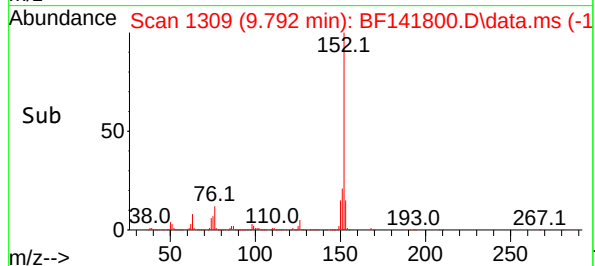
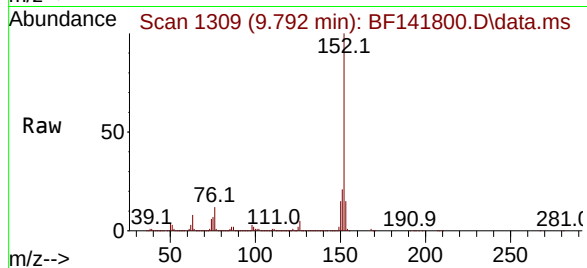
153 14.7 11.2 16.8

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

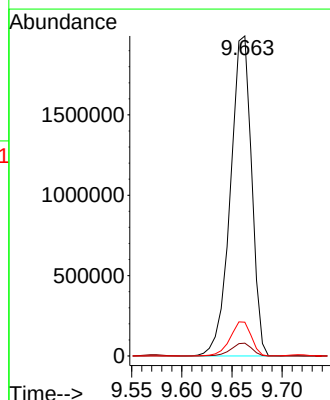
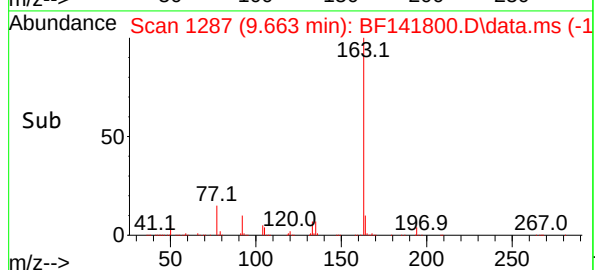
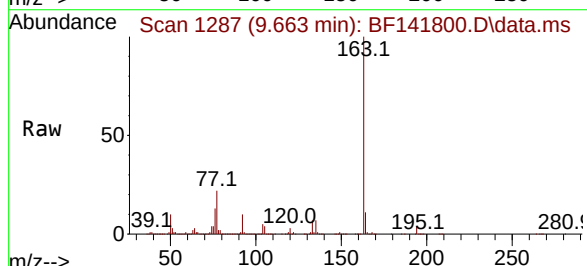
Tgt Ion:163 Resp: 2921217

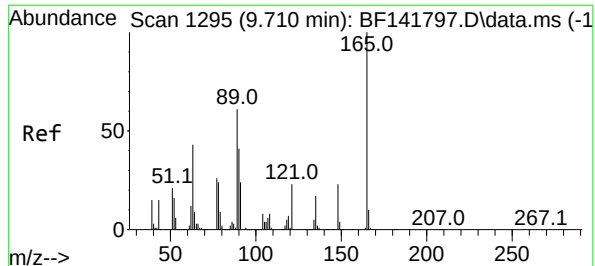
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

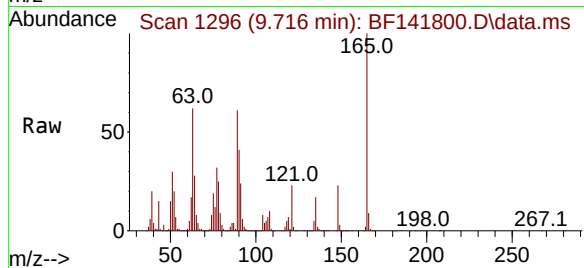
164 10.5 8.4 12.6





#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

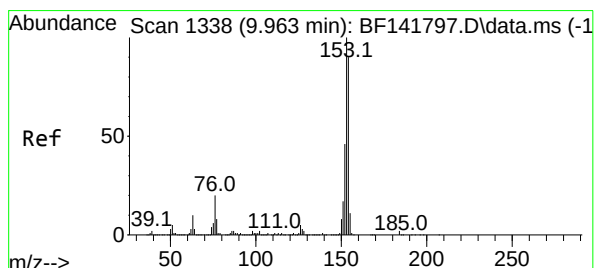
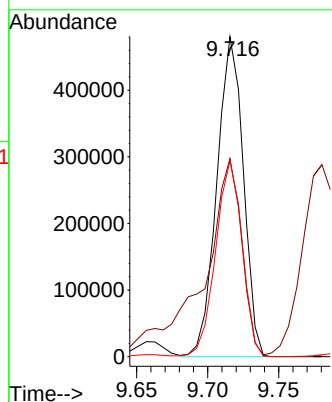
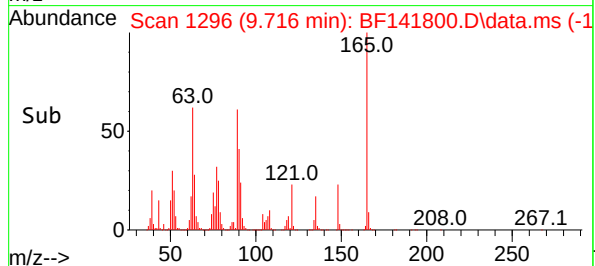
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

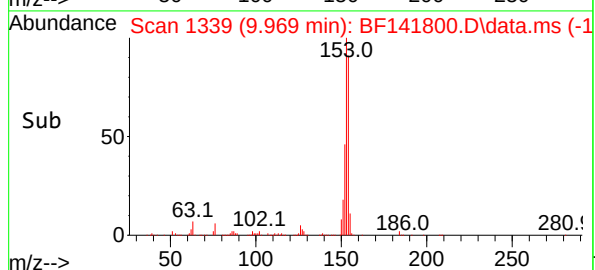
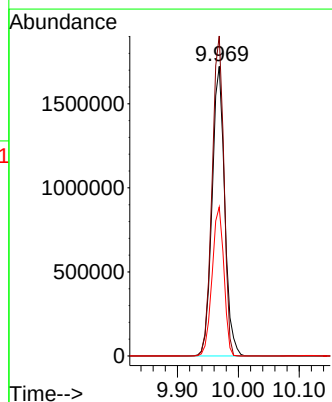
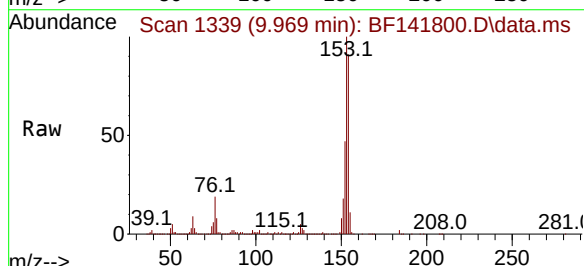
Manual Integrations
APPROVED

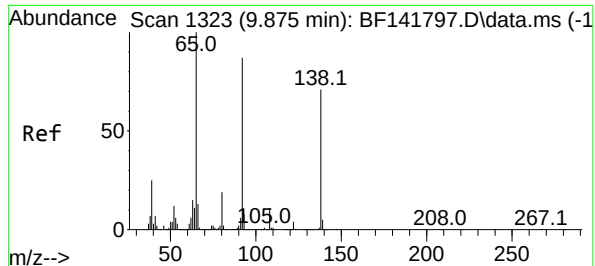
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

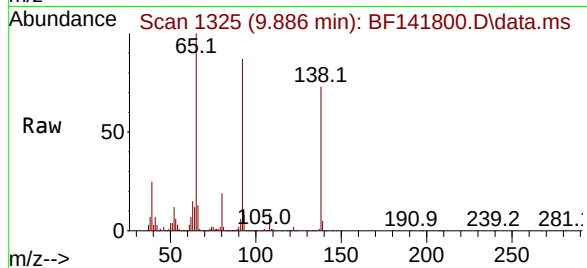
Tgt Ion:154 Resp: 2480302
Ion Ratio Lower Upper
154 100
153 110.5 88.7 133.1
152 51.5 40.9 61.3





#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

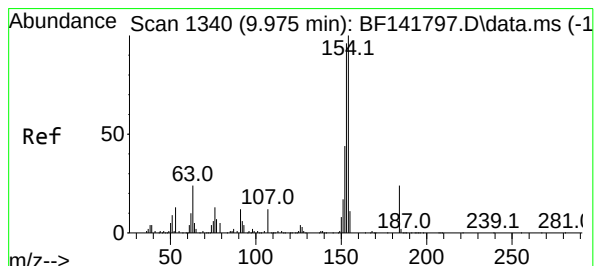
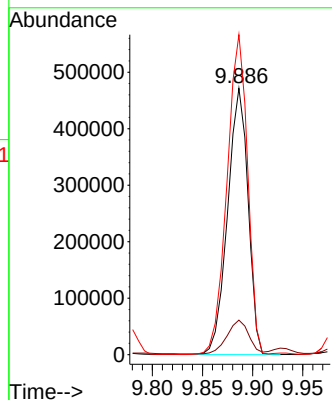
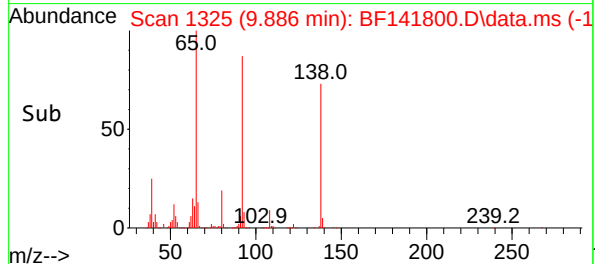
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

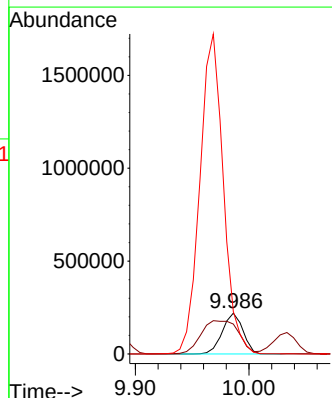
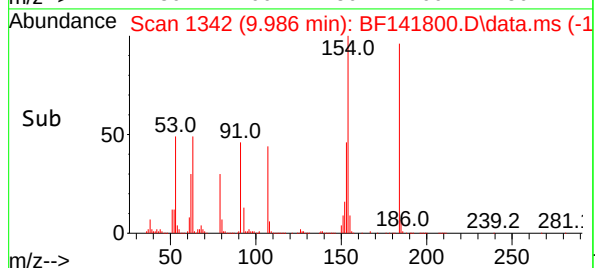
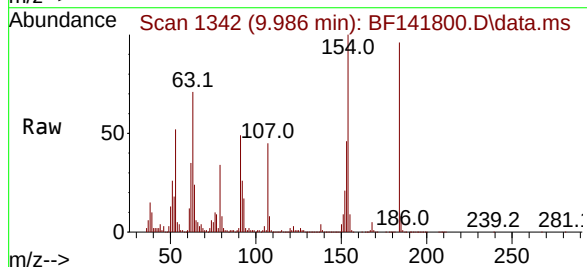
Manual Integrations
APPROVED

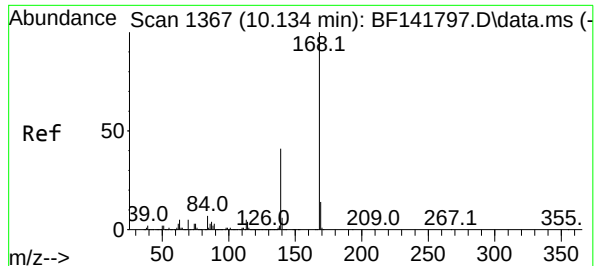
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

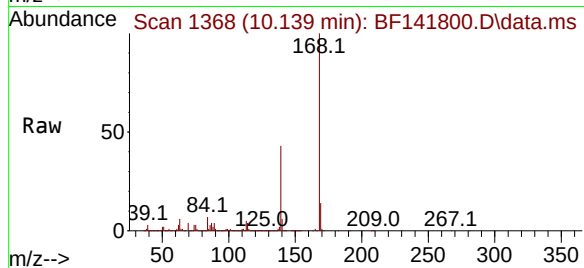
Tgt Ion:184 Resp: 277943
Ion Ratio Lower Upper
184 100
63 73.4 79.0 118.6#
154 103.9 335.8 503.8#





#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

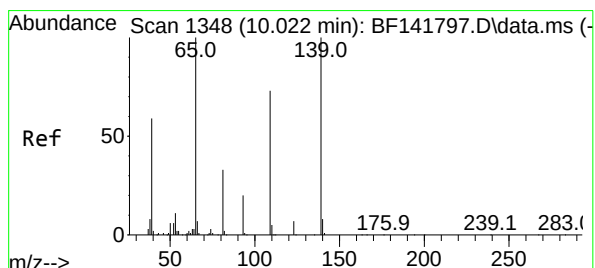
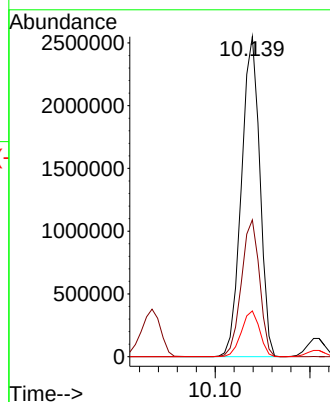
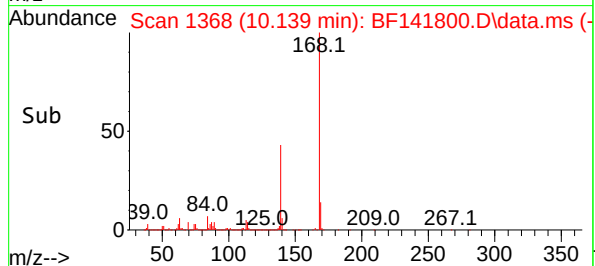
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

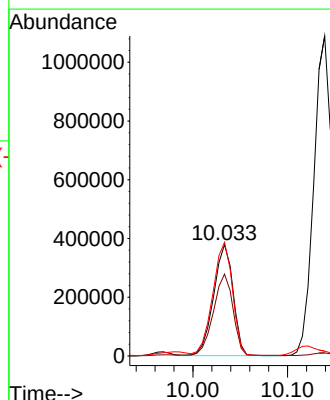
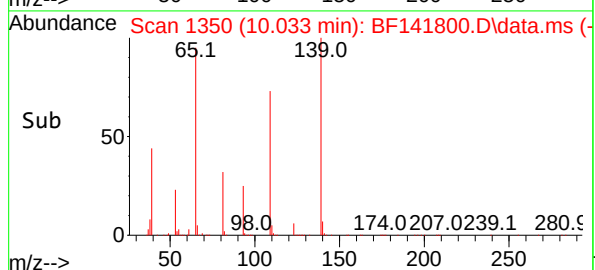
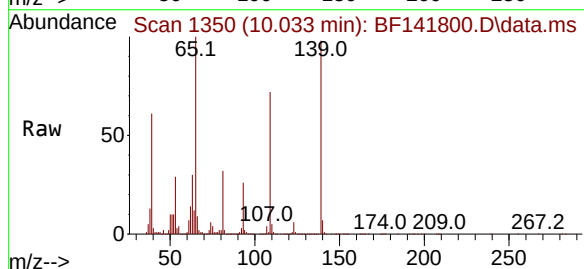
Manual Integrations
APPROVED

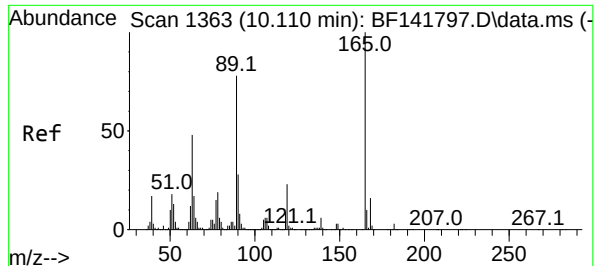
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

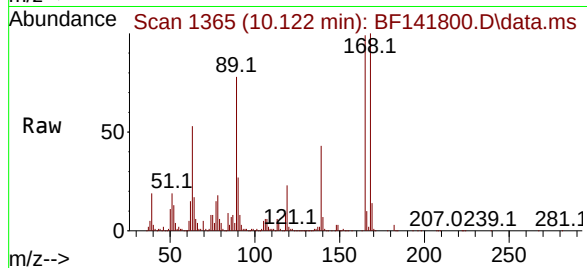
Tgt Ion:139 Resp: 541317
Ion Ratio Lower Upper
139 100
109 73.6 53.4 93.4
65 102.2 82.1 122.1





#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

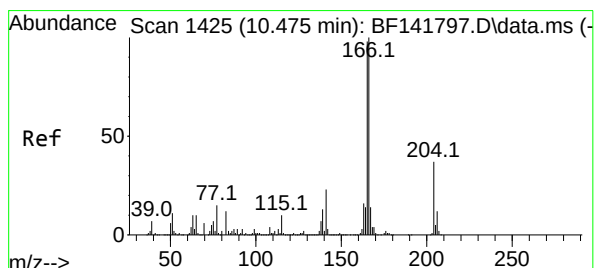
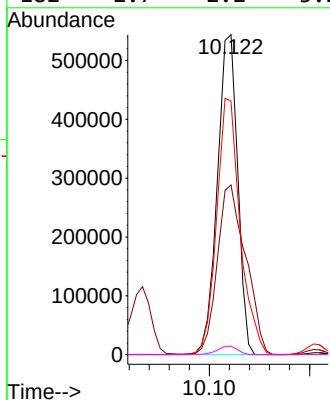
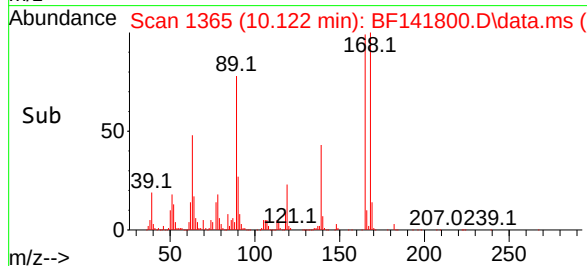
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



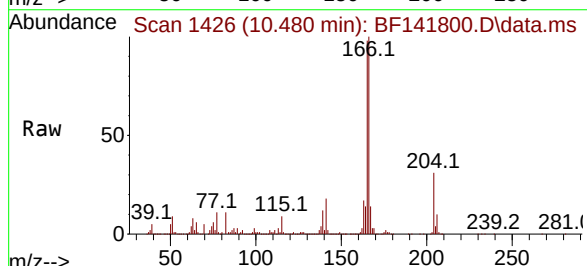
Tgt Ion:165 Resp: 764012
Ion Ratio Lower Upper
165 100
63 53.1 38.8 58.2
89 79.2 62.6 94.0
182 2.7 2.2 3.2

Manual Integrations
APPROVED

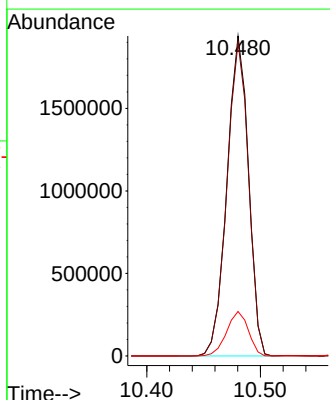
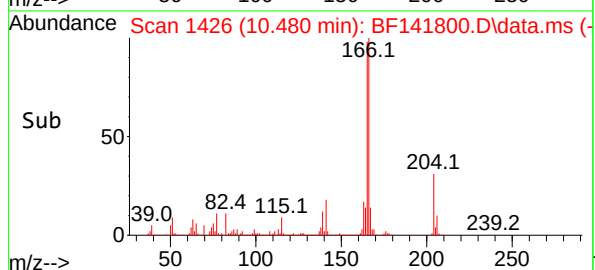
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

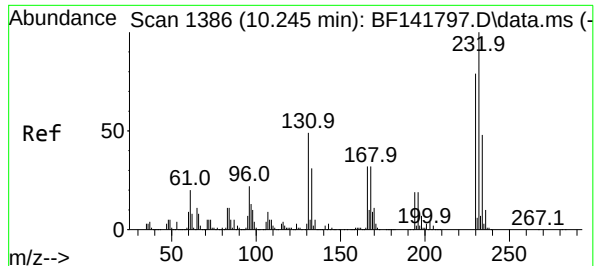


#58
Fluorene
Concen: 69.170 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



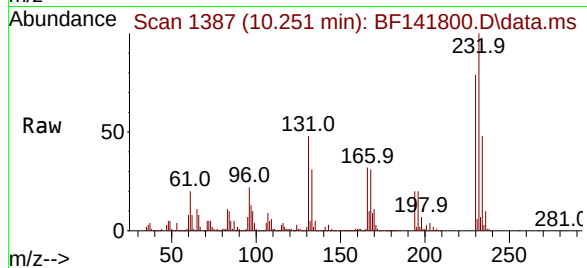
Tgt Ion:166 Resp: 2557382
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.9 11.0 16.4





#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

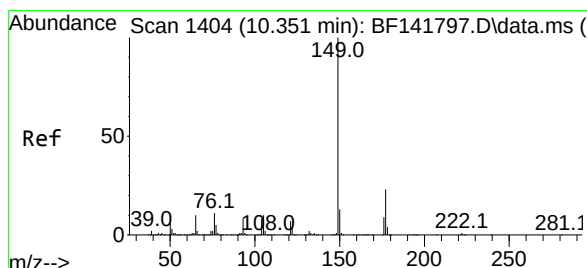
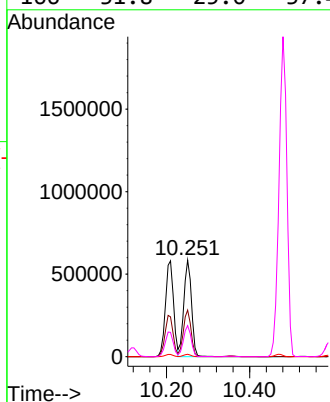
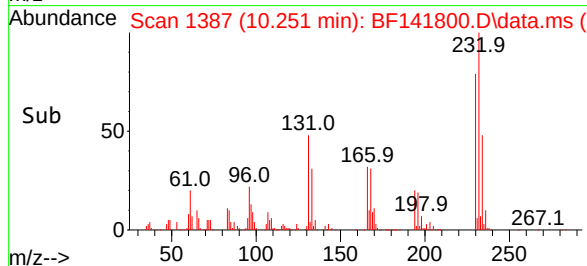
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

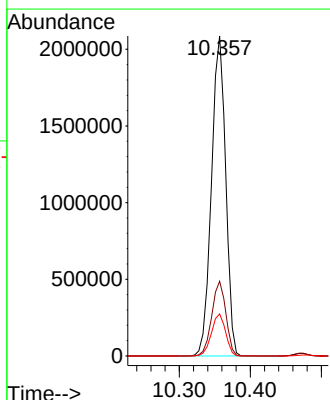
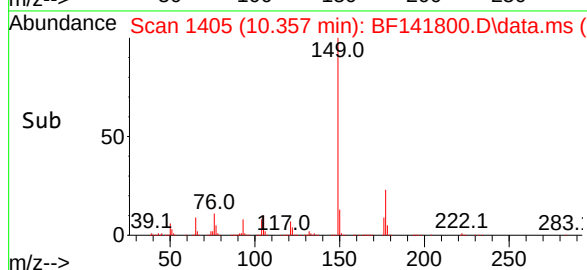
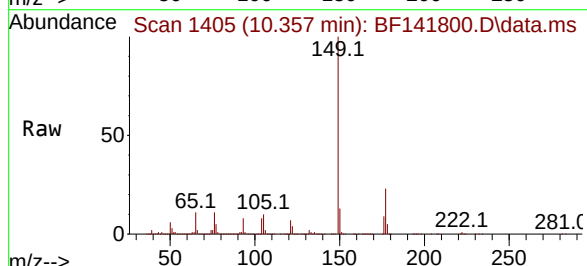
Manual Integrations
APPROVED

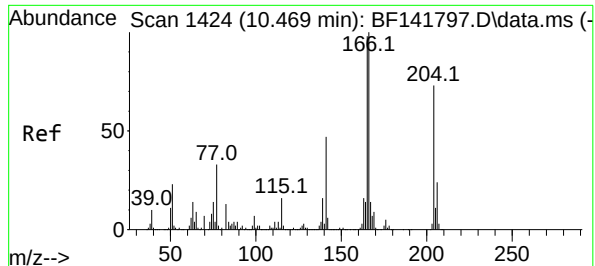
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

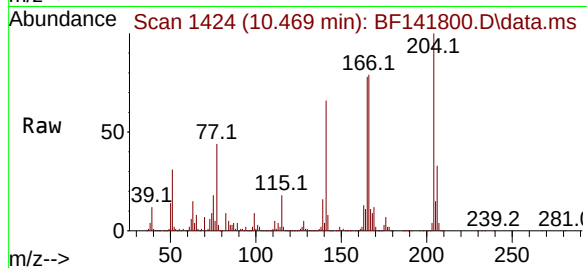
Tgt Ion:149 Resp: 2893471
Ion Ratio Lower Upper
149 100
177 23.3 18.3 27.5
150 13.2 10.3 15.5





#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

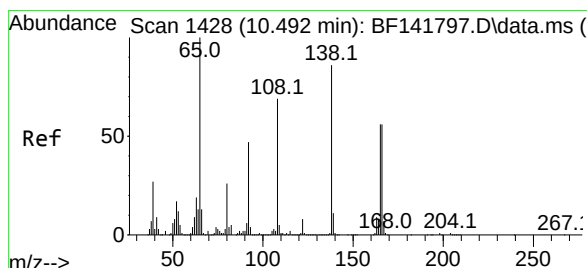
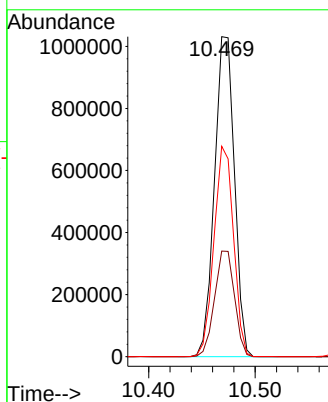
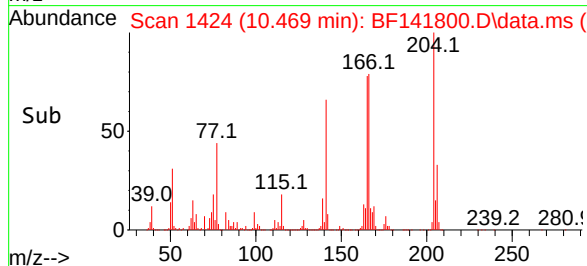
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



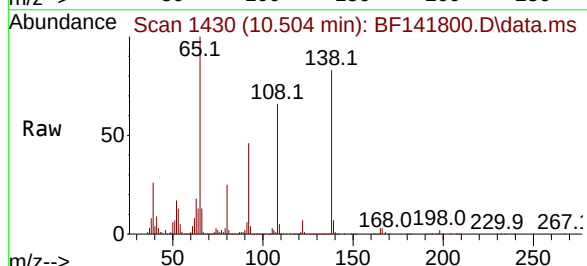
Tgt Ion:204 Resp: 134144
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.4
141 65.7 51.7 77.5

Manual Integrations
APPROVED

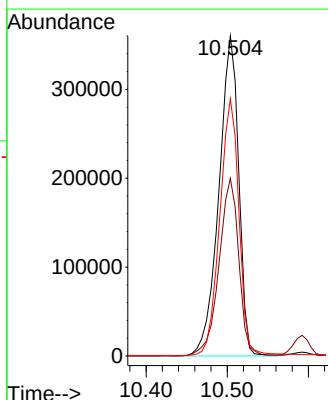
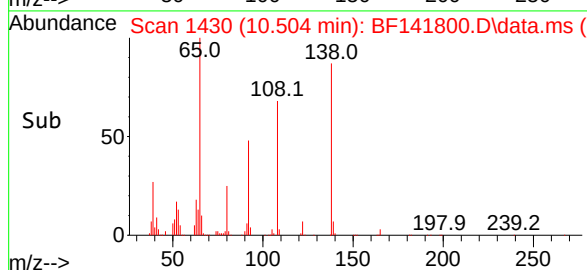
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

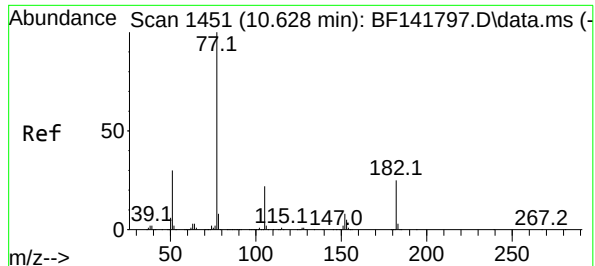


#62
4-Nitroaniline
Concen: 89.663 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



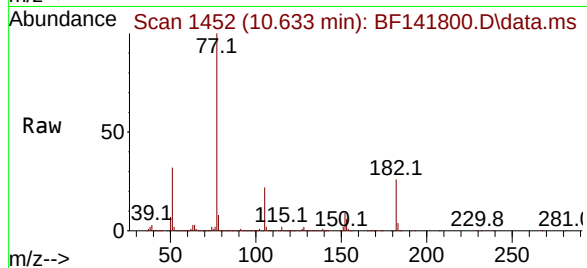
Tgt Ion:138 Resp: 611855
Ion Ratio Lower Upper
138 100
92 55.5 34.9 74.9
108 80.4 59.6 99.6





#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

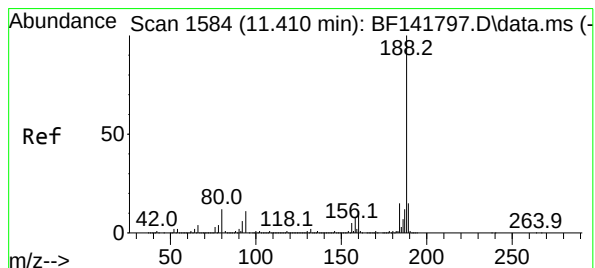
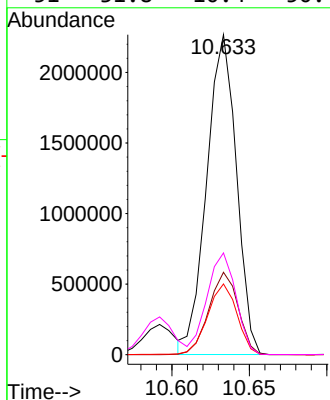
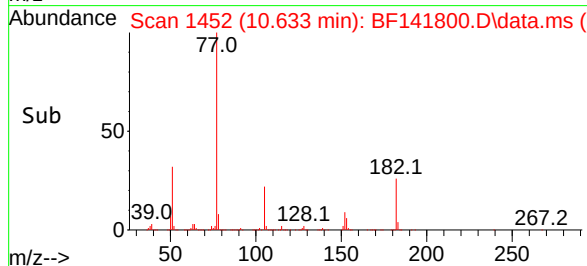
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

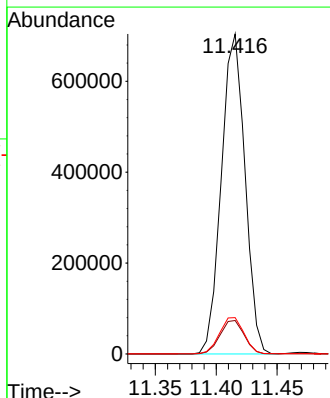
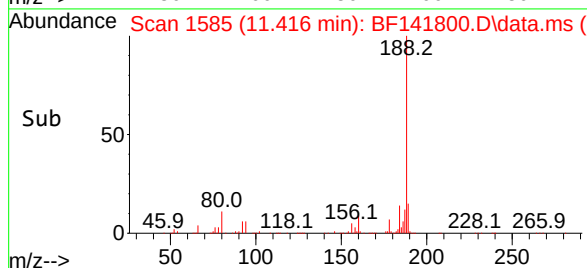
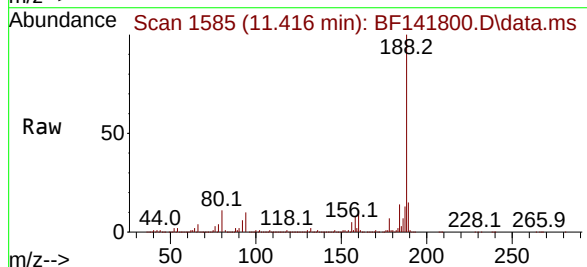
Manual Integrations
APPROVED

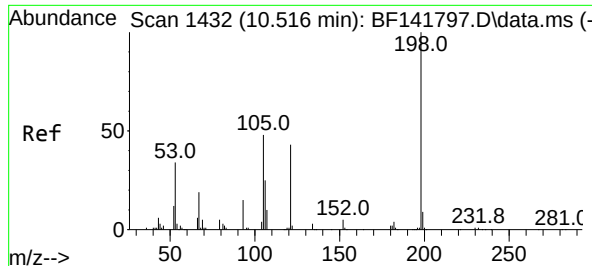
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

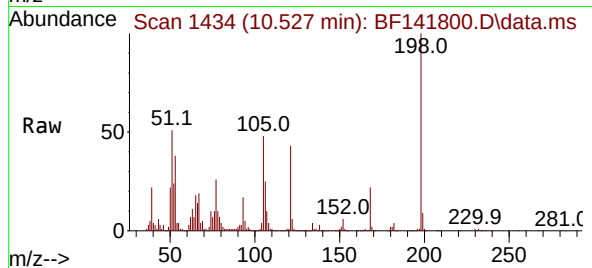
Tgt Ion:188 Resp: 953117
Ion Ratio Lower Upper
188 100
94 10.4 8.9 13.3
80 11.4 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 80.929 ng
RT: 10.527 min Scan# 1434
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

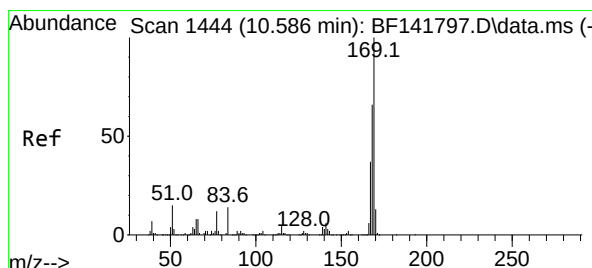
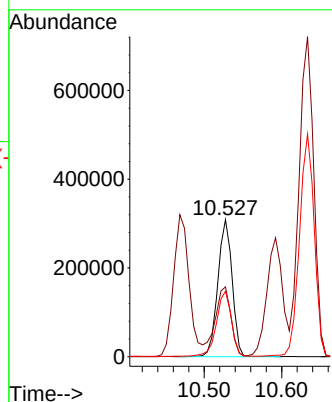
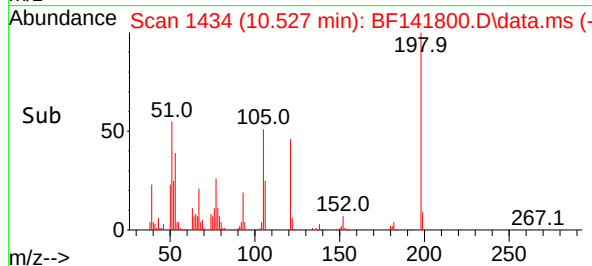
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

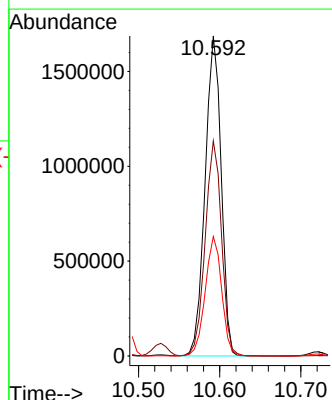
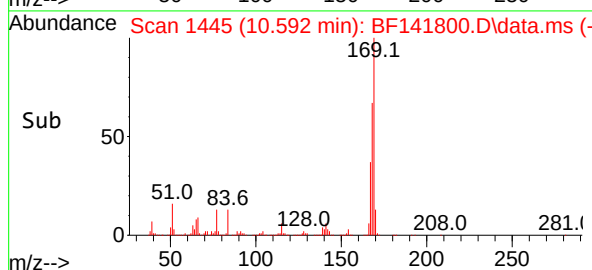
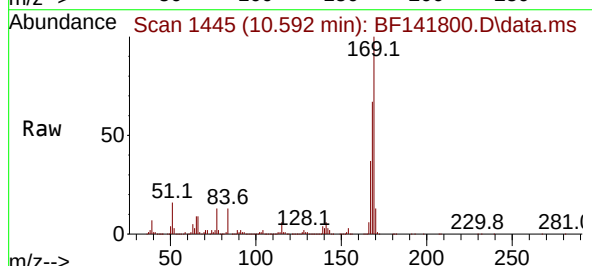
Manual Integrations
APPROVED

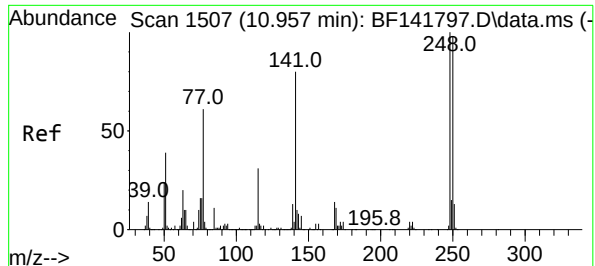
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

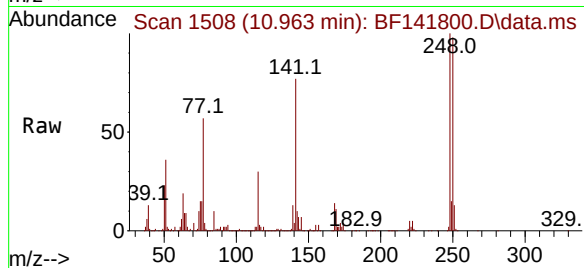
Tgt Ion:169 Resp: 2313580
Ion Ratio Lower Upper
169 100
168 67.2 53.0 79.6
167 37.3 29.3 43.9





#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

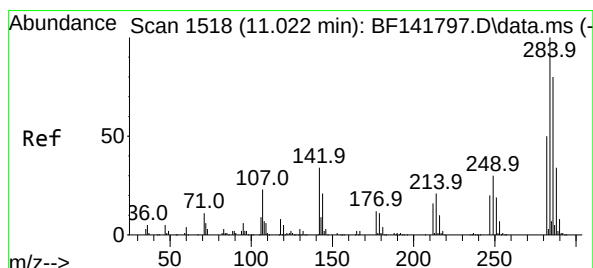
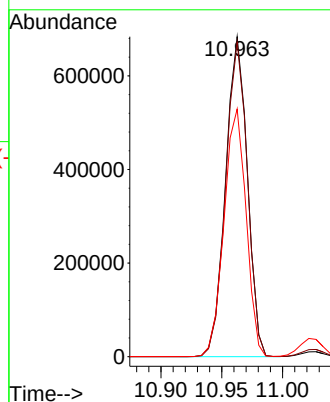
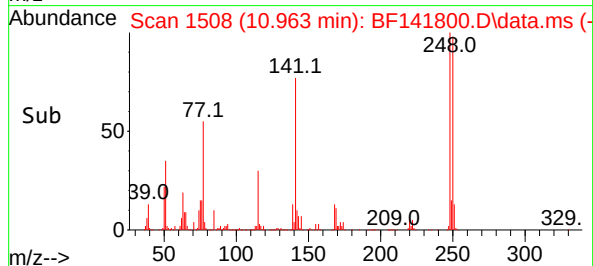
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

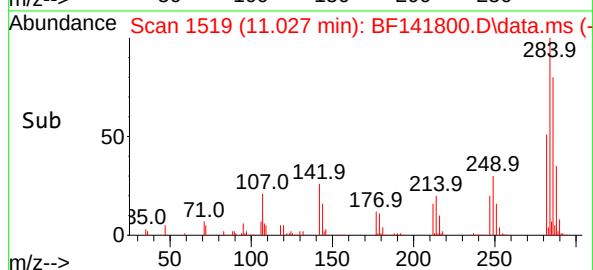
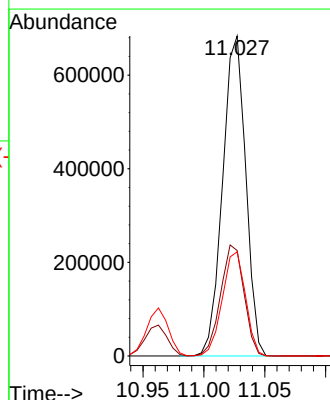
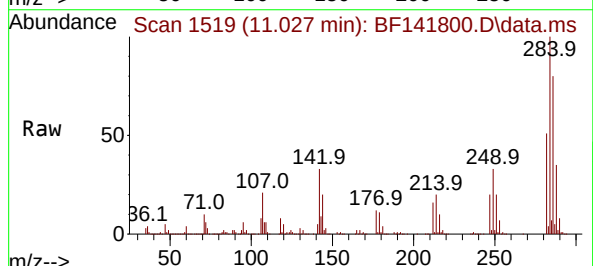
Manual Integrations
APPROVED

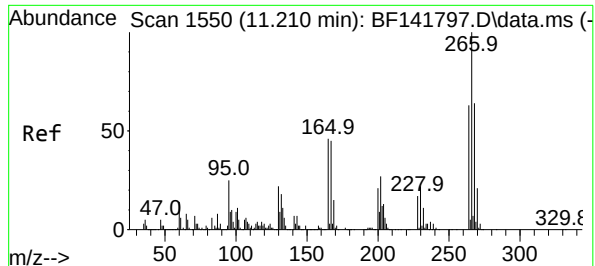
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

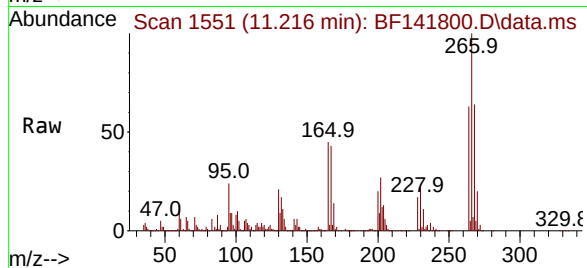
Tgt Ion:284 Resp: 902644
Ion Ratio Lower Upper
284 100
142 33.0 28.2 42.2
249 32.5 25.5 38.3





#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

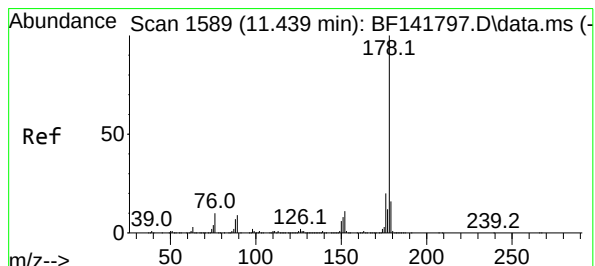
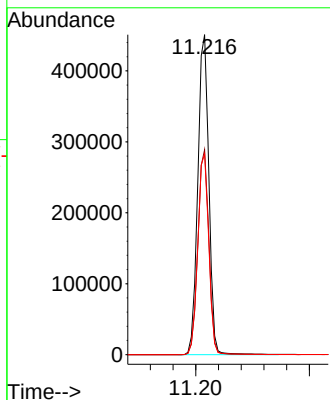
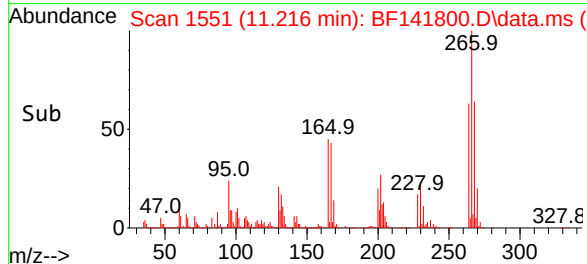
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

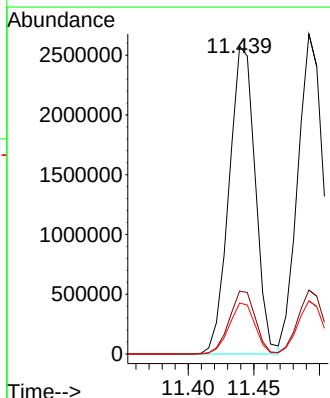
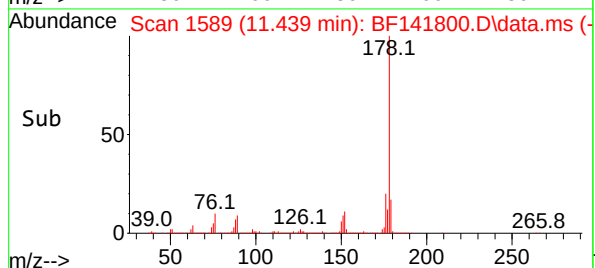
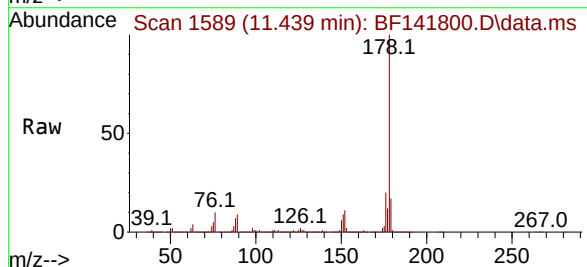
Manual Integrations
APPROVED

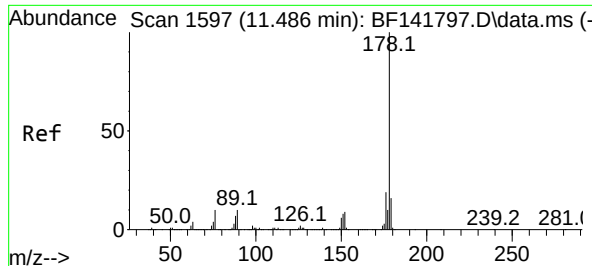
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

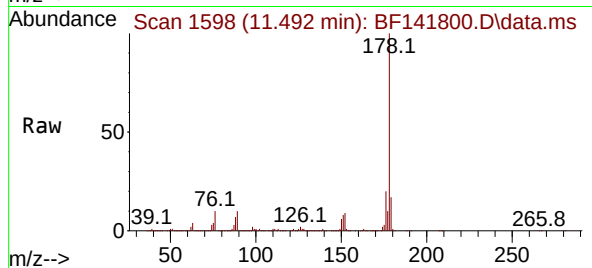
Tgt Ion:178 Resp: 3584436
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.5 12.6 19.0





#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

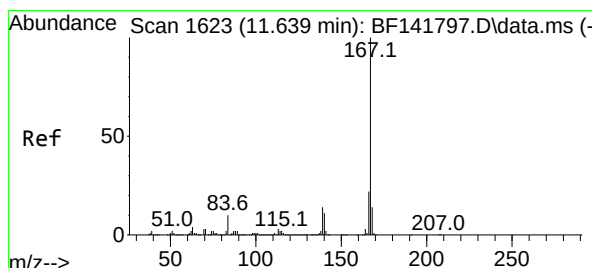
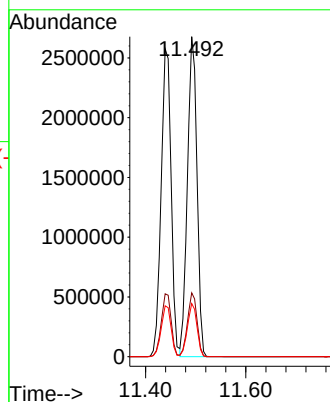
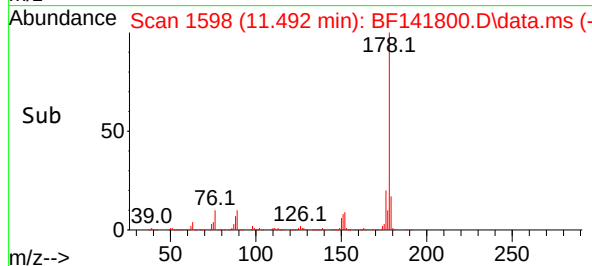
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

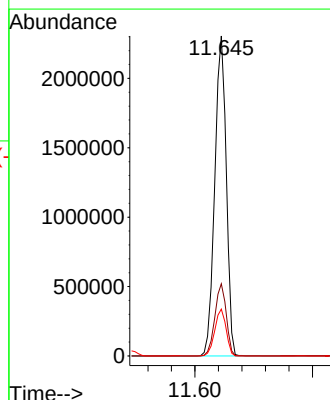
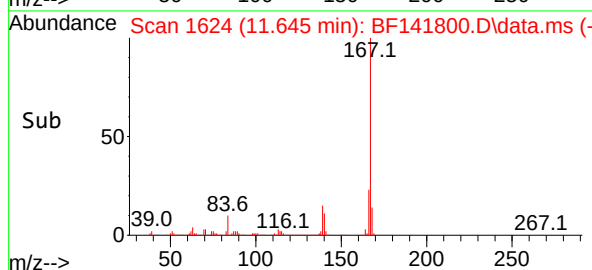
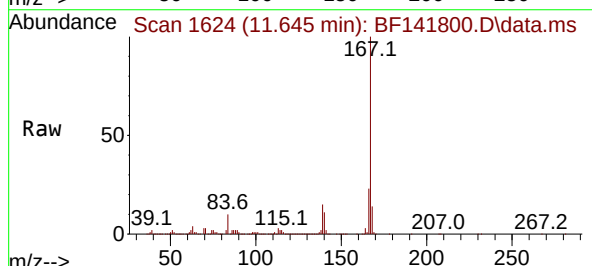
Manual Integrations
APPROVED

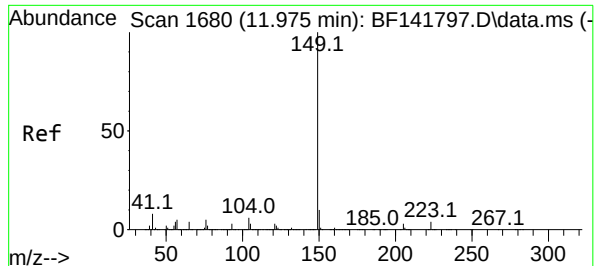
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

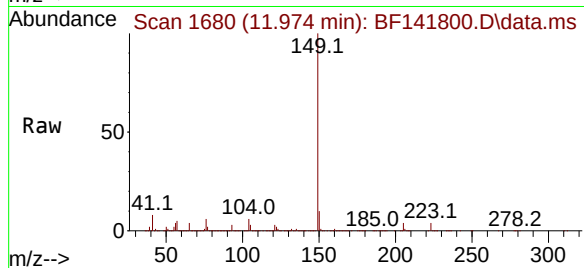
Tgt Ion:167 Resp: 3130504
Ion Ratio Lower Upper
167 100
166 22.6 17.5 26.3
139 14.7 11.3 16.9





#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

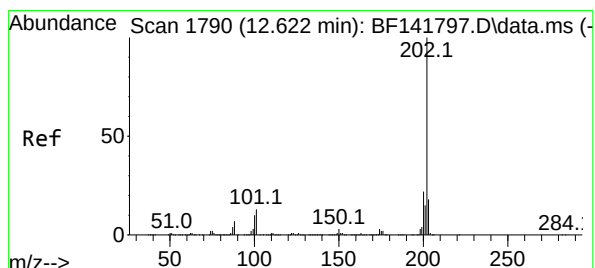
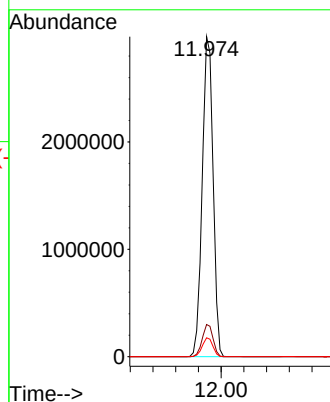
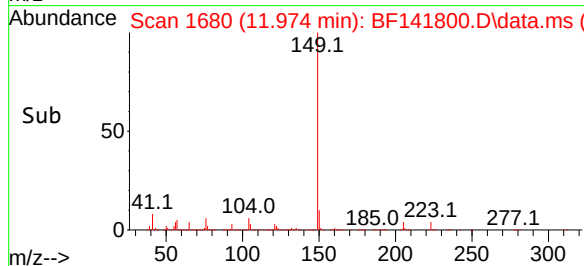
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

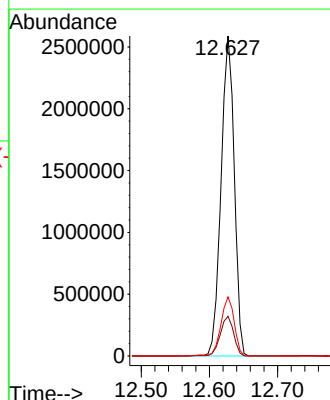
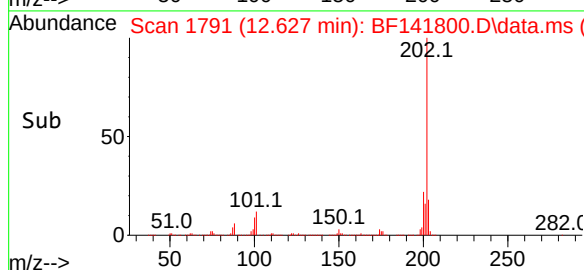
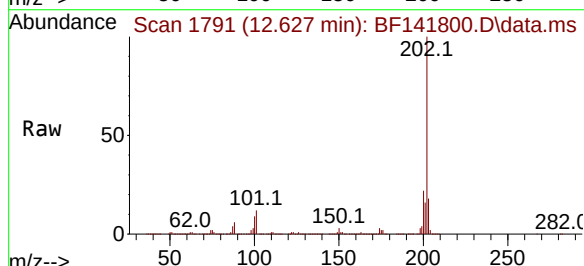
Manual Integrations
APPROVED

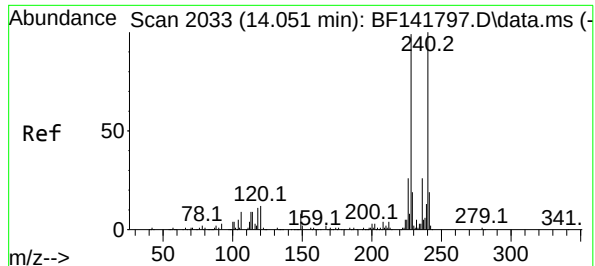
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

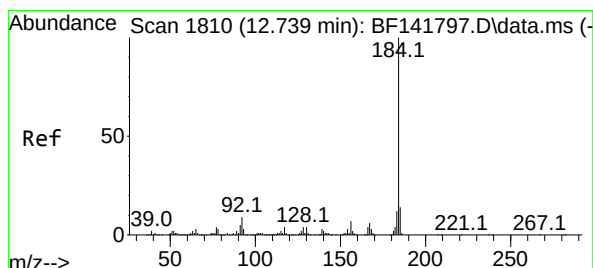
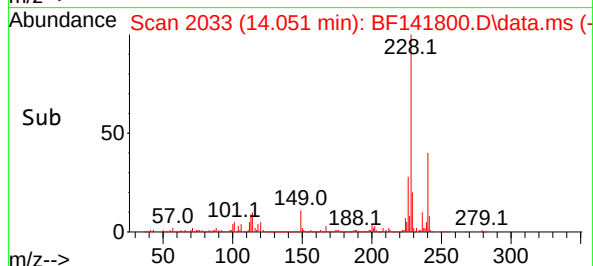
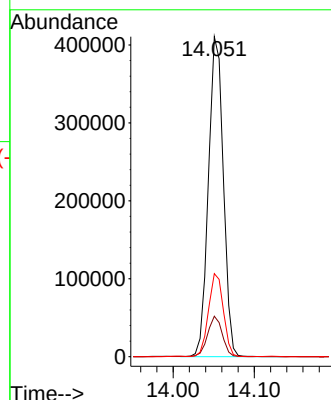
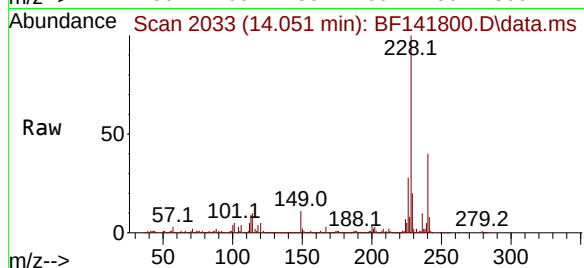
236 26.0 21.0 31.4

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

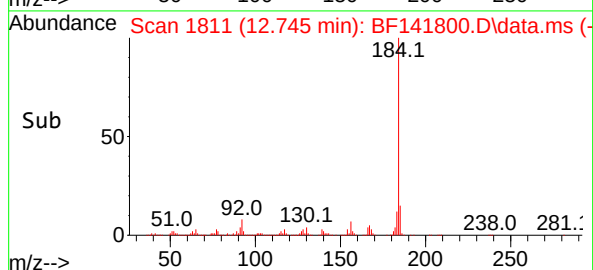
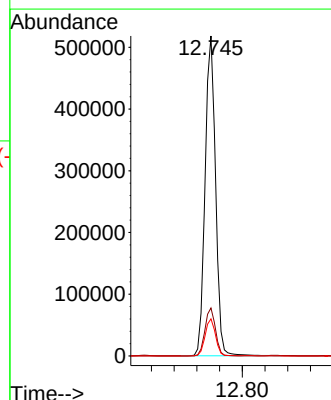
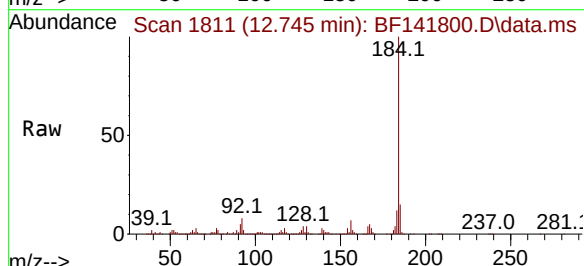
Tgt Ion:184 Resp: 660393

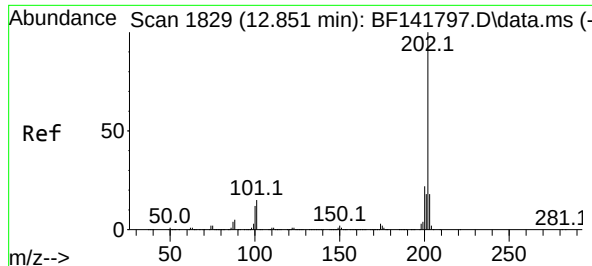
Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

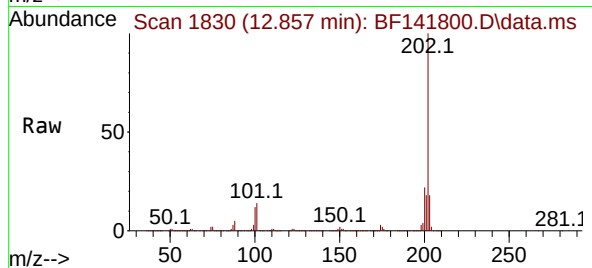
183 11.6 9.4 14.0





#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

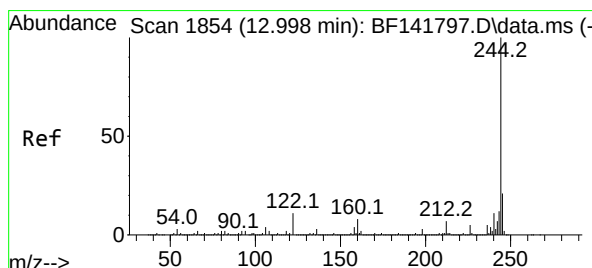
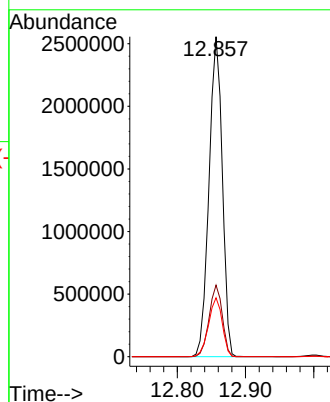
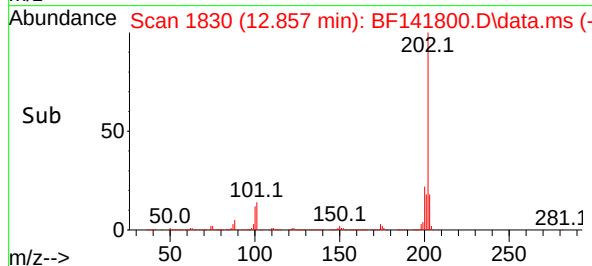
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 3466035
Ion Ratio Lower Upper
202 100
200 22.4 17.4 26.0
203 18.4 14.6 22.0

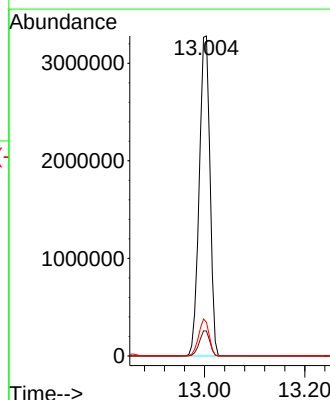
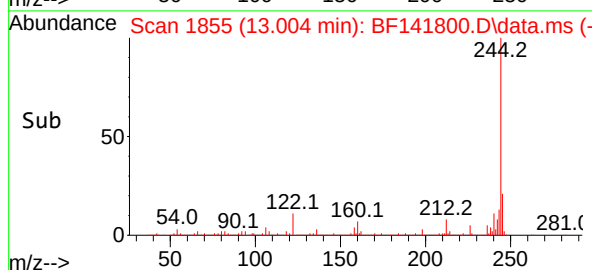
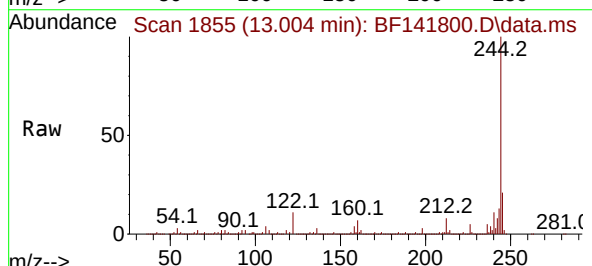
Manual Integrations
APPROVED

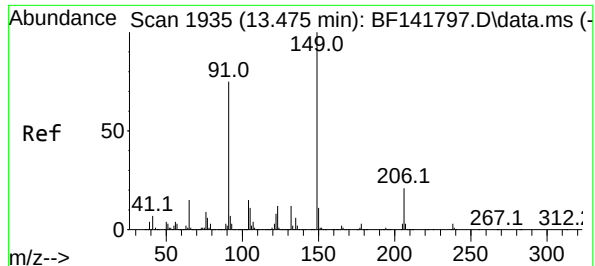
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

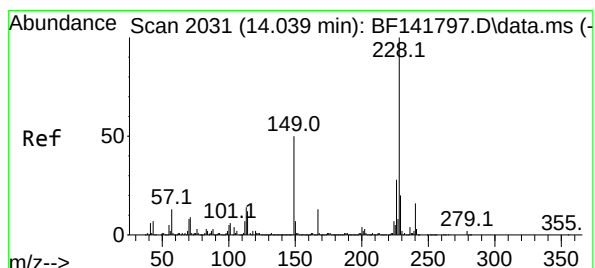
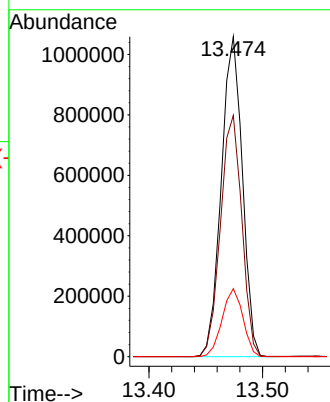
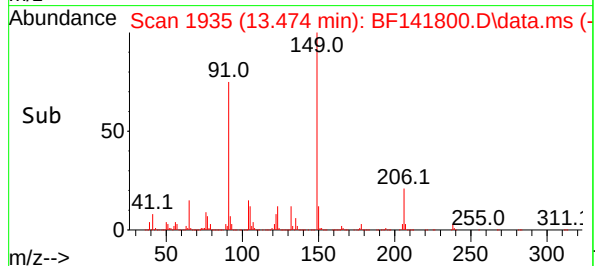
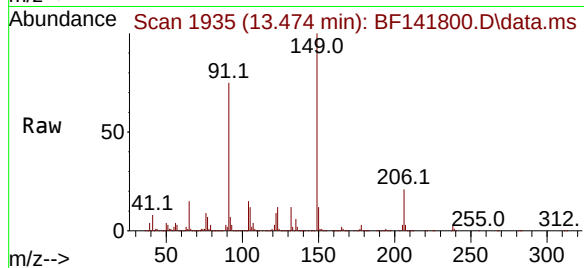
206 21.2 16.8 25.2

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

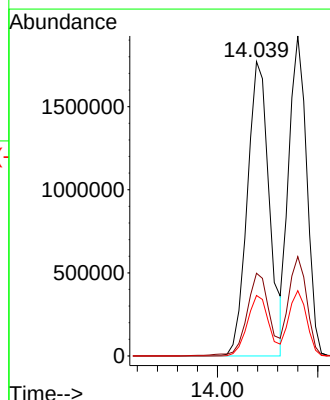
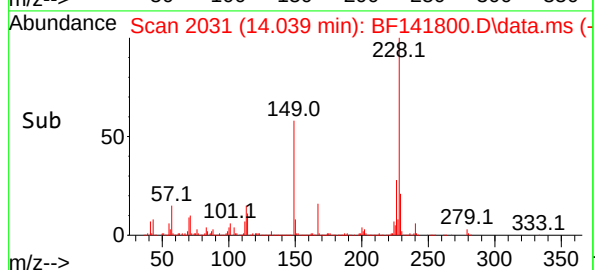
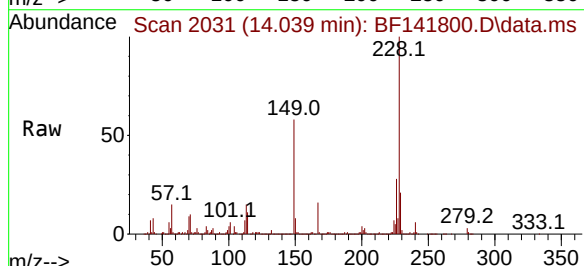
Tgt Ion:228 Resp: 2703093

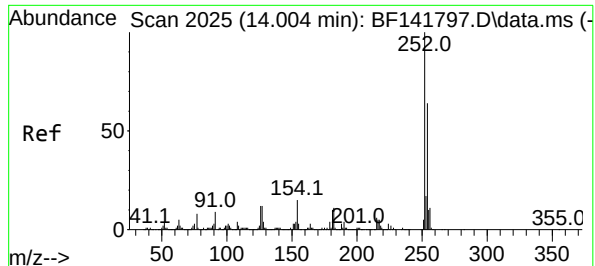
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

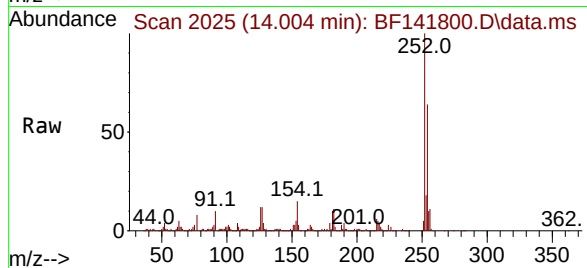
229 20.6 16.1 24.1





#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

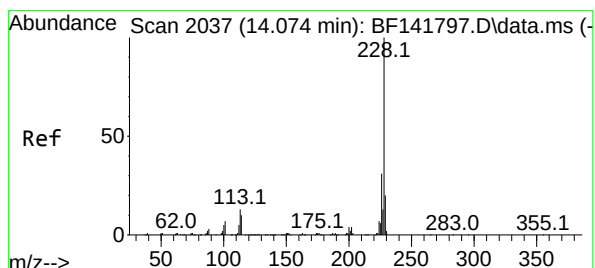
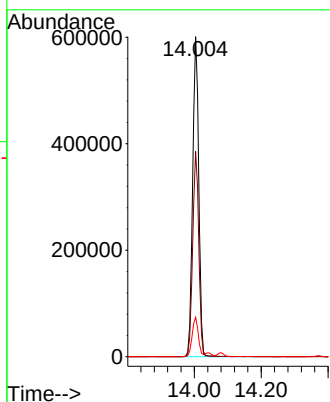
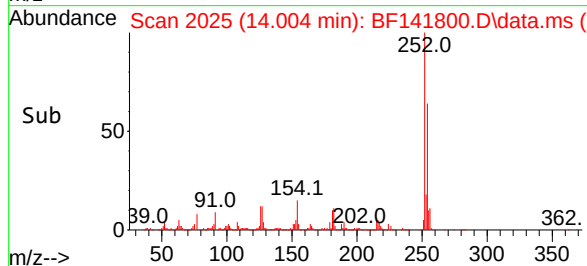
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

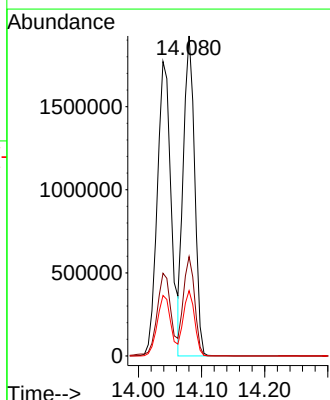
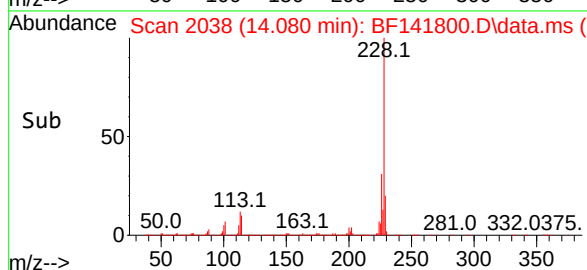
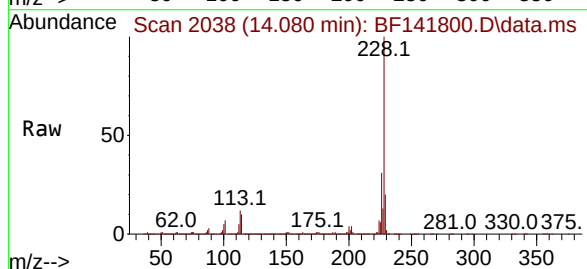
Manual Integrations
APPROVED

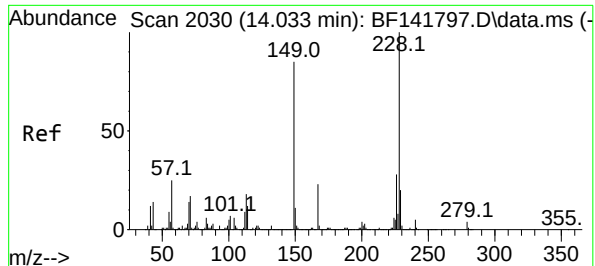
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

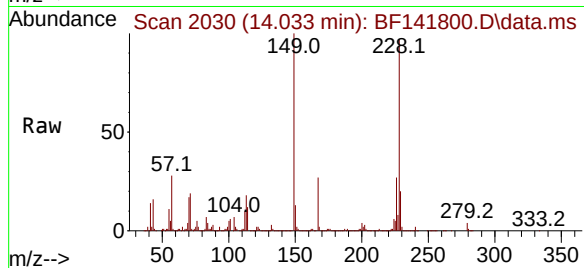
Tgt Ion:228 Resp: 2394861
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 20.4 16.1 24.1





#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

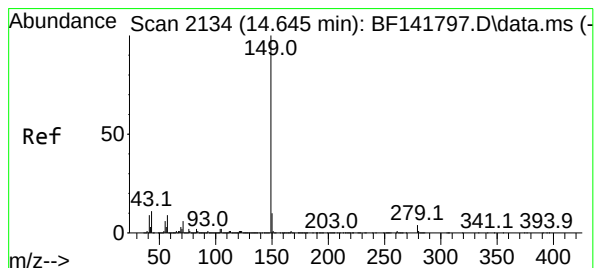
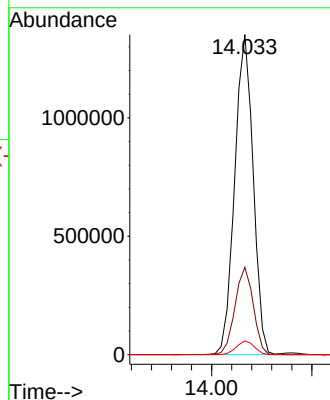
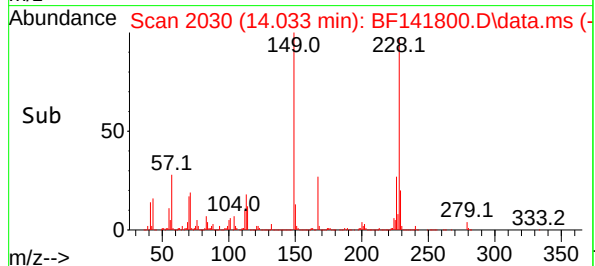
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

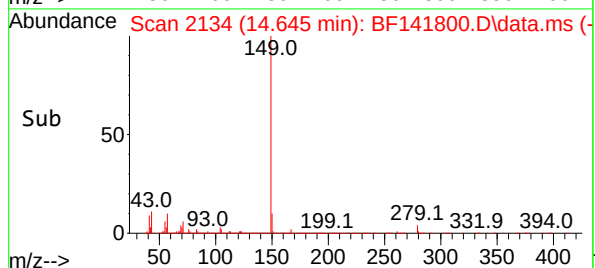
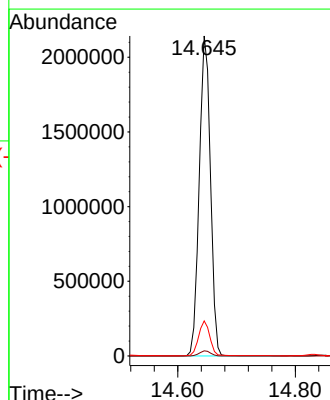
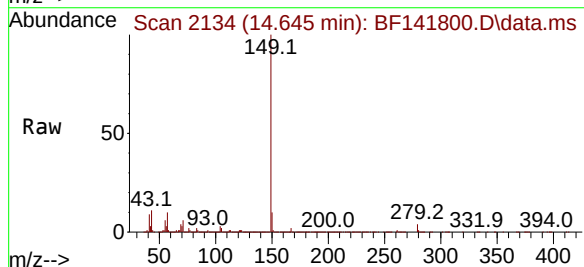
Manual Integrations
APPROVED

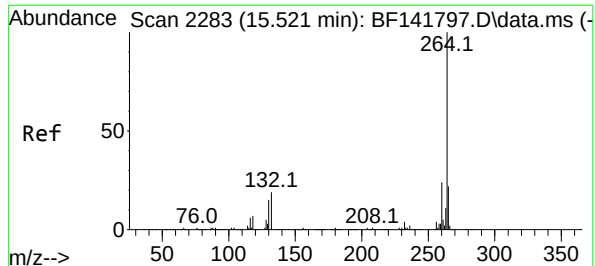
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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





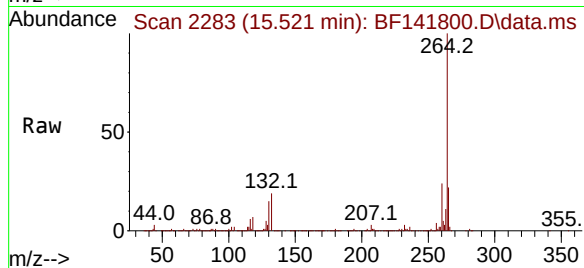
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

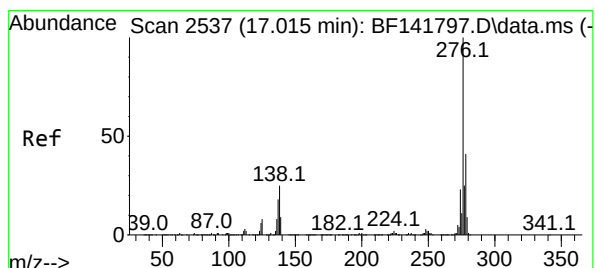
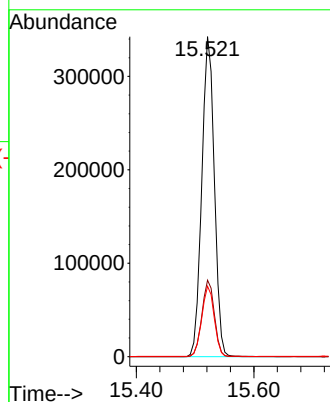
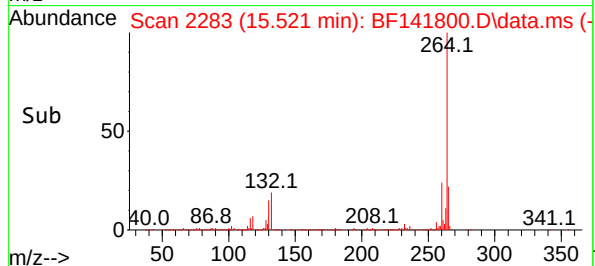


Tgt Ion:264 Resp: 508610
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.0 17.4 26.0

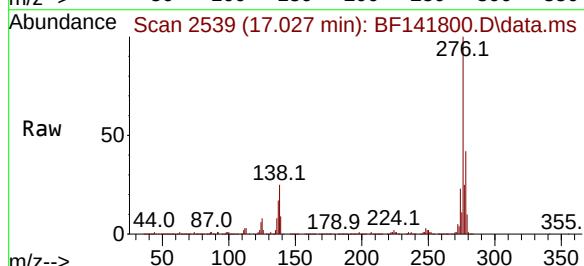
Manual Integrations

APPROVED

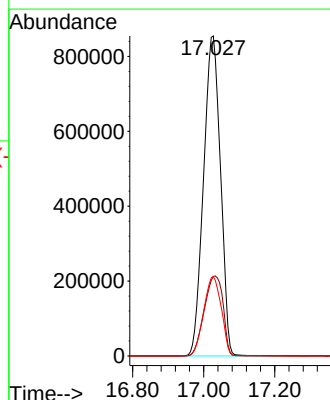
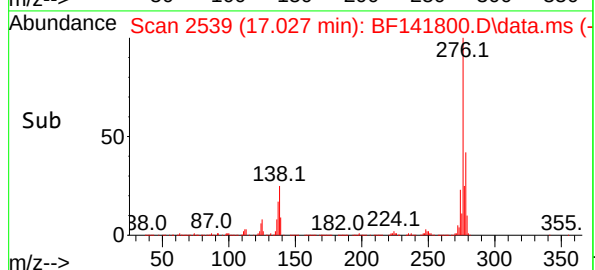
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

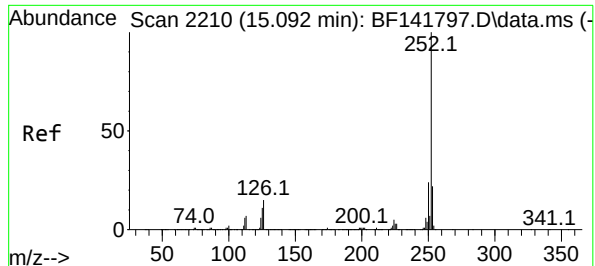


#87
Indeno(1,2,3-cd)pyrene
Concen: 87.778 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45



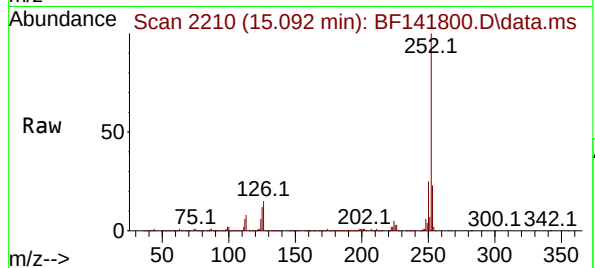
Tgt Ion:276 Resp: 2842850
Ion Ratio Lower Upper
276 100
138 27.7 22.5 33.7
277 25.7 20.3 30.5





#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

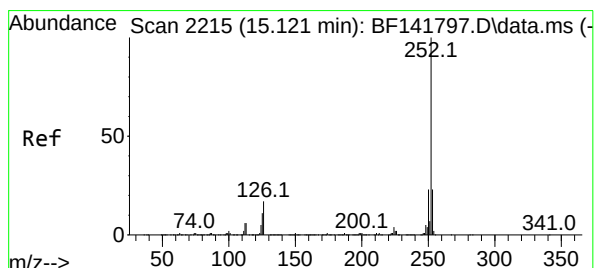
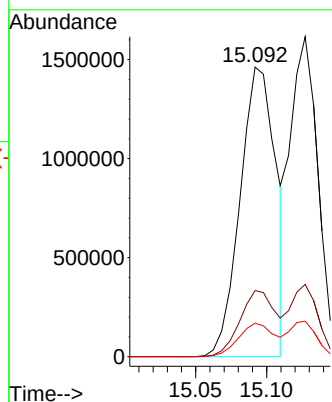
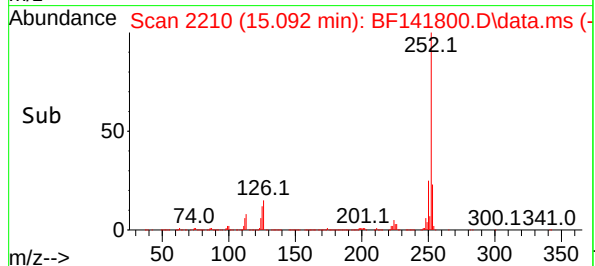
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

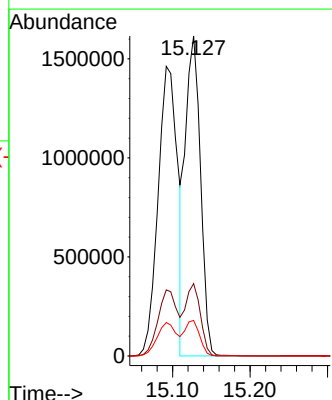
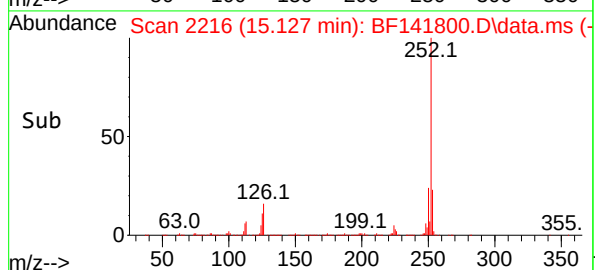
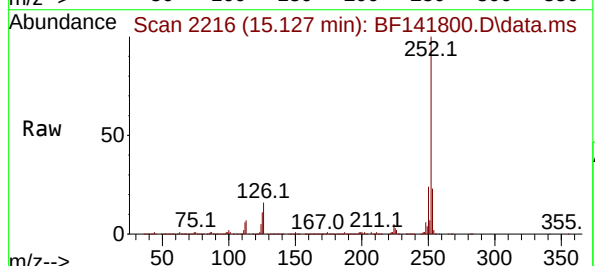
Manual Integrations
APPROVED

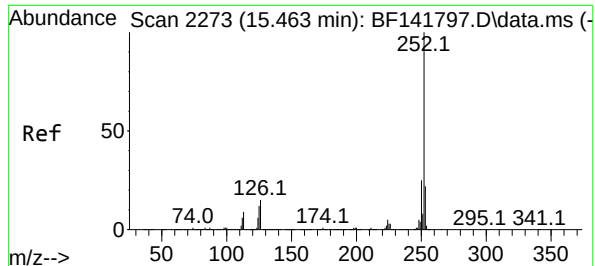
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

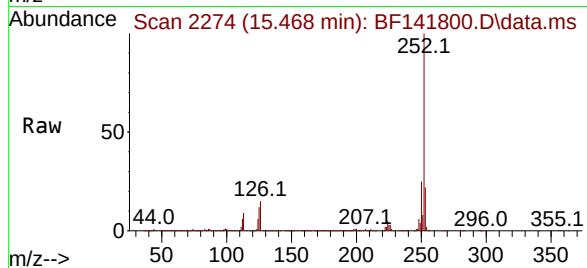
Tgt Ion:252 Resp: 2184261
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.1 8.8 13.2





#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

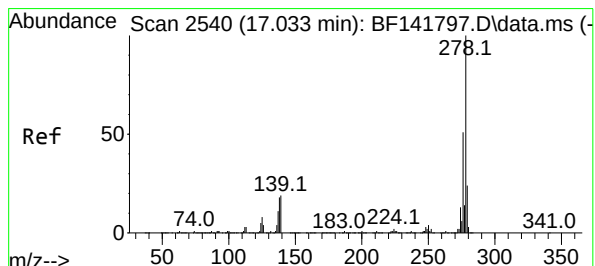
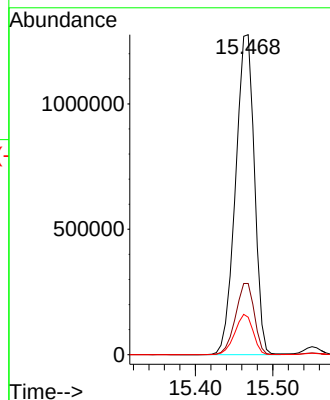
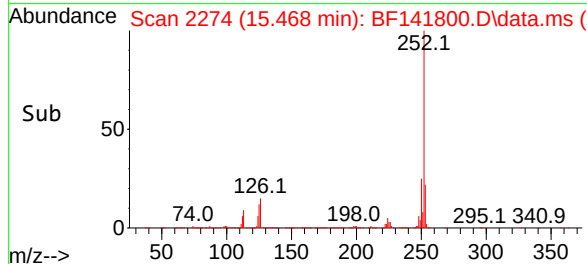
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

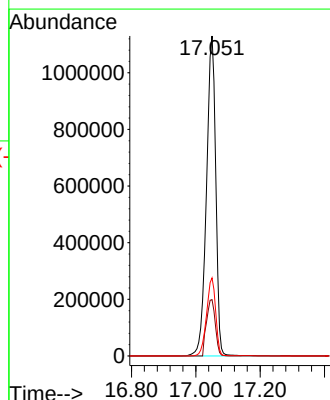
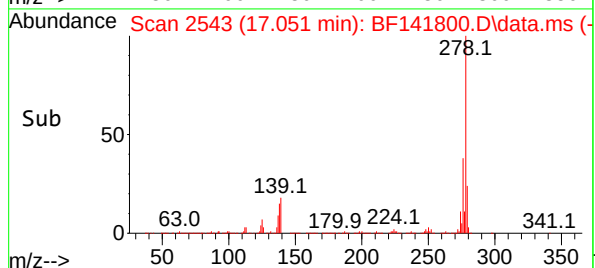
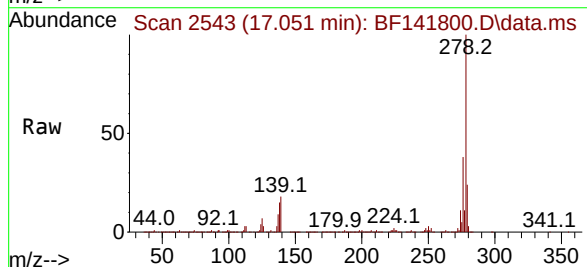
Manual Integrations
APPROVED

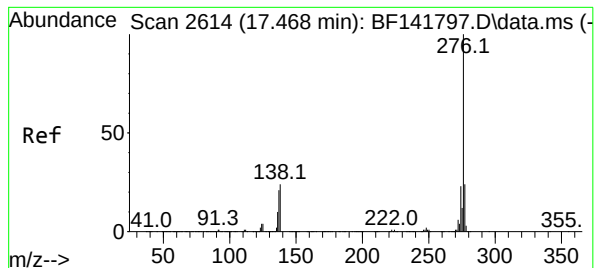
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#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

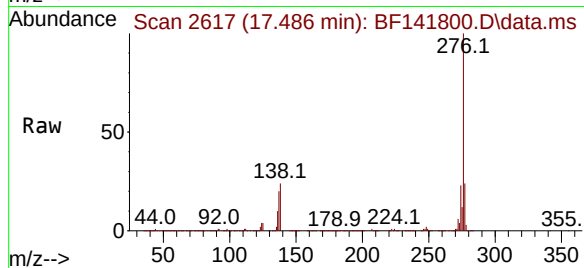
Acq: 27 Feb 2025 18:45

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 239775

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

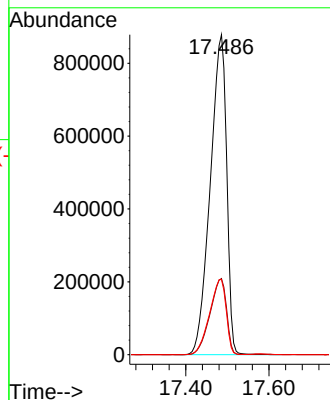
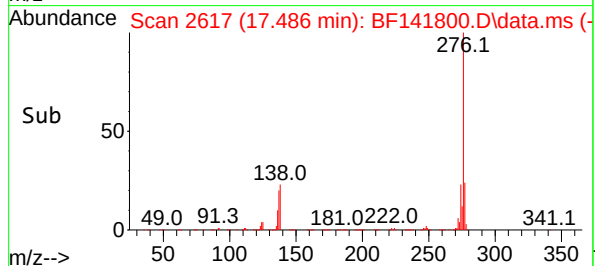
138 23.5 19.3 28.9

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

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)
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

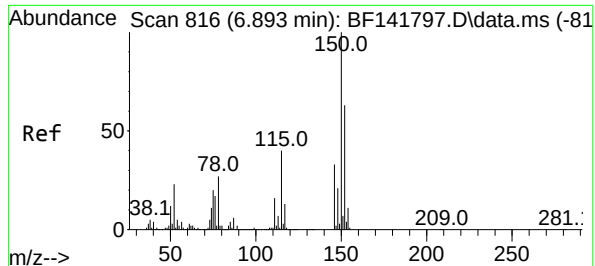
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Abundance

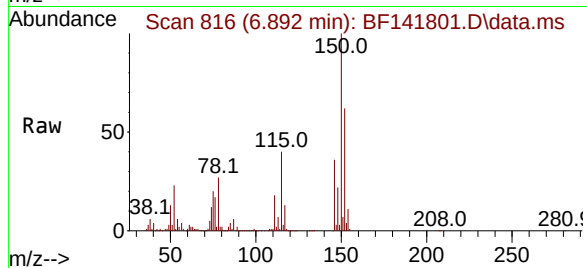
TIC: BF141801.D\data.ms

Time-->

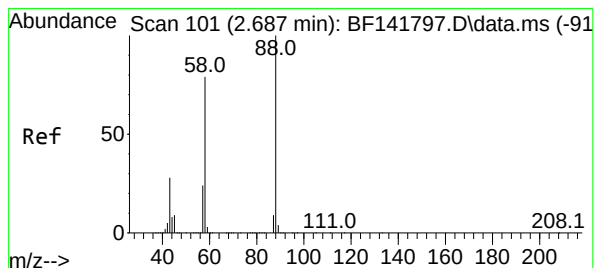
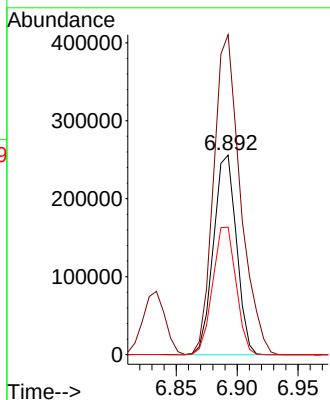
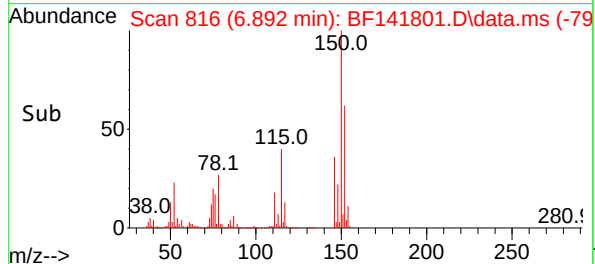


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

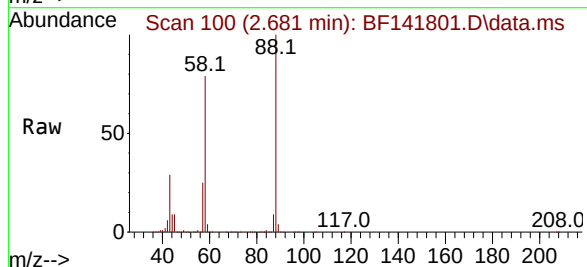
Instrument :
BNA_F
ClientSampleId :
ICVBF022725



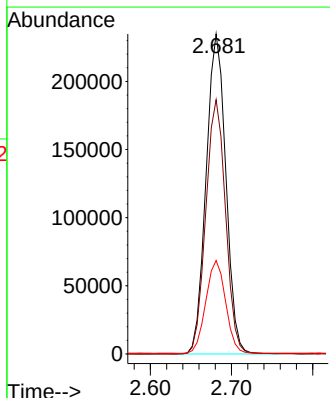
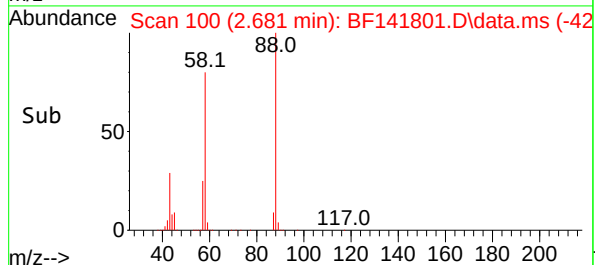
Tgt Ion:152 Resp: 336406
Ion Ratio Lower Upper
152 100
150 160.3 127.5 191.3
115 63.9 51.4 77.2

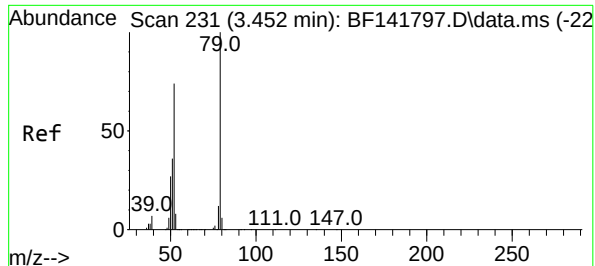


#2
1,4-Dioxane
Concen: 41.486 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45



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 :

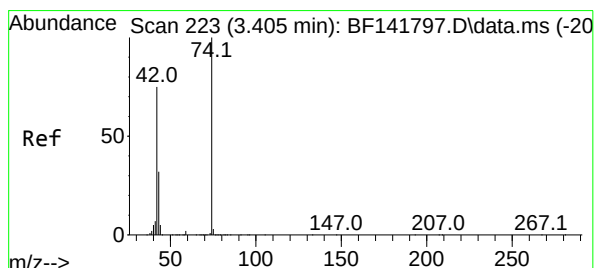
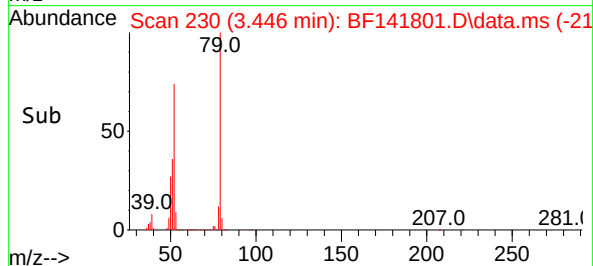
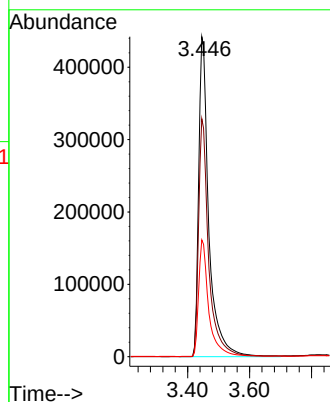
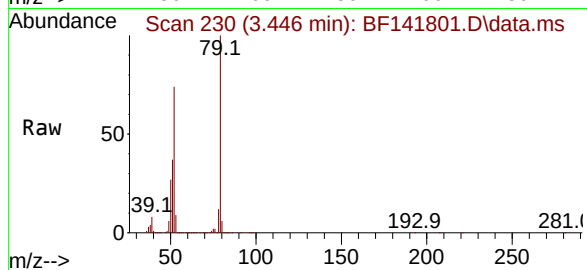
BNA_F

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

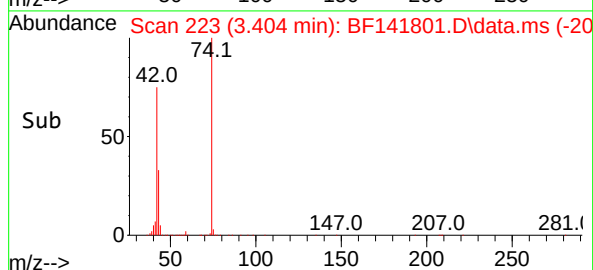
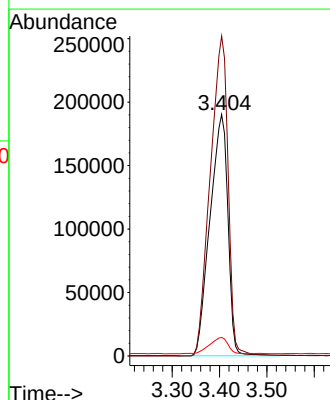
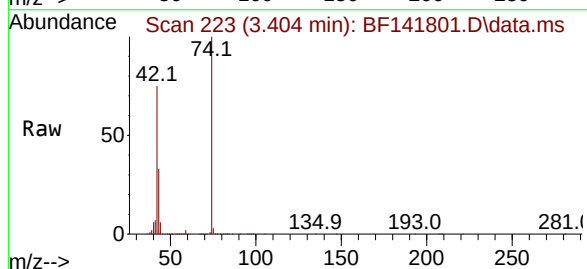
Delta R.T. -0.000 min

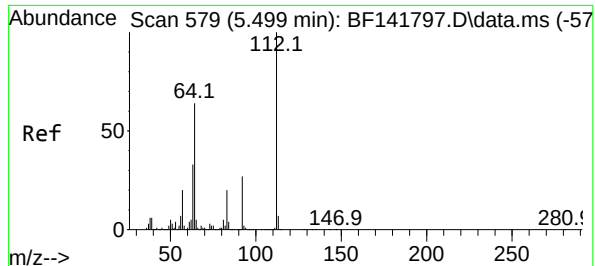
Lab File: BF141801.D

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

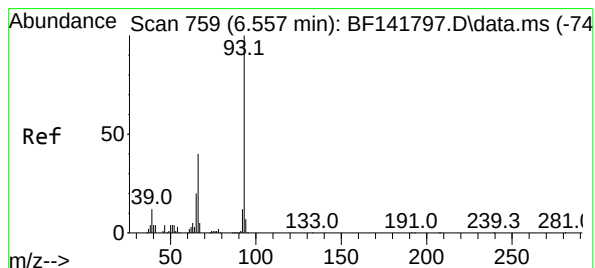
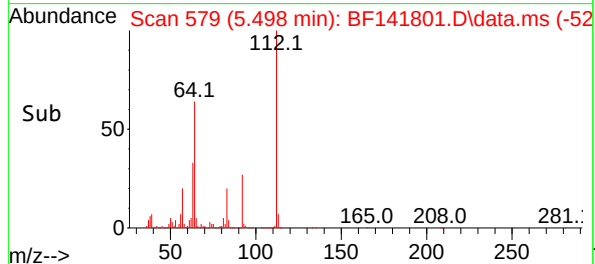
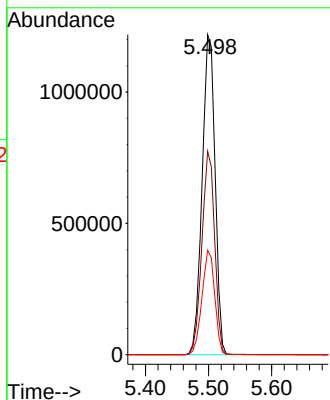
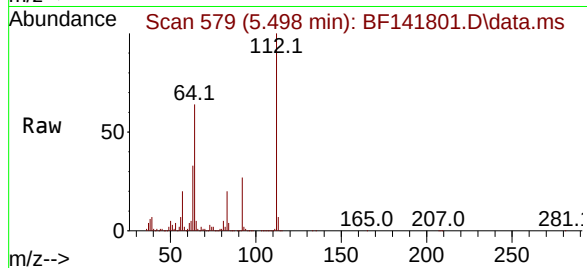




#5
2-Fluorophenol
Concen: 82.443 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

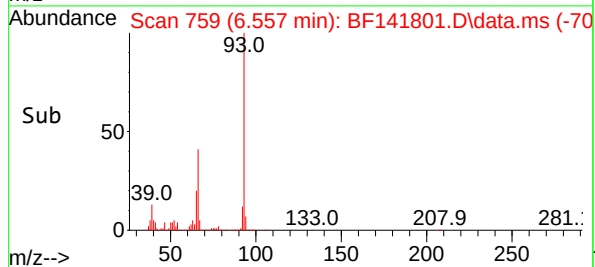
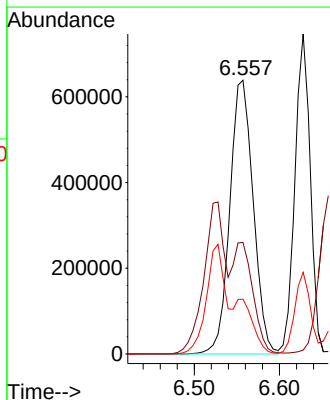
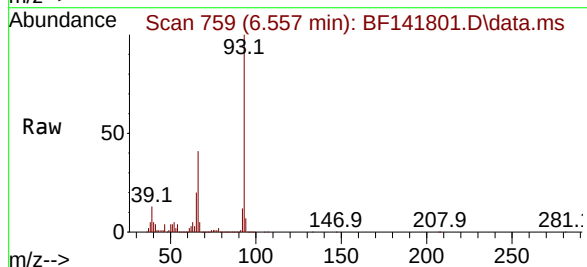
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

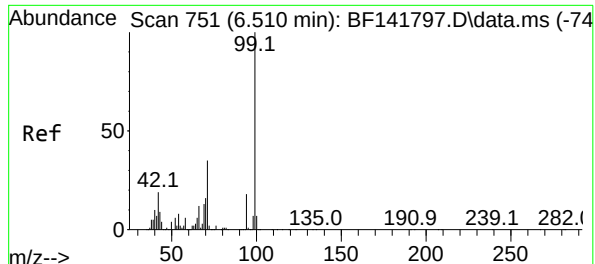
Tgt Ion:112 Resp: 1736670
Ion Ratio Lower Upper
112 100
64 63.5 51.3 76.9
63 32.6 26.2 39.4



#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 :

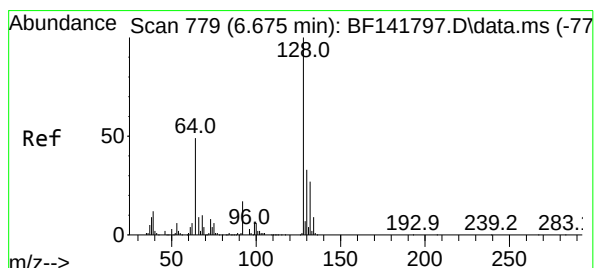
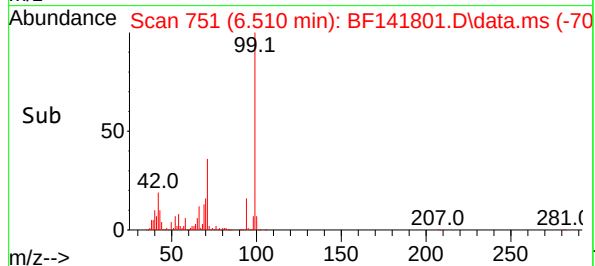
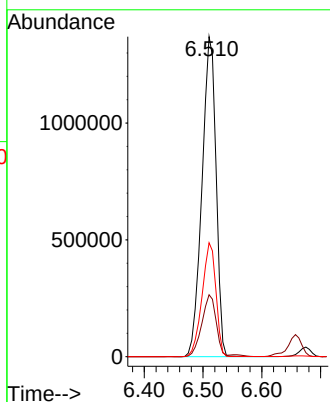
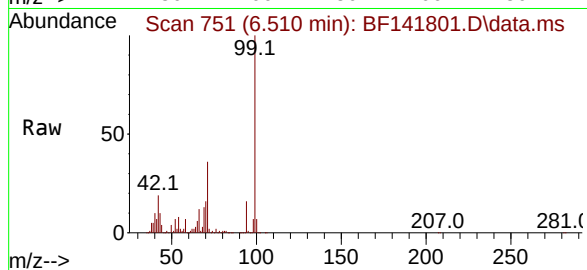
BNA_F

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

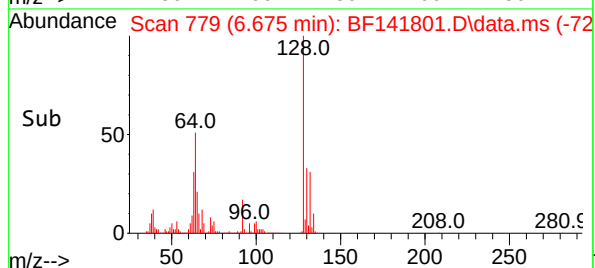
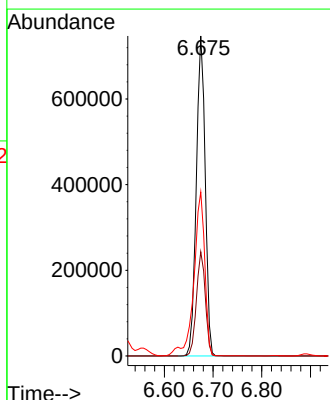
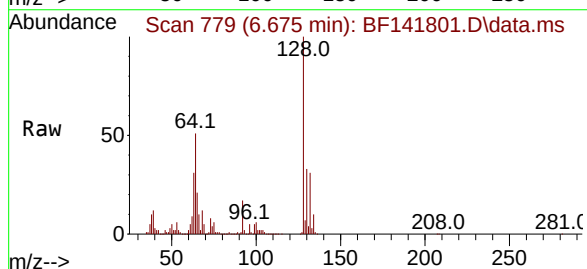
Delta R.T. -0.000 min

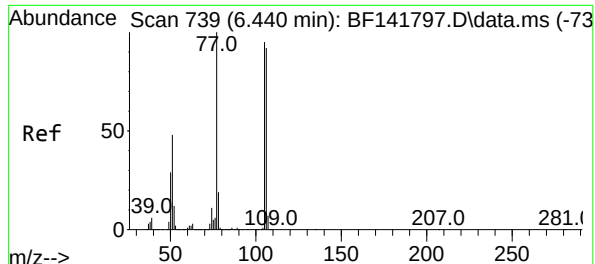
Lab File: BF141801.D

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 :

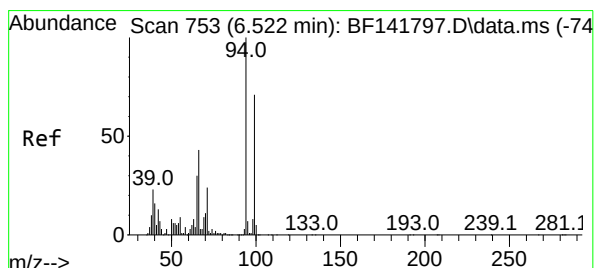
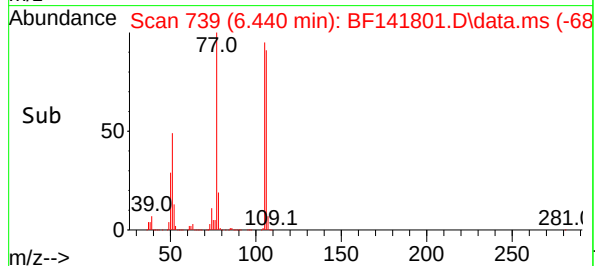
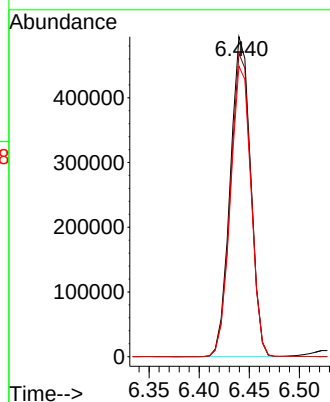
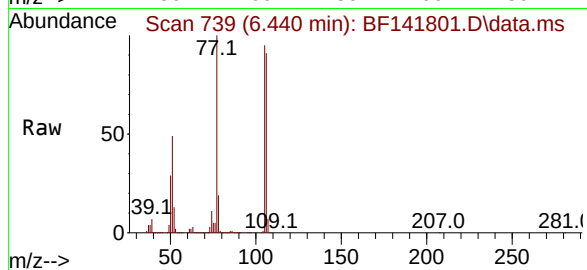
BNA_F

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

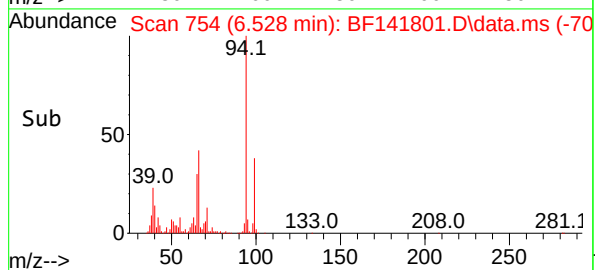
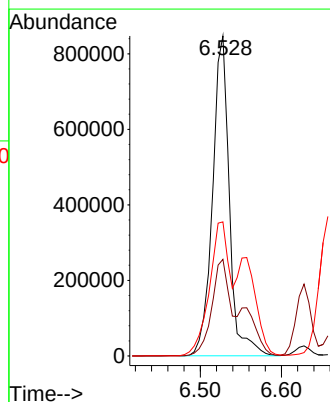
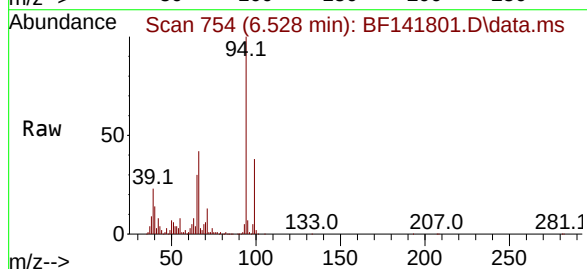
Delta R.T. 0.006 min

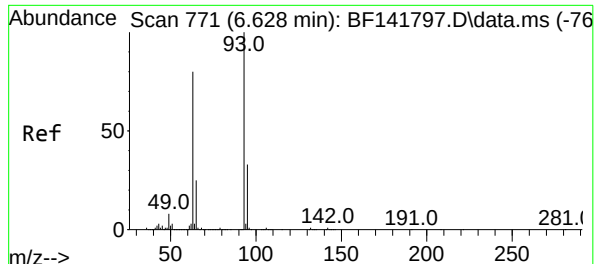
Lab File: BF141801.D

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 :

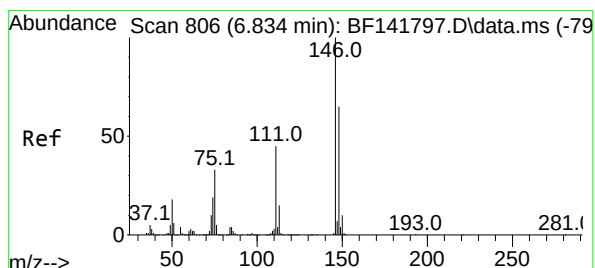
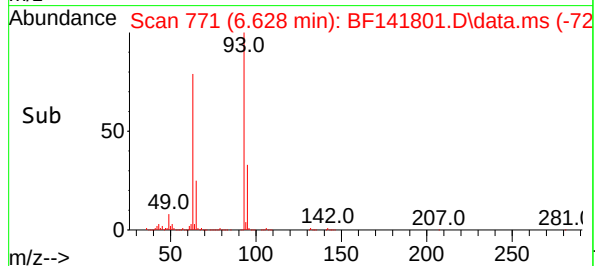
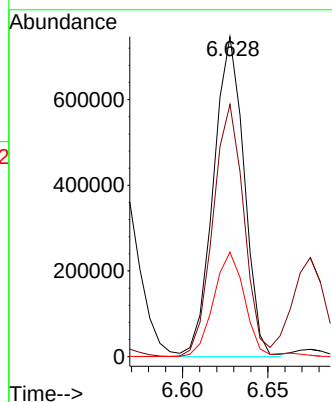
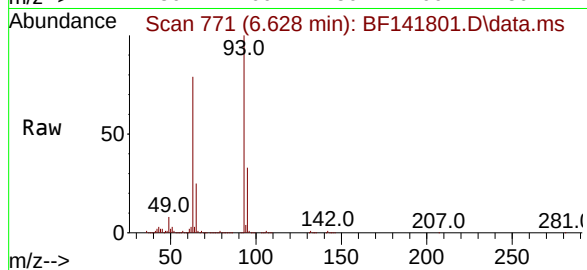
BNA_F

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

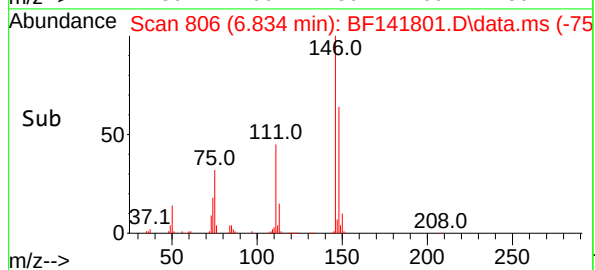
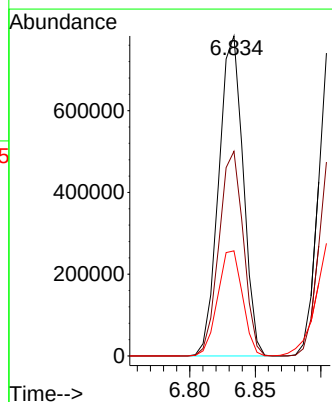
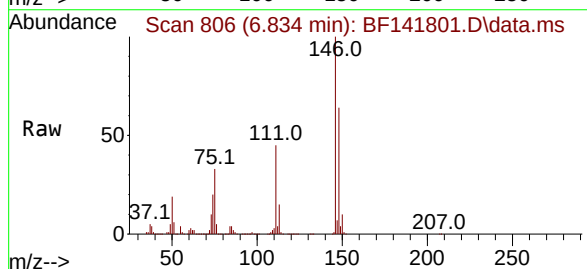
Delta R.T. -0.000 min

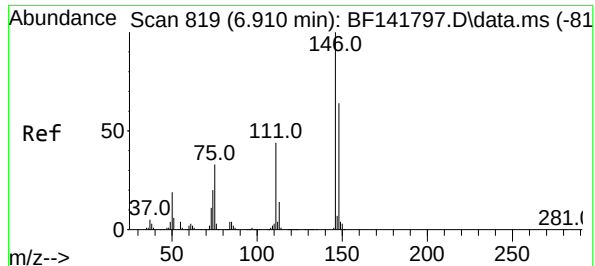
Lab File: BF141801.D

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

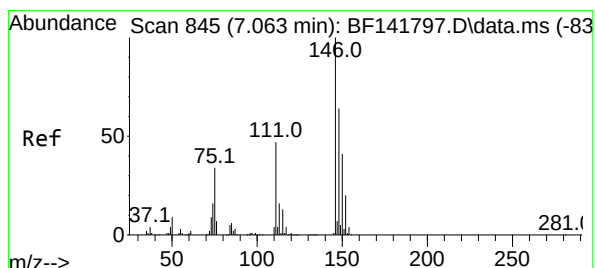
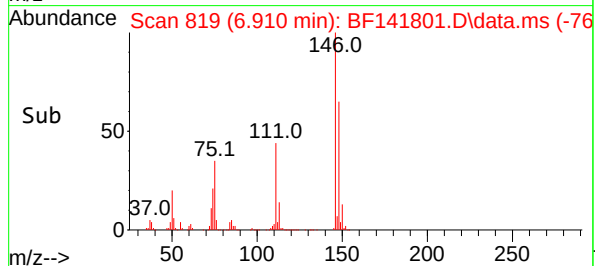
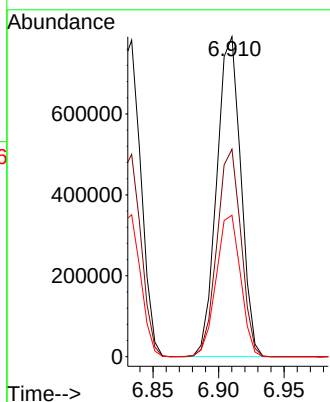
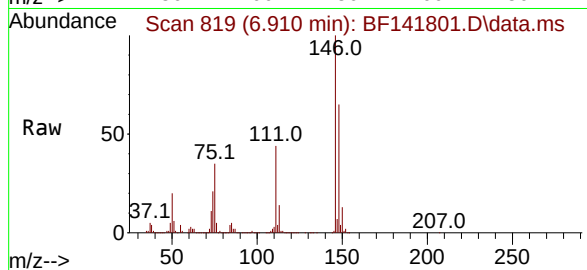
Tgt Ion:146 Resp: 1009763

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

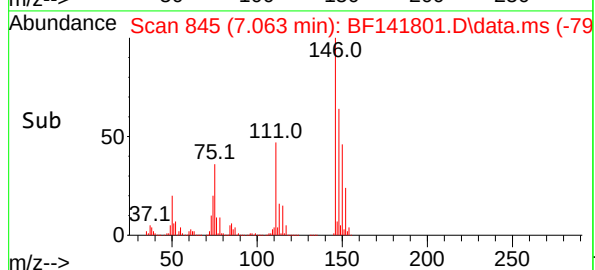
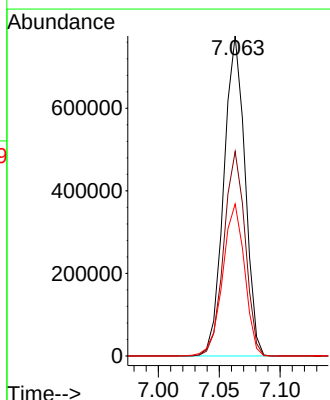
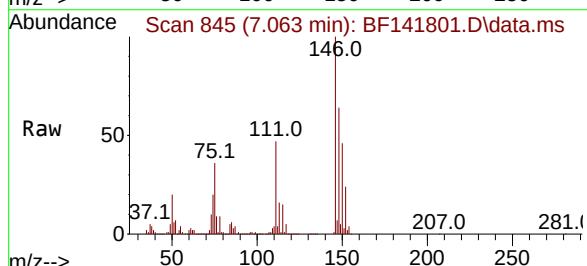
Tgt Ion:146 Resp: 938112

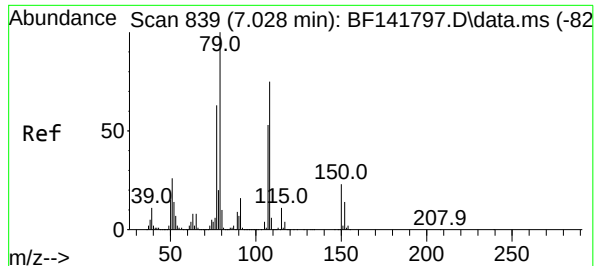
Ion Ratio Lower Upper

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

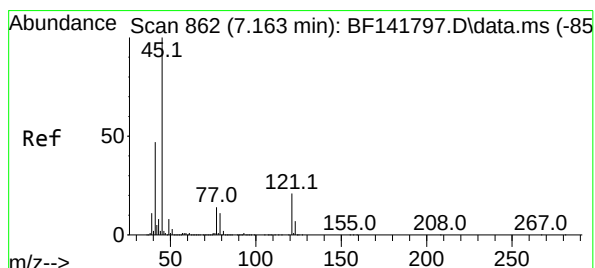
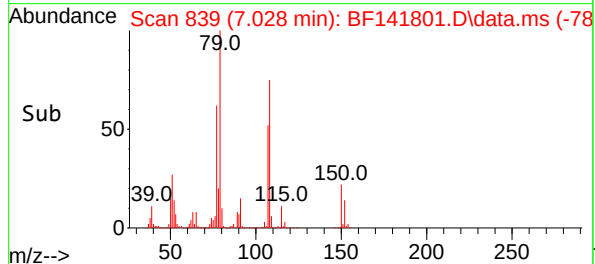
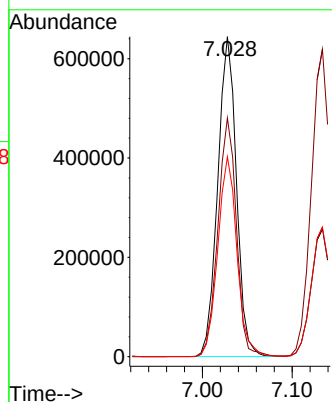
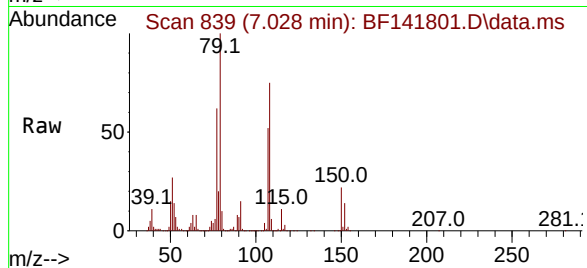
Tgt Ion: 79 Resp: 932679

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

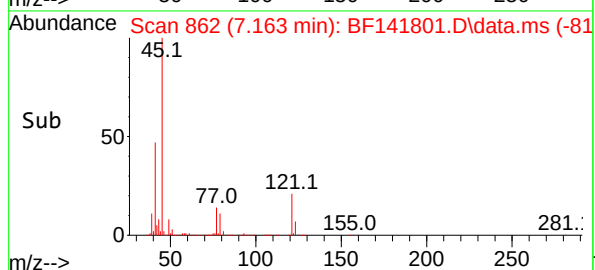
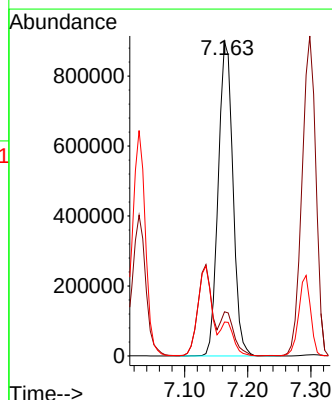
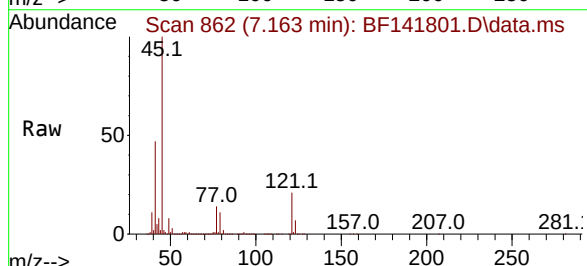
Tgt Ion: 45 Resp: 1447535

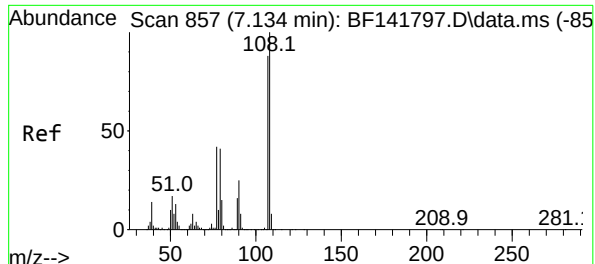
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.4

79 10.8 0.0 30.9

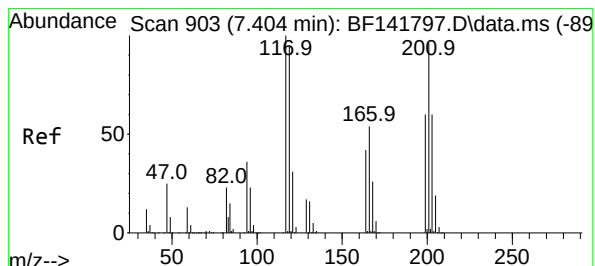
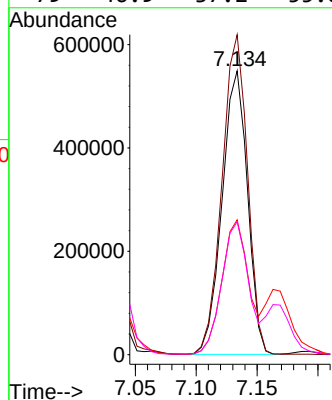
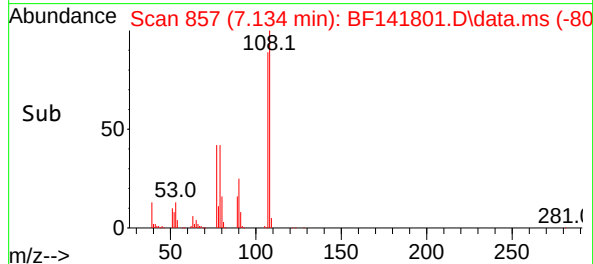
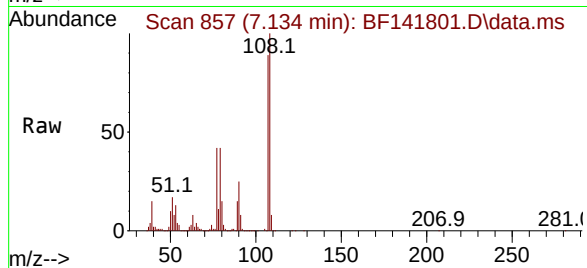




#17
2-Methylphenol
Concen: 42.365 ng
RT: 7.134 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

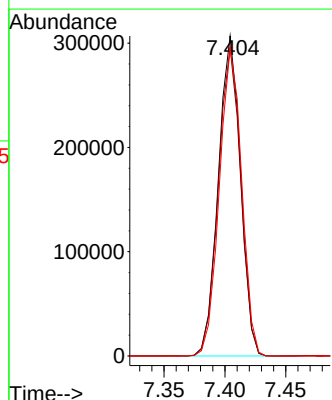
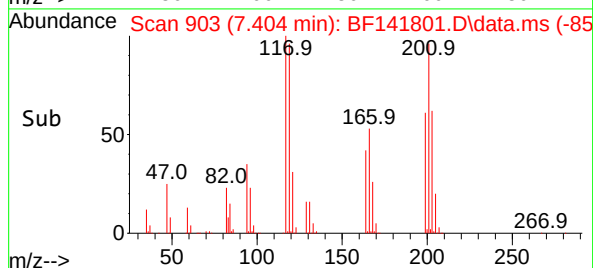
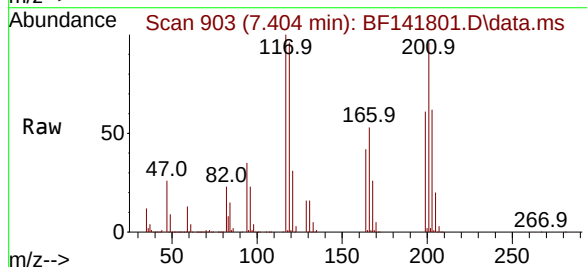
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

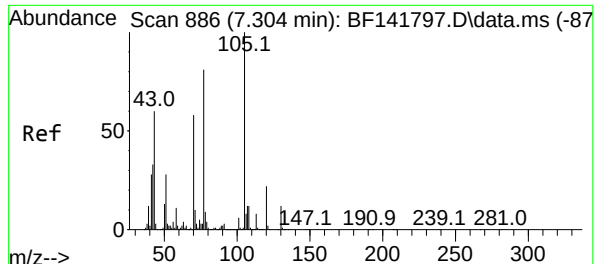
Tgt Ion:107 Resp: 796850
Ion Ratio Lower Upper
107 100
108 112.8 90.6 135.8
77 47.6 37.7 56.5
79 46.9 37.2 55.8



#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

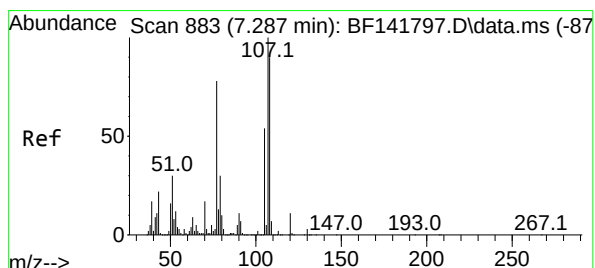
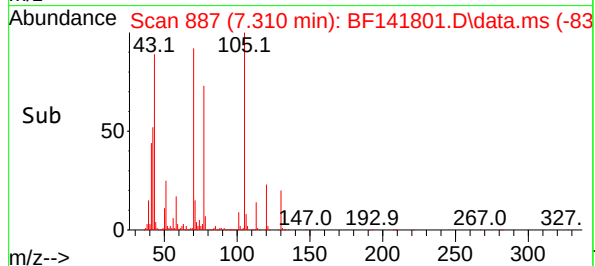
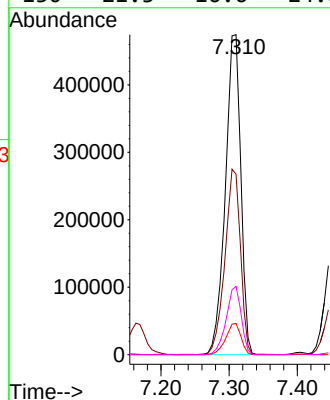
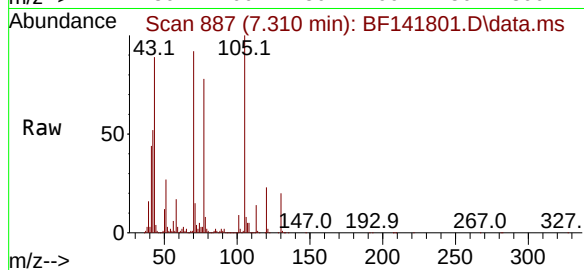
Ion Ratio Lower Upper

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

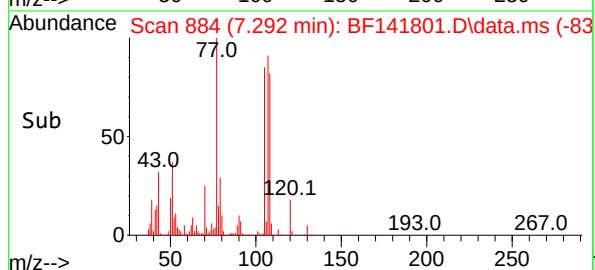
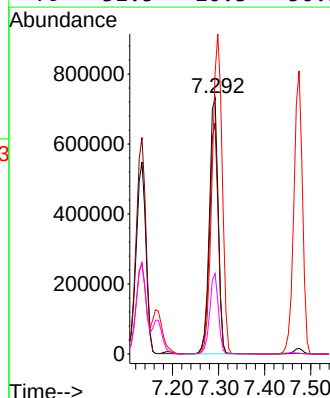
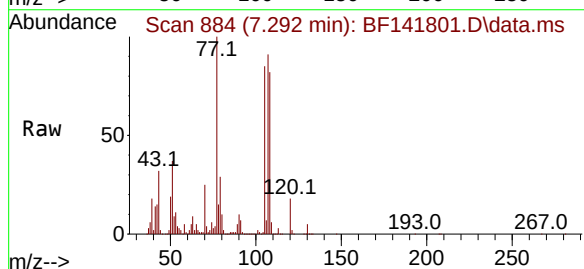
Ion Ratio Lower Upper

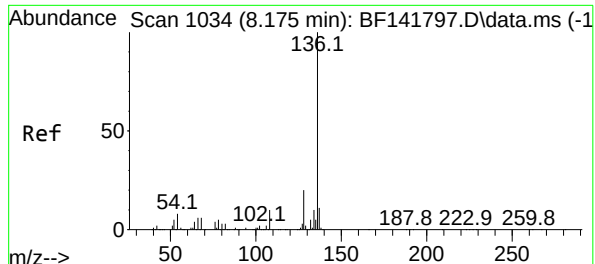
107 100

108 90.2 69.7 109.7

77 109.8 58.3 98.3#

79 31.5 10.3 50.3

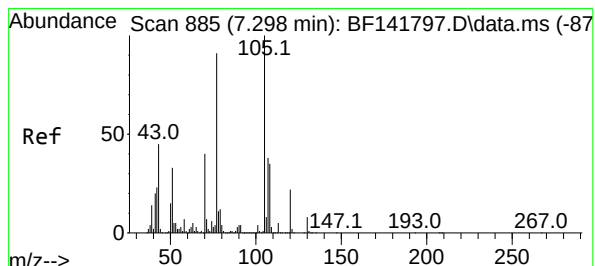
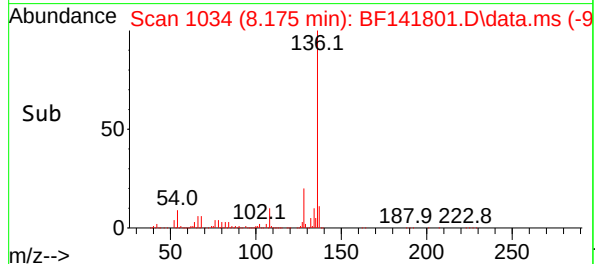
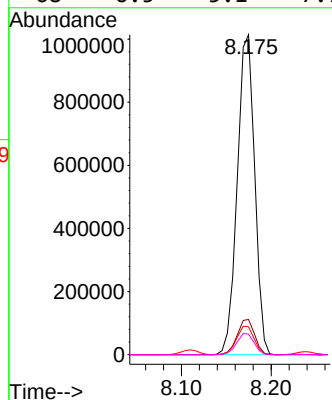
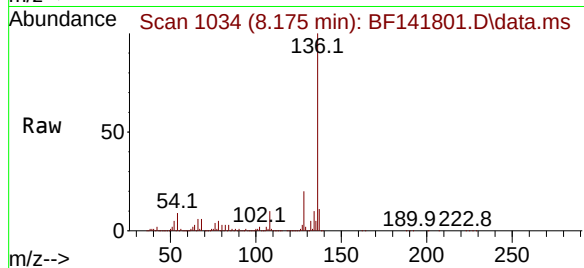




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

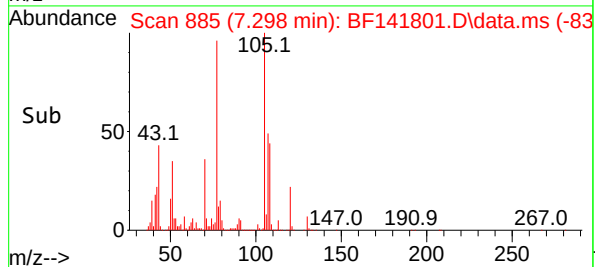
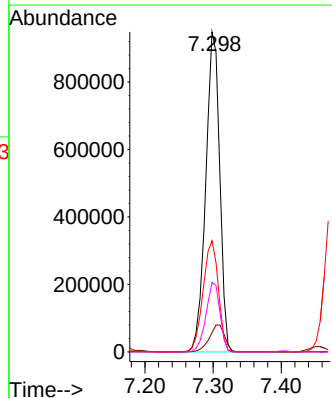
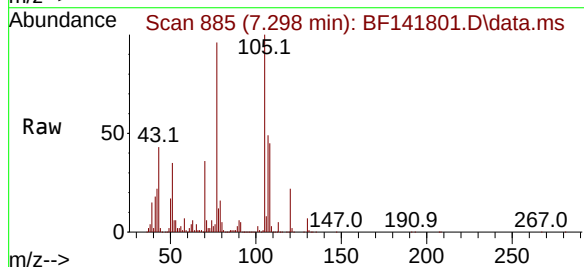
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

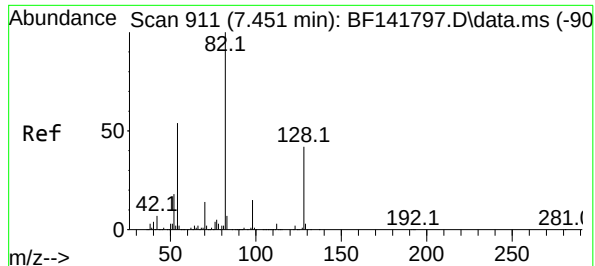
Tgt Ion:136 Resp: 1367272
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 6.9 10.3
68 6.5 5.1 7.7



#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 :

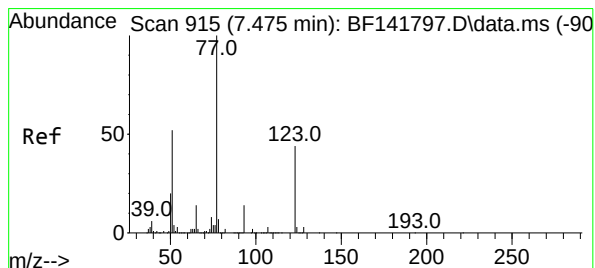
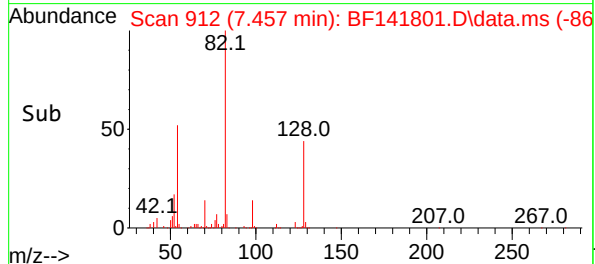
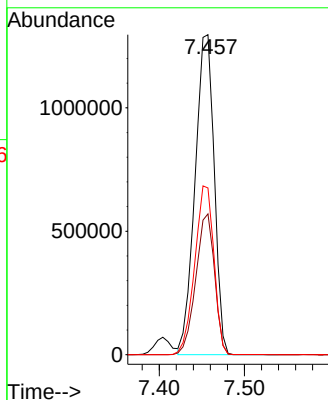
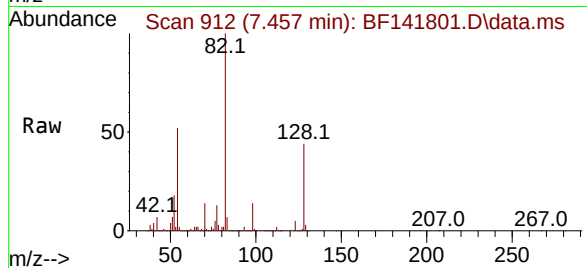
BNA_F

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

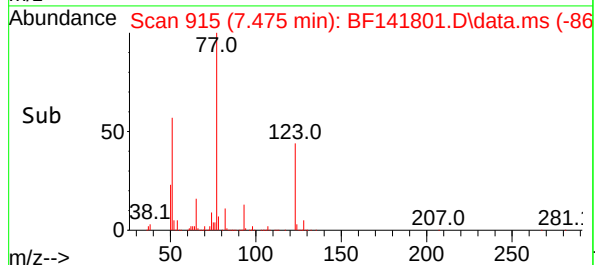
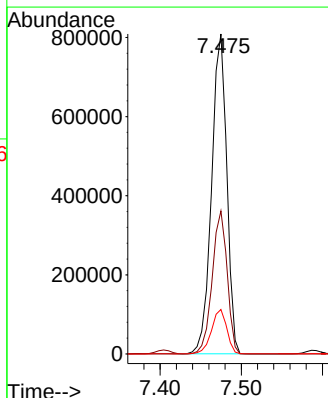
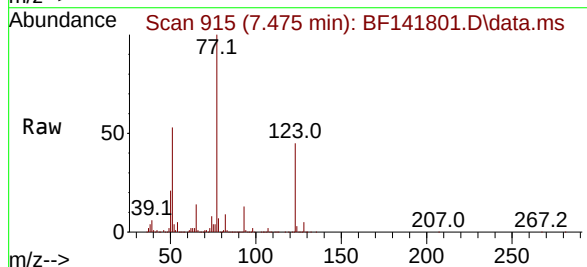
Delta R.T. -0.000 min

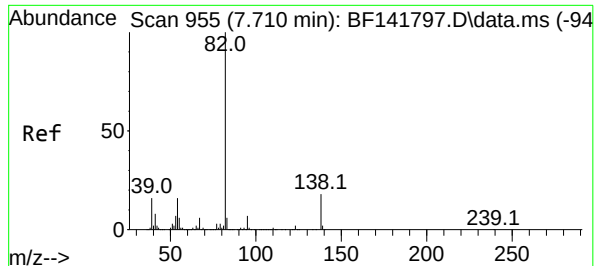
Lab File: BF141801.D

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

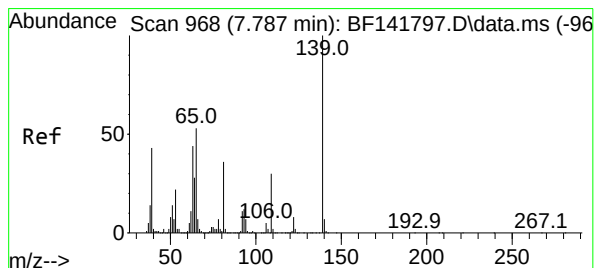
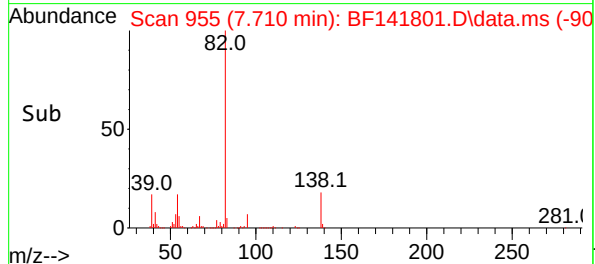
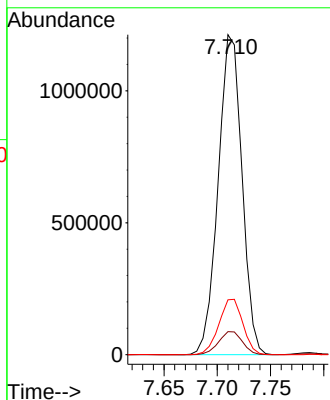
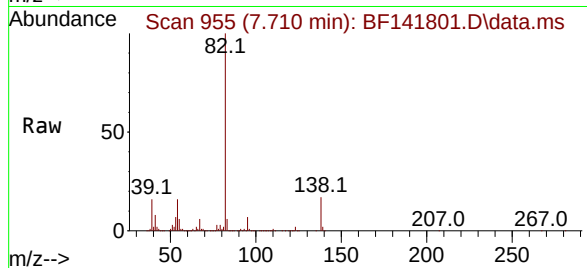




#25
Isophorone
Concen: 40.944 ng
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

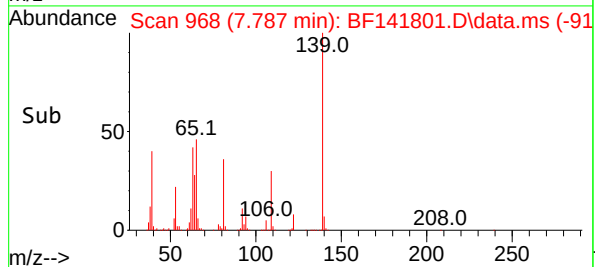
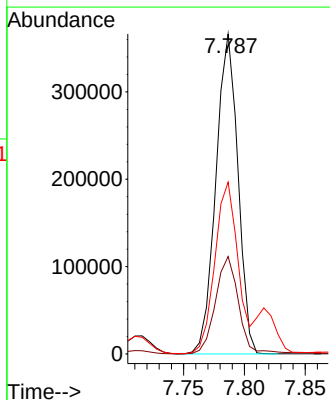
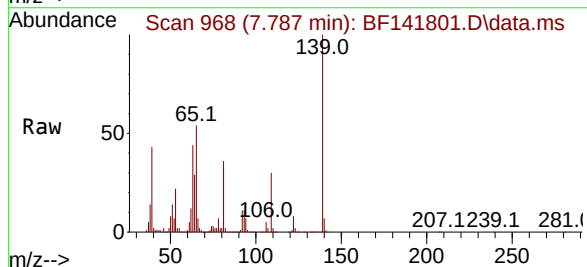
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

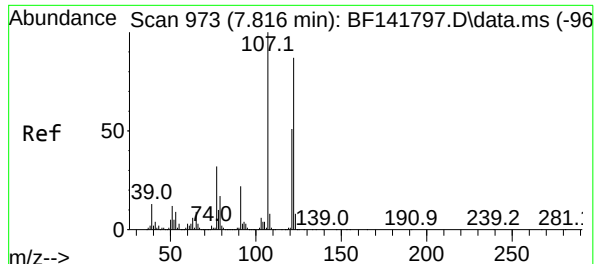
Tgt Ion: 82 Resp: 1881562
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 17.2 14.0 21.0



#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

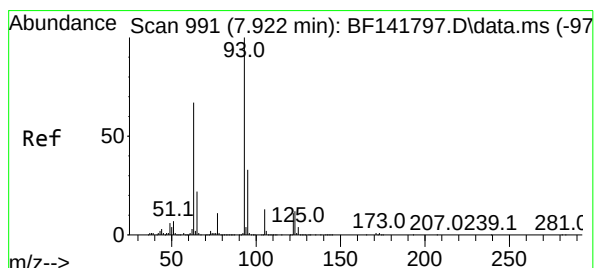
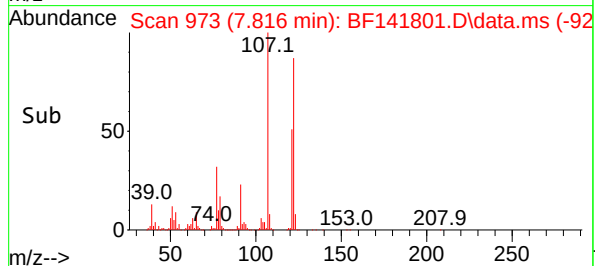
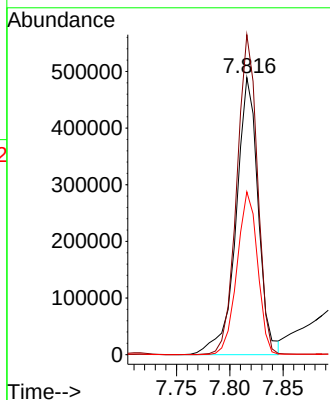
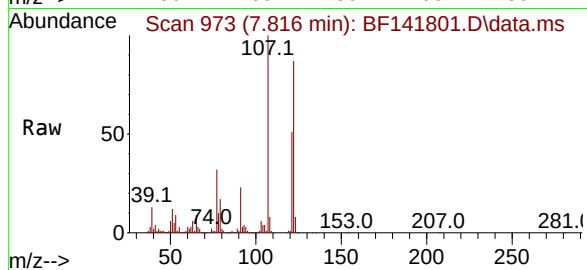
Tgt Ion:122 Resp: 708317

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

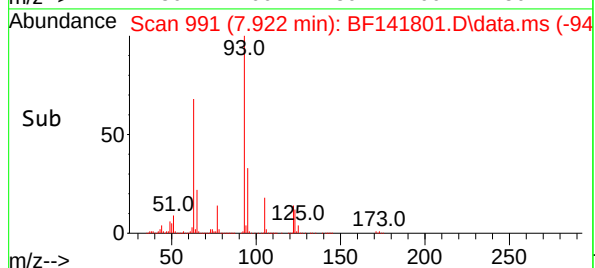
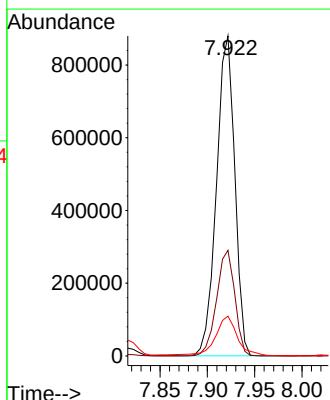
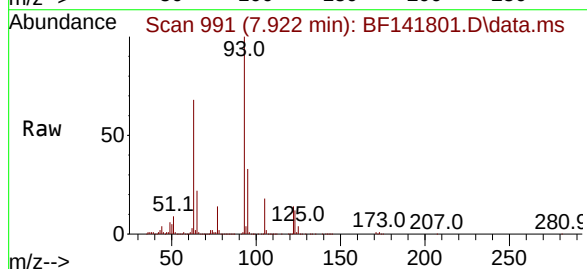
Tgt Ion: 93 Resp: 1183035

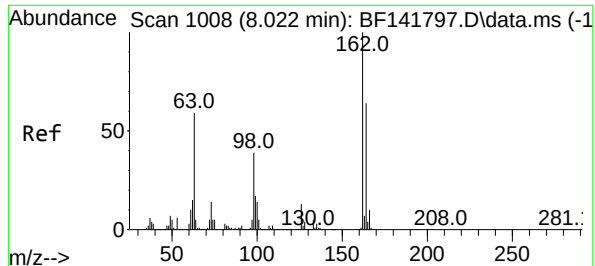
Ion Ratio Lower Upper

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

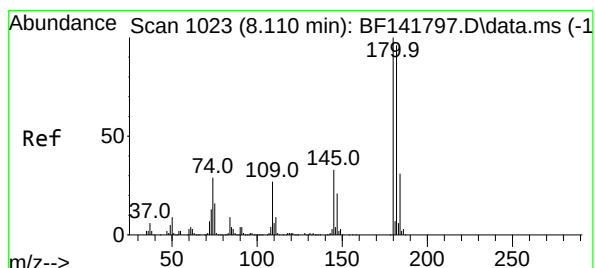
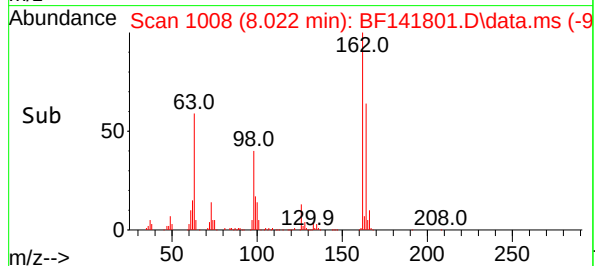
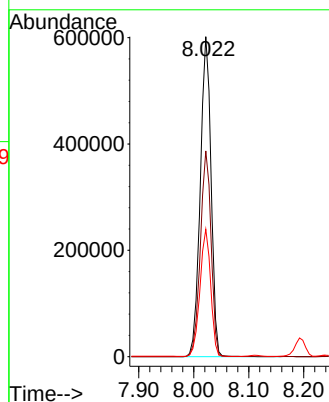
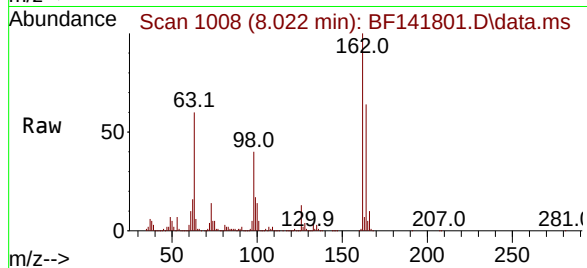
Tgt Ion:162 Resp: 821536

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

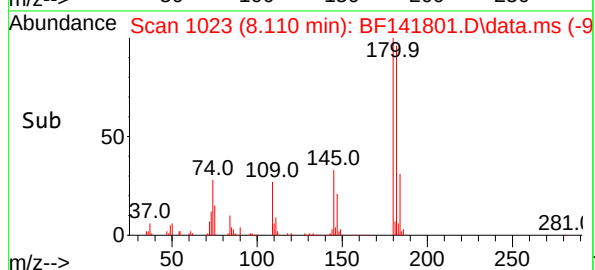
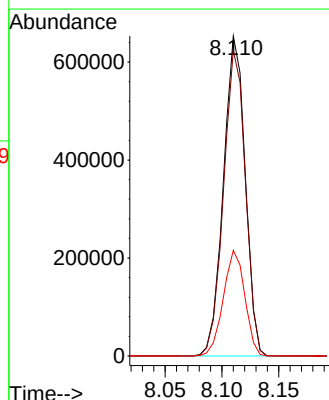
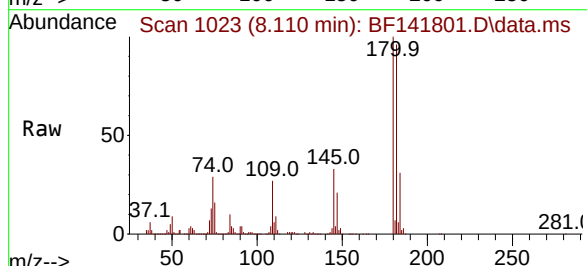
Tgt Ion:180 Resp: 870339

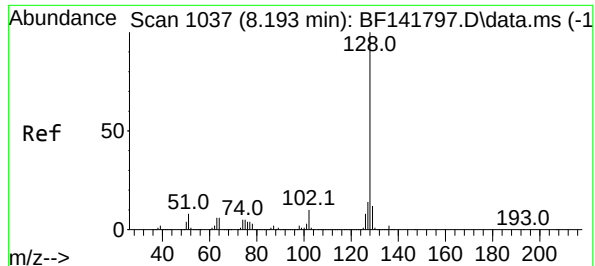
Ion Ratio Lower Upper

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

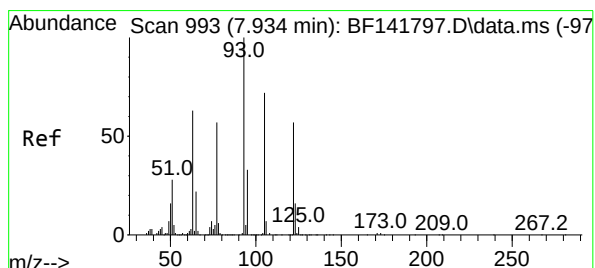
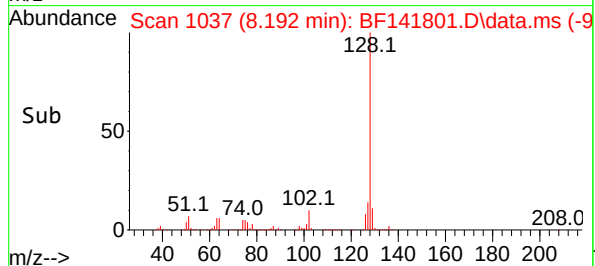
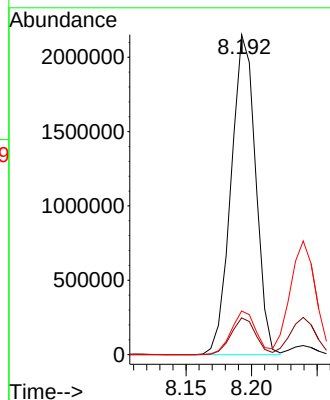
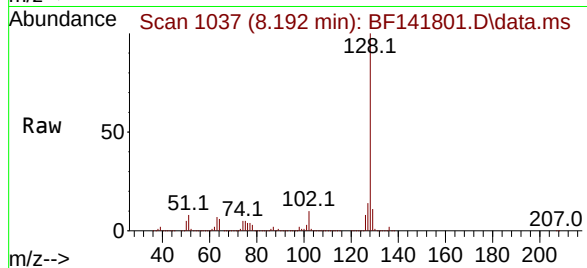
Tgt Ion:128 Resp: 2800645

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

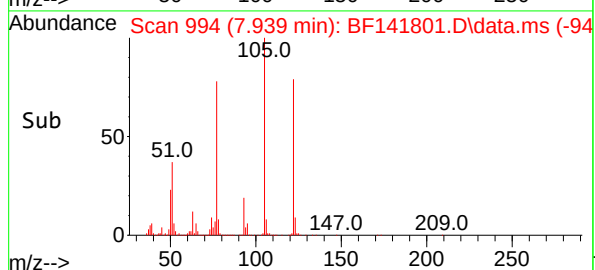
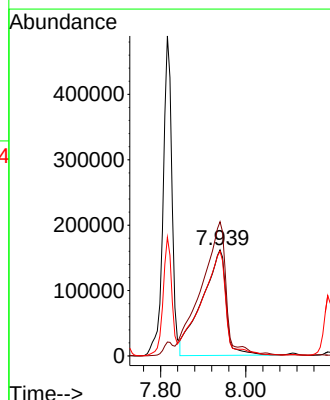
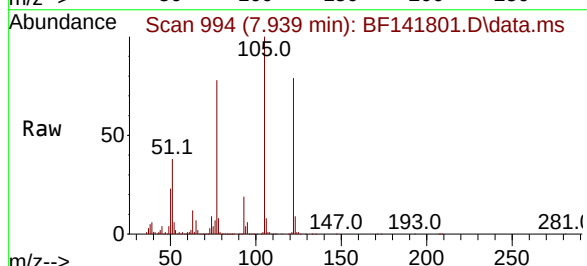
Tgt Ion:122 Resp: 635541

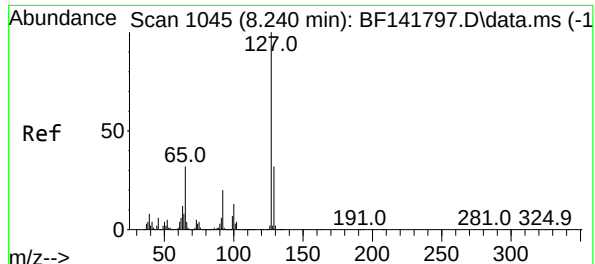
Ion Ratio Lower Upper

122 100

105 126.6 105.8 145.8

77 98.8 79.9 119.9



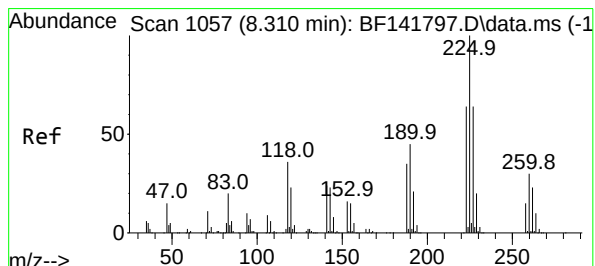
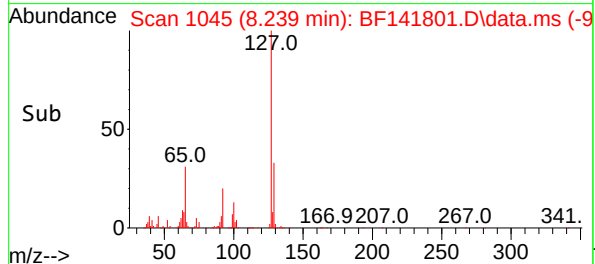
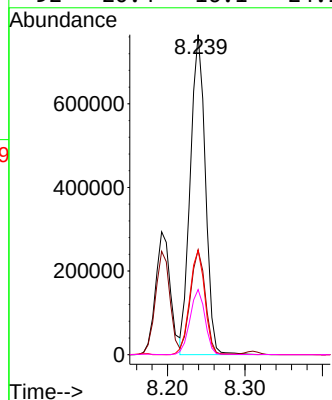
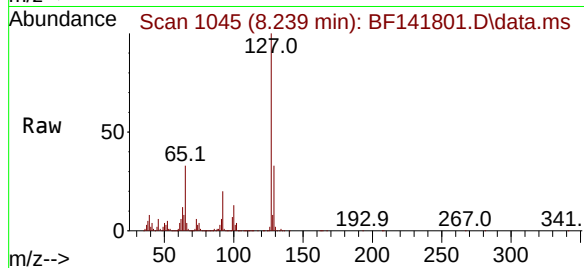


#33
4-Chloroaniline
Concen: 40.096 ng
RT: 8.239 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:127 Resp: 1033113

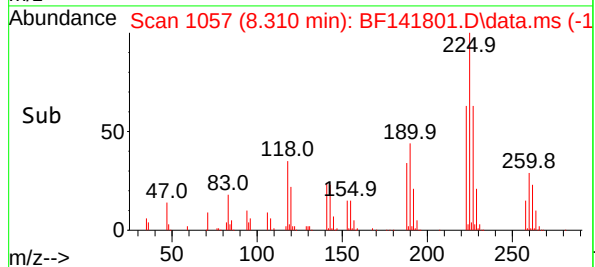
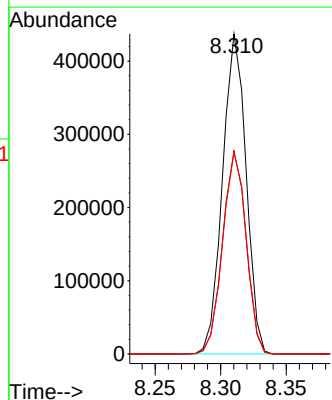
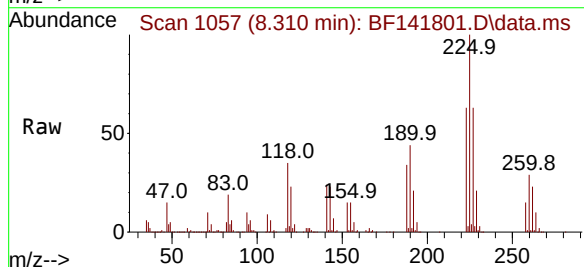
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.6	25.7	38.5
92	20.4	16.1	24.1

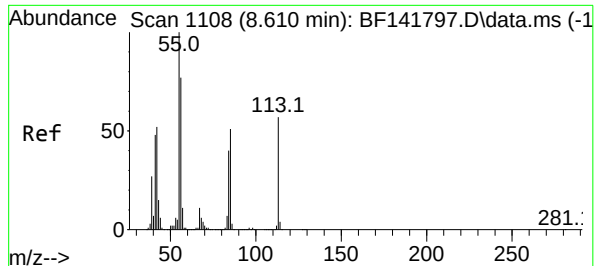


#34
Hexachlorobutadiene
Concen: 41.042 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

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

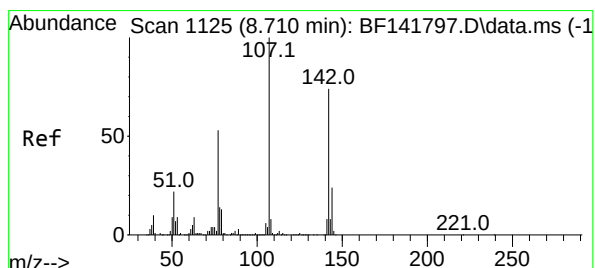
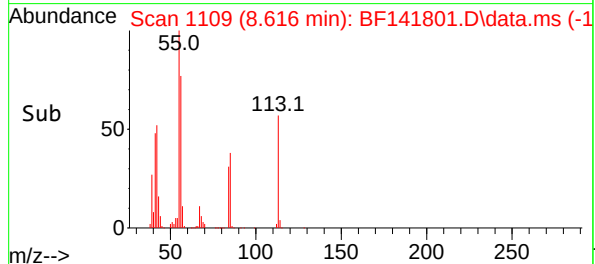
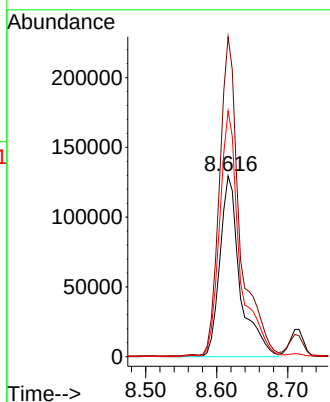
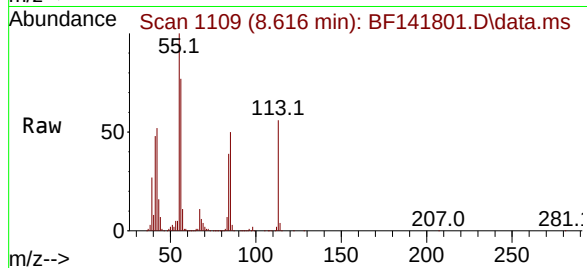




#35
Caprolactam
Concen: 42.737 ng
RT: 8.616 min Scan# 1108
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

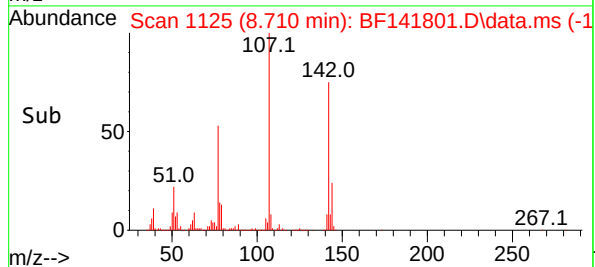
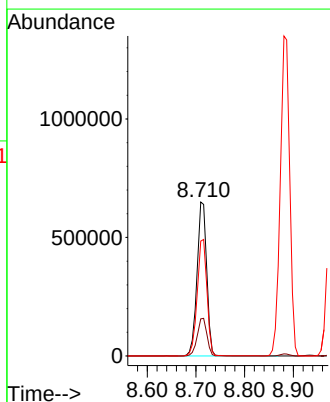
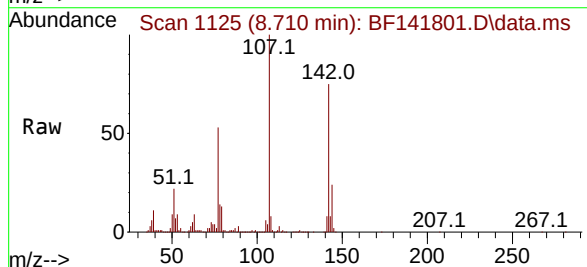
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

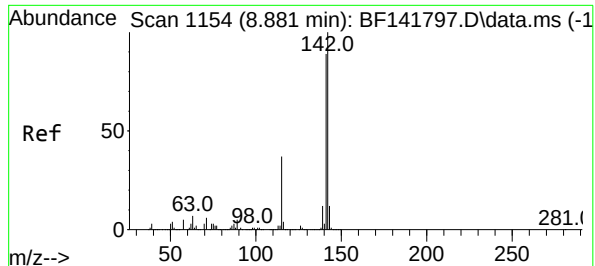
Tgt Ion:113 Resp: 256209
Ion Ratio Lower Upper
113 100
55 177.0 155.6 195.6
56 135.9 114.6 154.6



#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

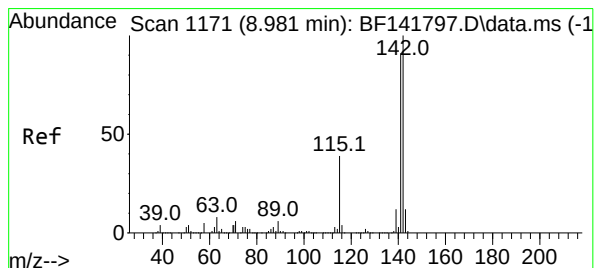
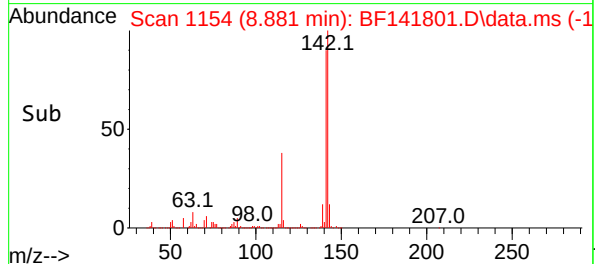
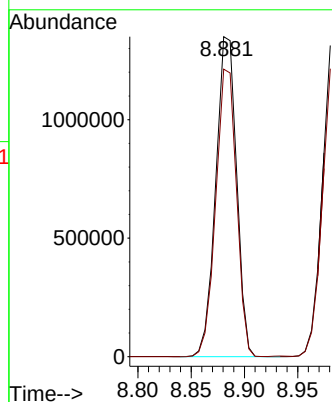
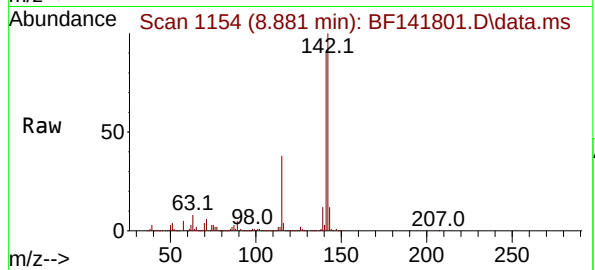




#37
2-Methylnaphthalene
Concen: 39.710 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

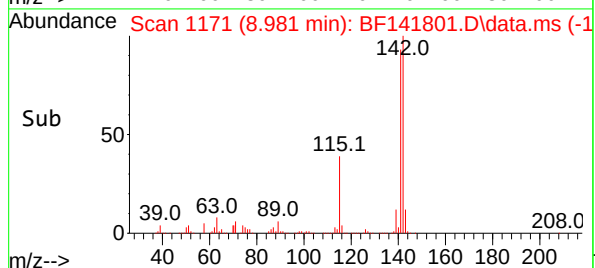
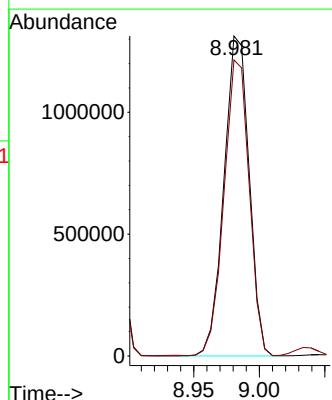
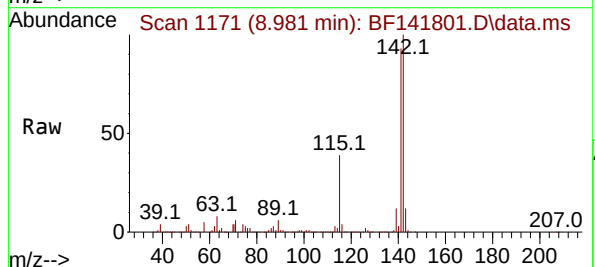
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

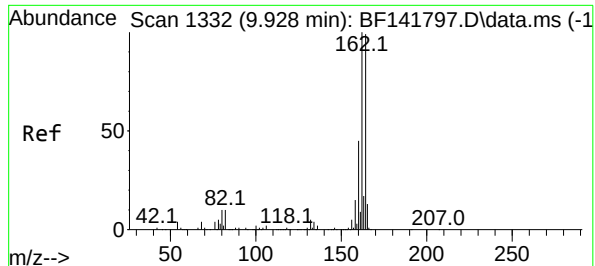
Tgt Ion:142 Resp: 1830313
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7



#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

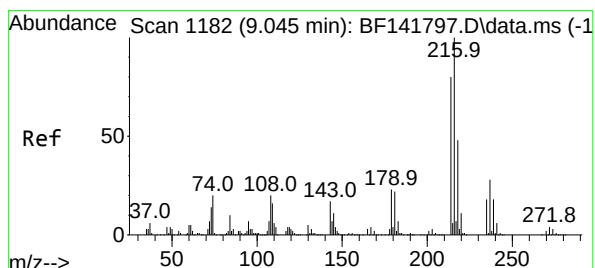
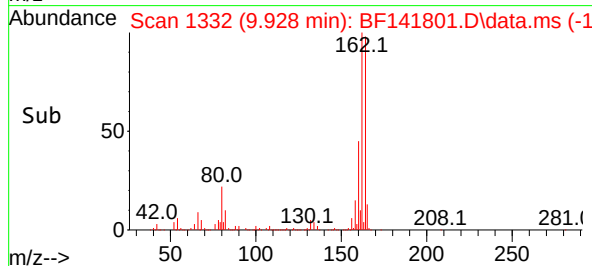
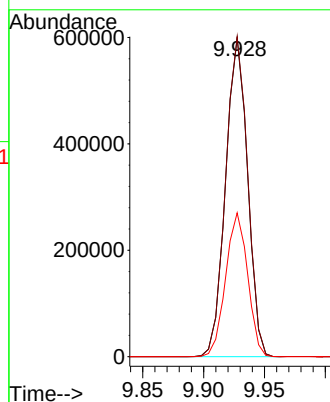
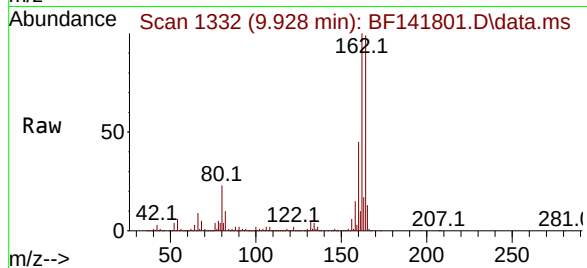
Tgt Ion:164 Resp: 753741

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

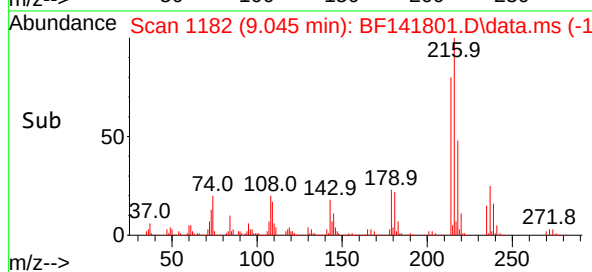
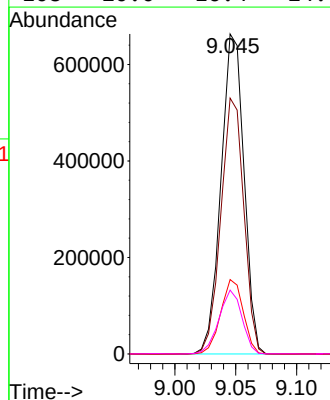
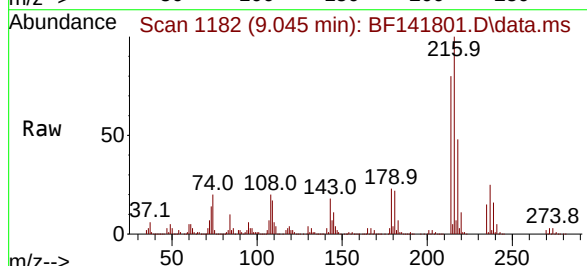
Ion Ratio Lower Upper

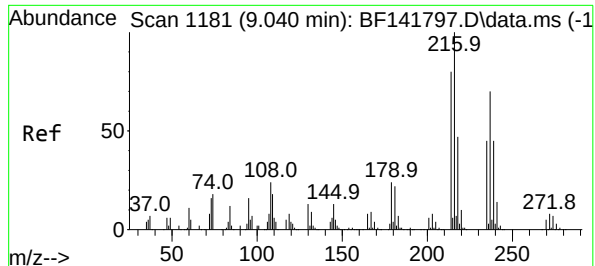
216 100

214 79.7 63.5 95.3

179 22.8 18.1 27.1

108 20.0 16.4 24.6

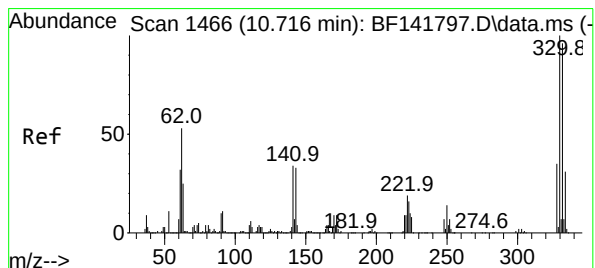
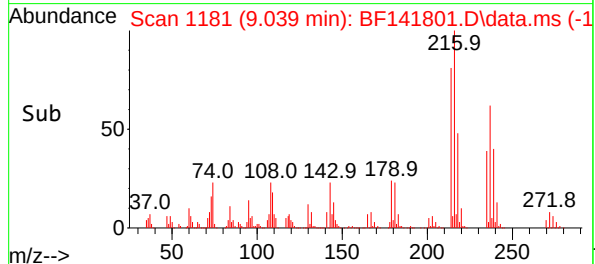
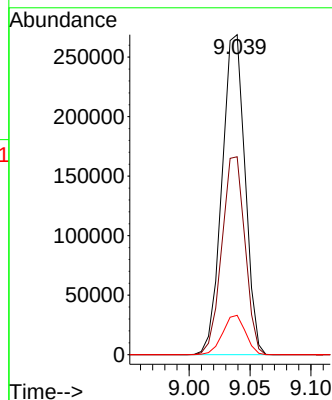
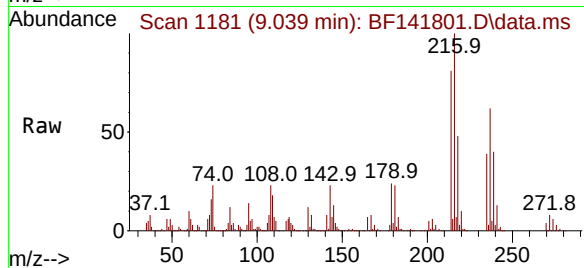




#41
Hexachlorocyclopentadiene
Concen: 38.975 ng
RT: 9.039 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

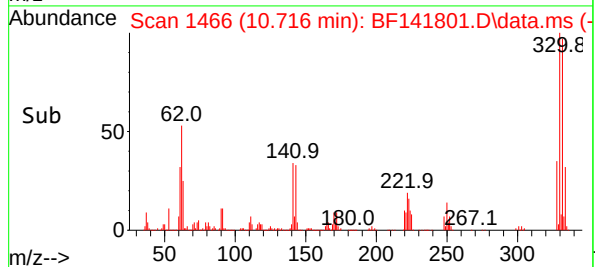
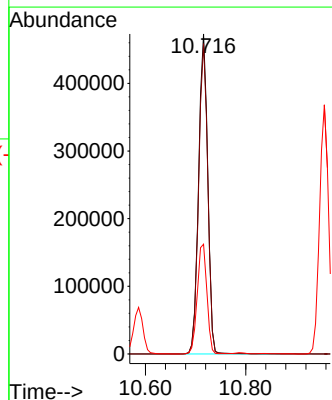
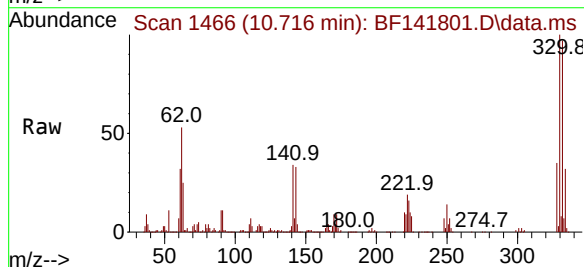
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

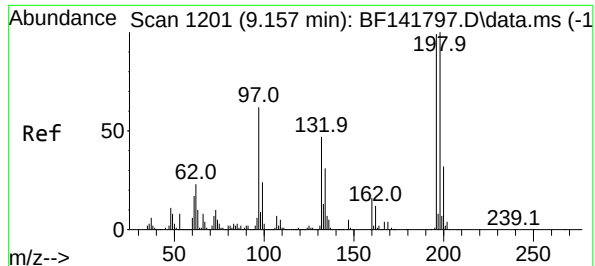
Tgt Ion:237 Resp: 354082
Ion Ratio Lower Upper
237 100
235 61.8 43.3 83.3
272 12.3 0.0 31.9



#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

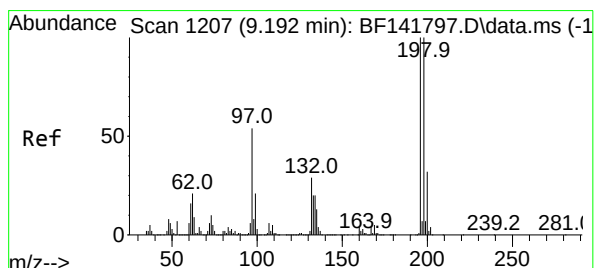
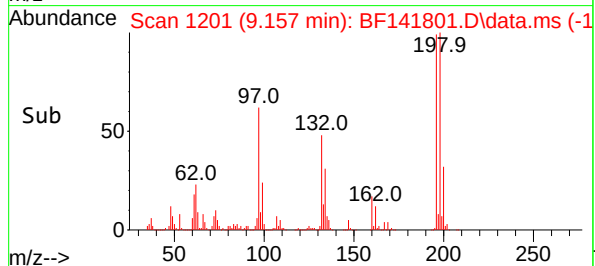
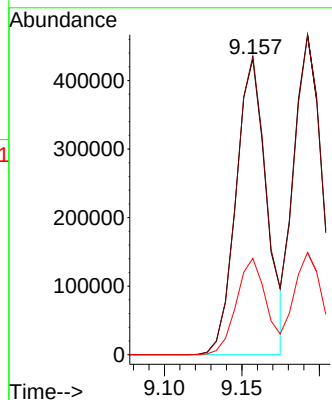
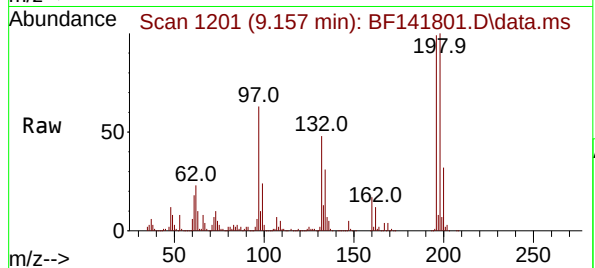
Tgt Ion:196 Resp: 592786

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

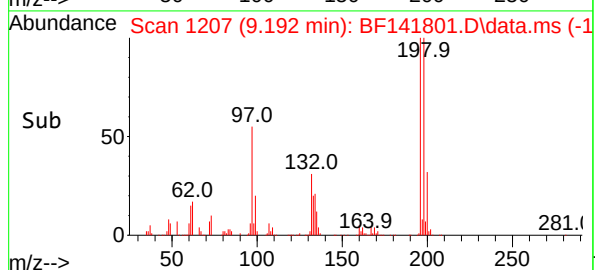
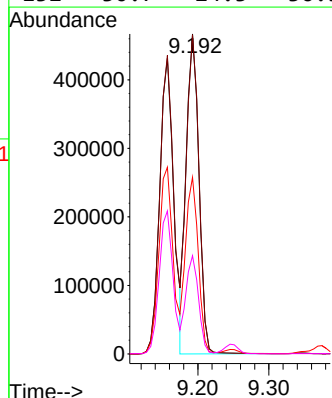
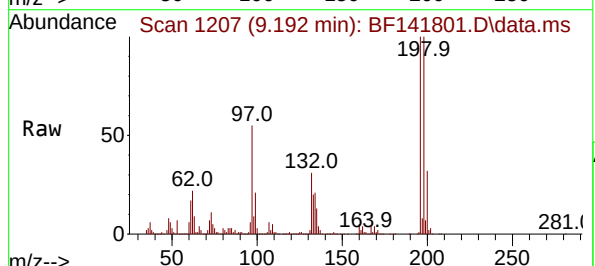
Ion Ratio Lower Upper

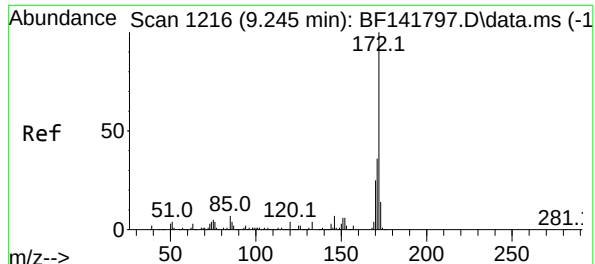
196 100

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 :

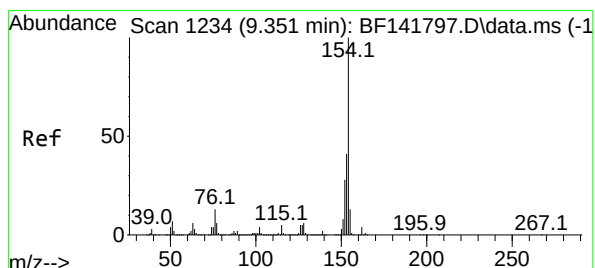
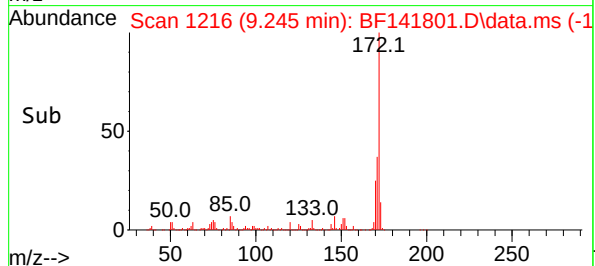
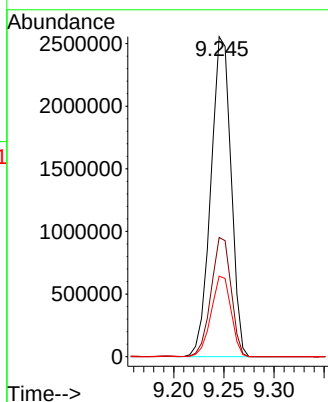
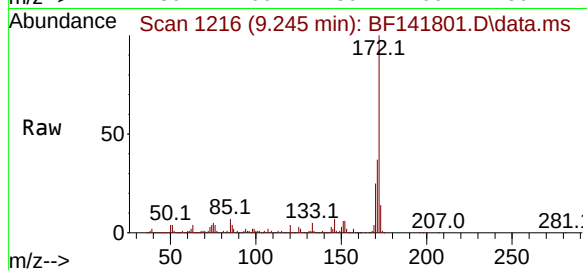
BNA_F

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

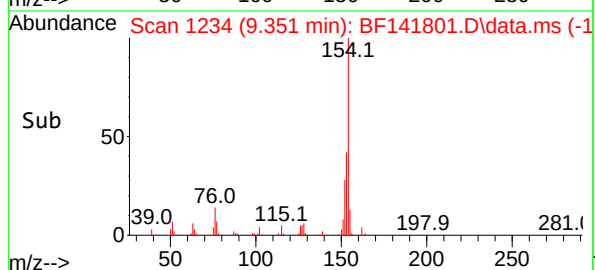
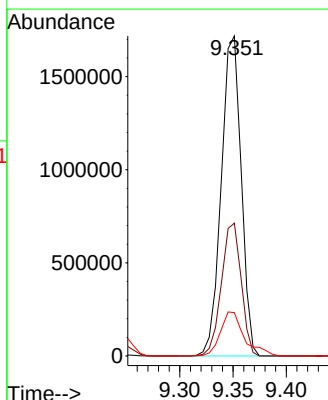
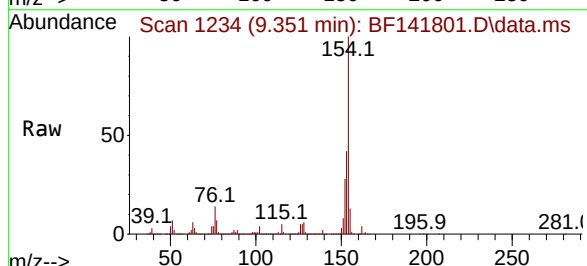
Delta R.T. -0.000 min

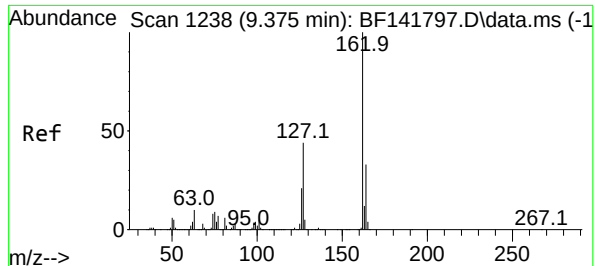
Lab File: BF141801.D

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

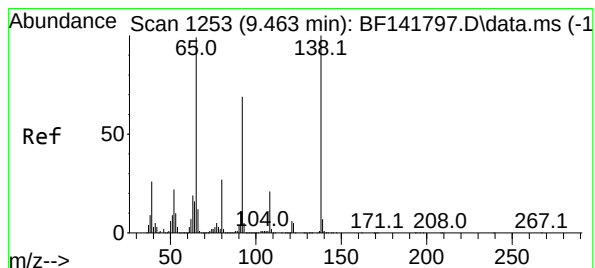
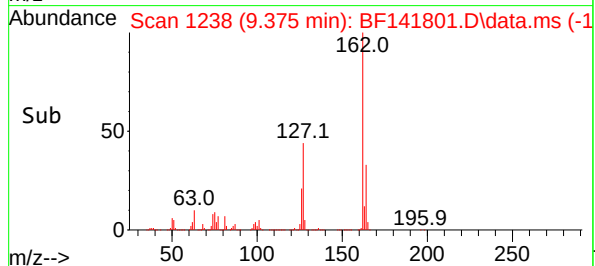
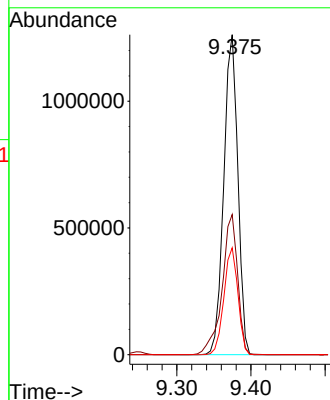
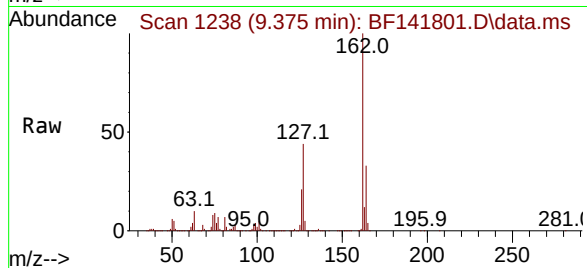
Tgt Ion:162 Resp: 1663643

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

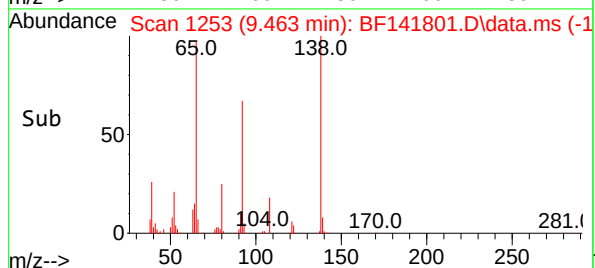
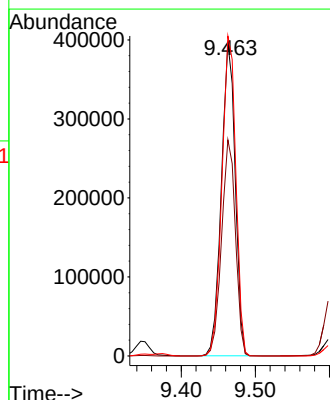
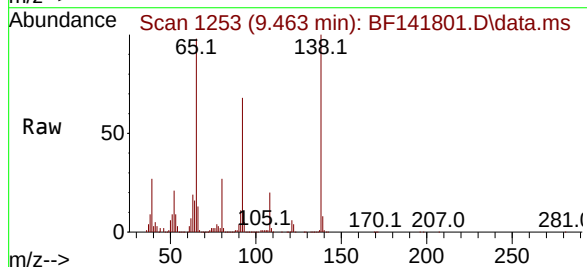
Tgt Ion: 65 Resp: 514104

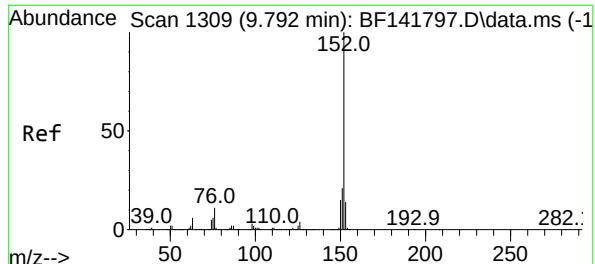
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.000 min

Lab File: BF141801.D

Acq: 27 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

ICVBF022725

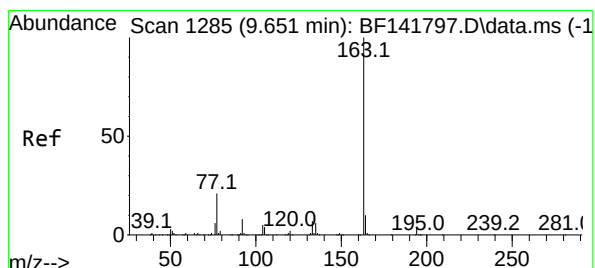
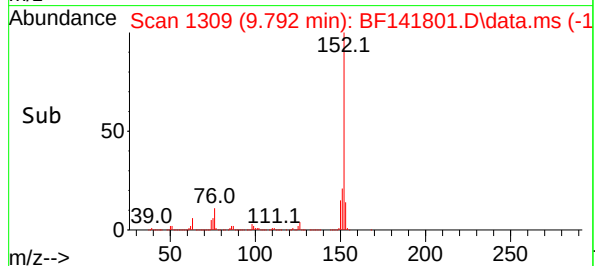
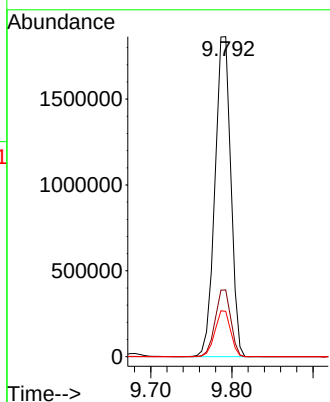
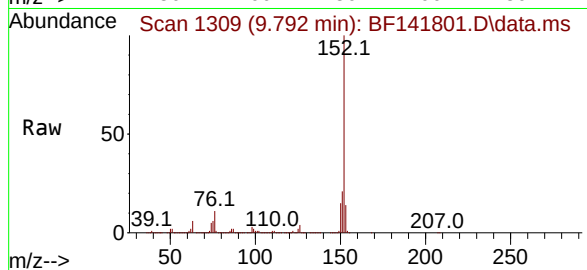
Tgt Ion:152 Resp: 2533613

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

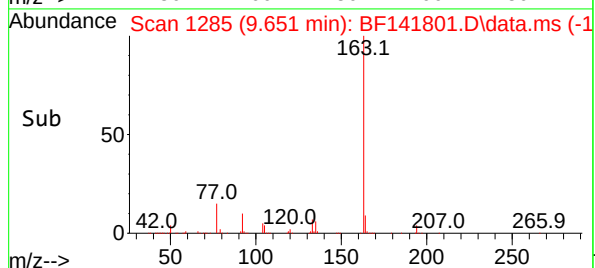
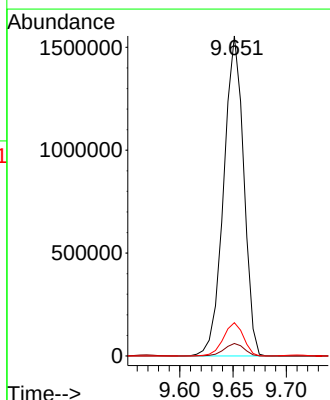
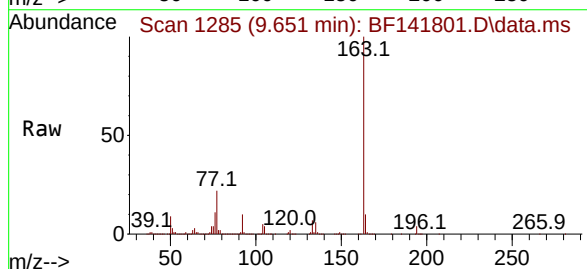
Tgt Ion:163 Resp: 2031698

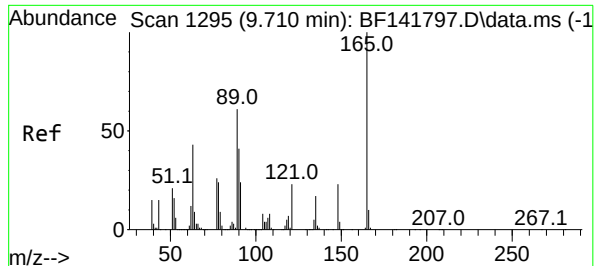
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.4 8.4 12.6

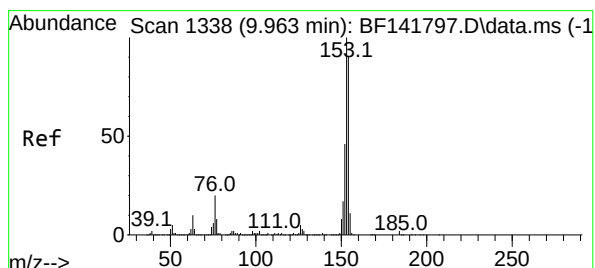
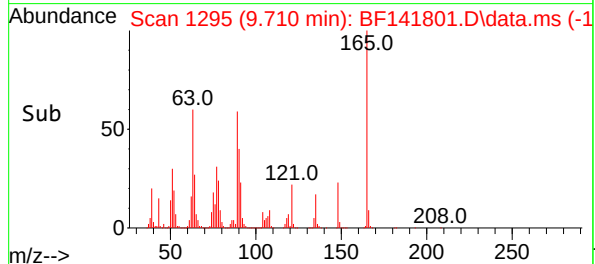
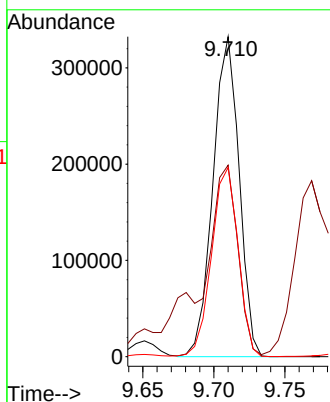
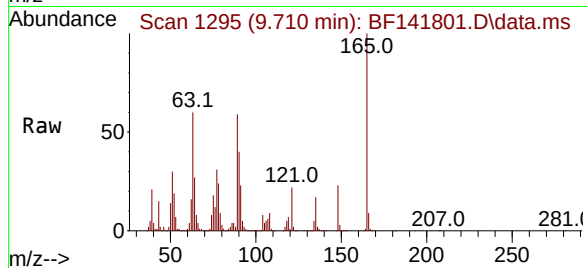




#51
2,6-Dinitrotoluene
Concen: 44.292 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

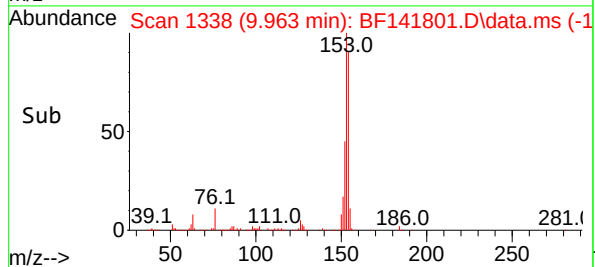
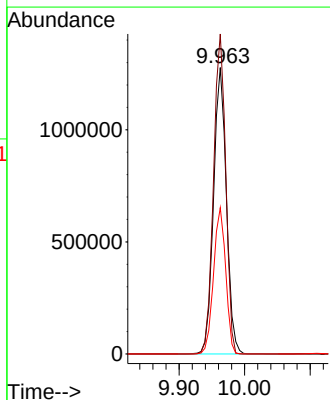
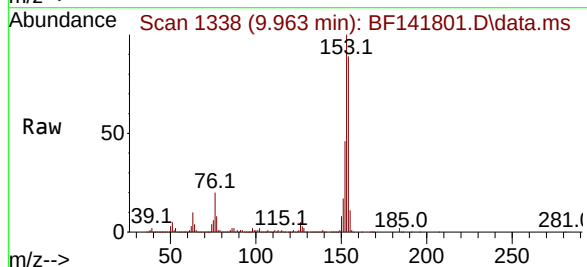
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

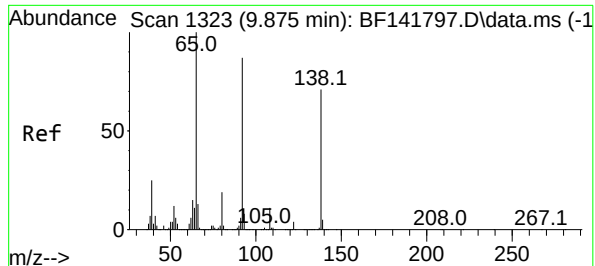
Tgt Ion:165 Resp: 425445
Ion Ratio Lower Upper
165 100
63 59.8 49.5 74.3
89 59.1 49.0 73.4



#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

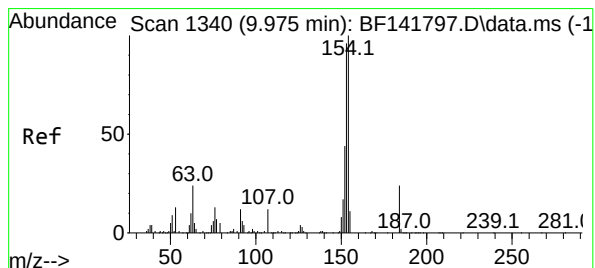
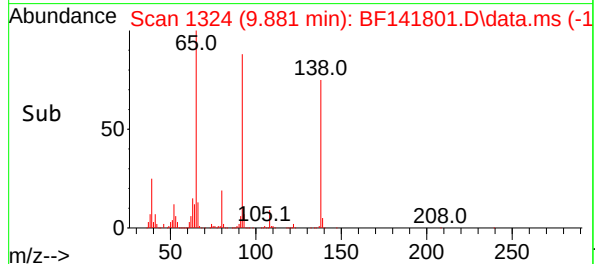
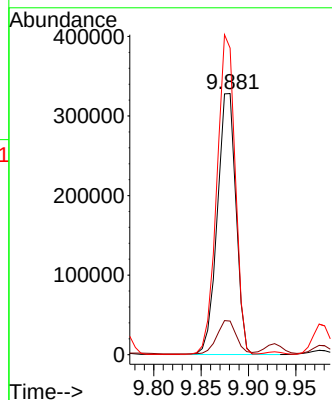
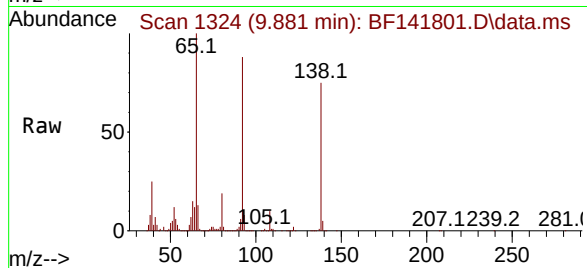




#53
3-Nitroaniline
Concen: 43.938 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

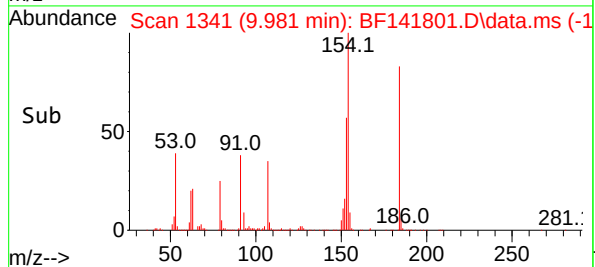
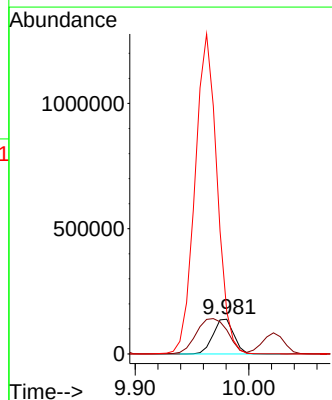
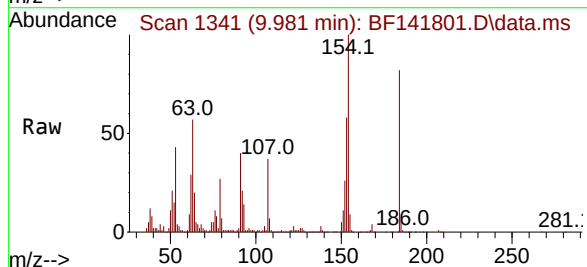
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

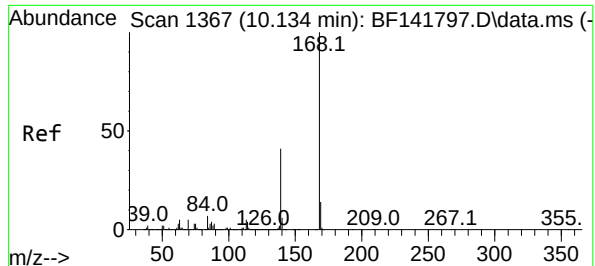
Tgt Ion:138 Resp: 449174
Ion Ratio Lower Upper
138 100
108 12.9 12.7 19.1
92 117.4 97.9 146.9



#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#

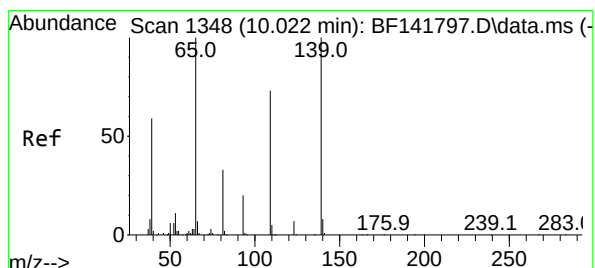
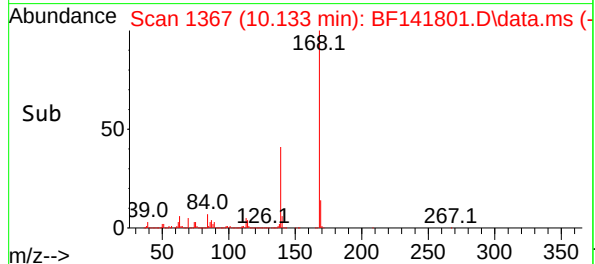
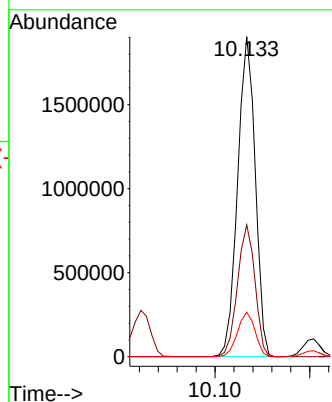
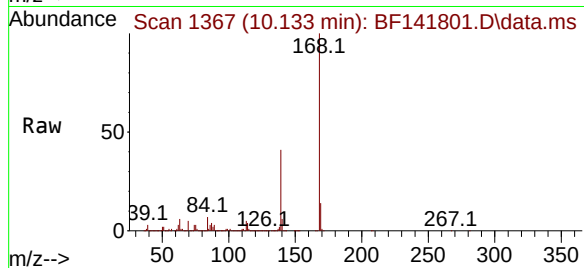




#55
Dibenzenofuran
Concen: 39.391 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

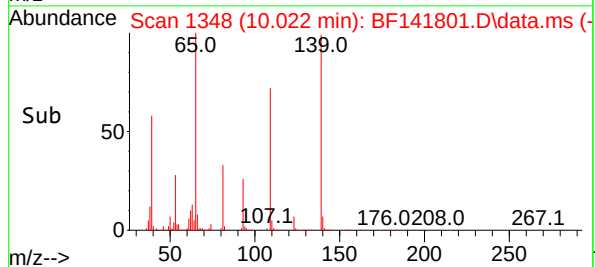
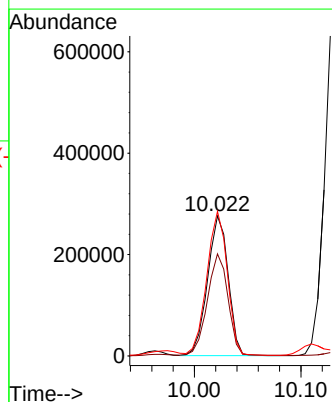
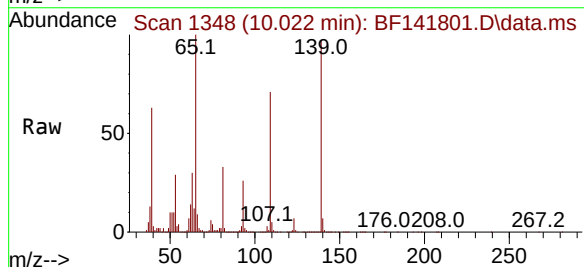
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

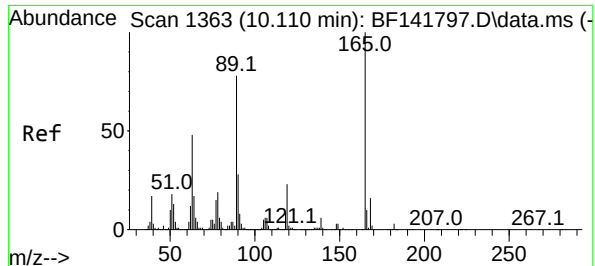
Tgt Ion:168 Resp: 2456099
Ion Ratio Lower Upper
168 100
139 41.2 32.9 49.3
169 13.9 11.1 16.7



#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

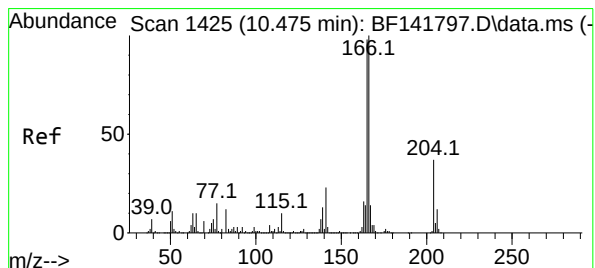
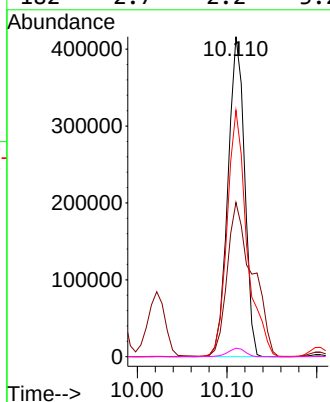
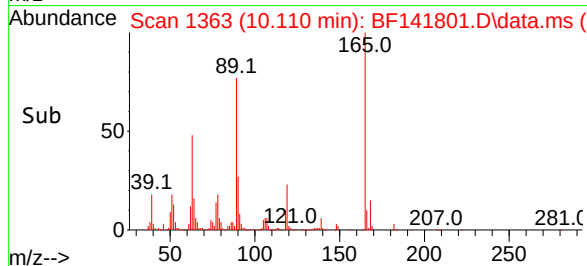
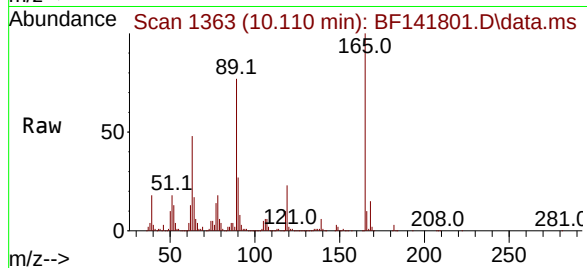




#57
2,4-Dinitrotoluene
Concen: 45.704 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

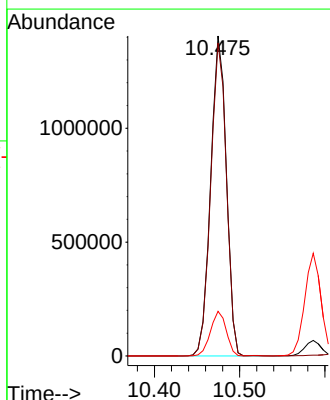
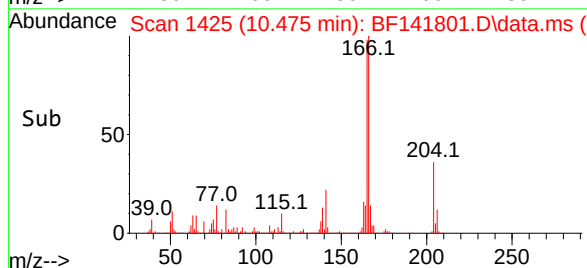
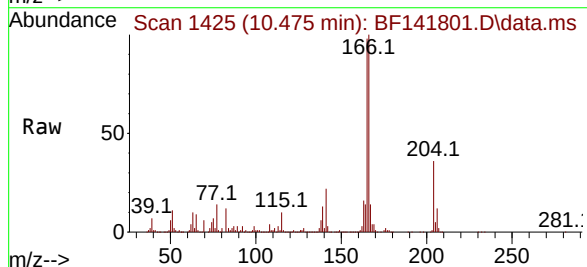
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

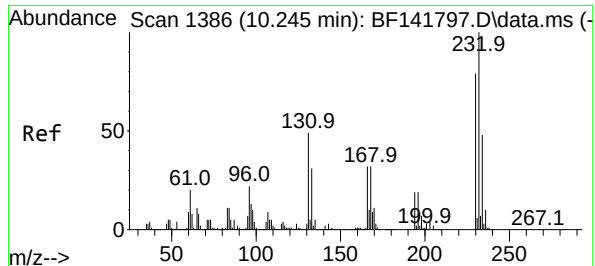
Tgt Ion:165 Resp: 536914
Ion Ratio Lower Upper
165 100
63 48.2 38.8 58.2
89 77.0 62.6 94.0
182 2.7 2.2 3.2



#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

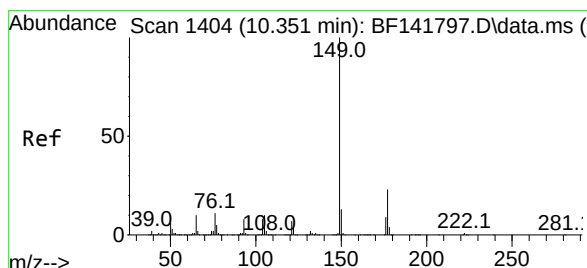
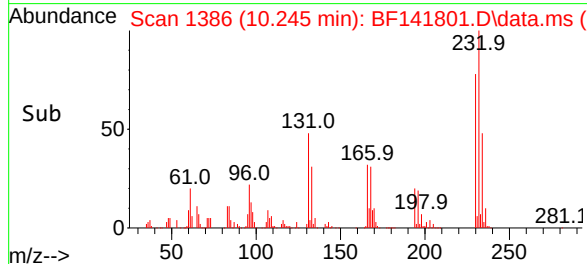
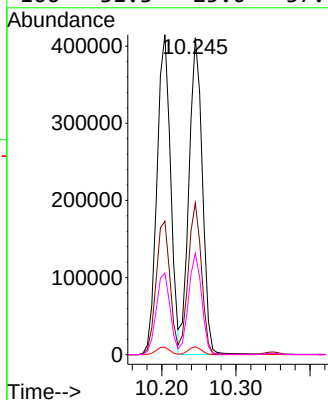
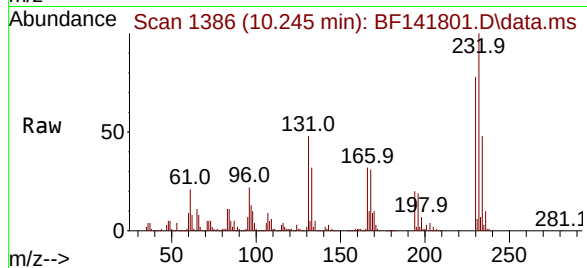




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.607 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

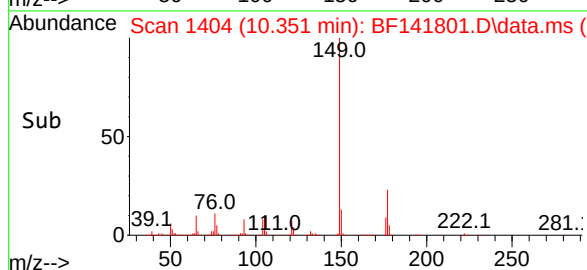
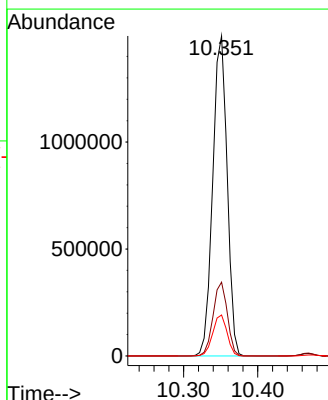
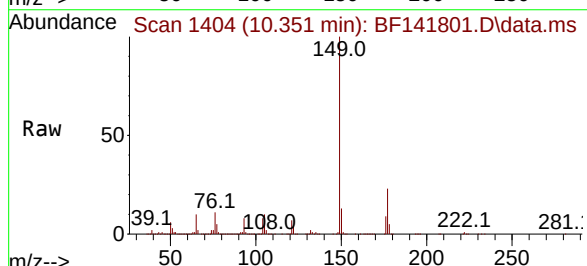
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

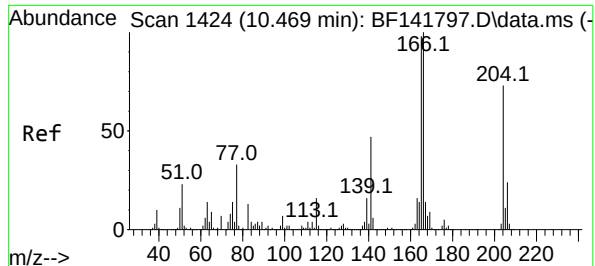
Tgt Ion:232 Resp: 515976
Ion Ratio Lower Upper
232 100
131 47.1 37.8 56.8
130 2.5 2.0 3.0
166 31.3 25.0 37.4



#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

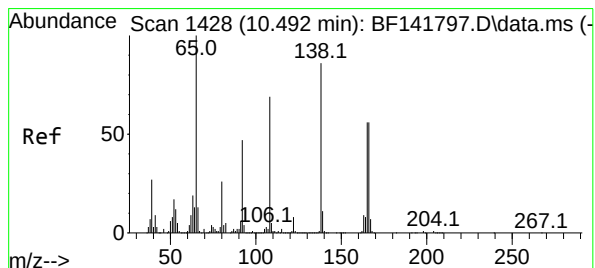
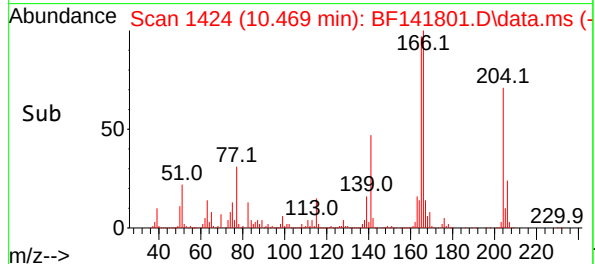
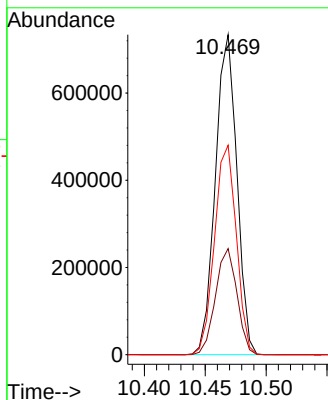
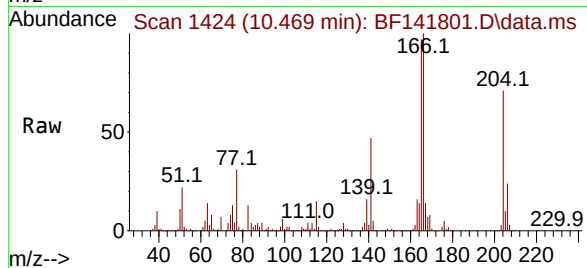




#61
4-Chlorophenyl-phenylether
Concen: 38.546 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

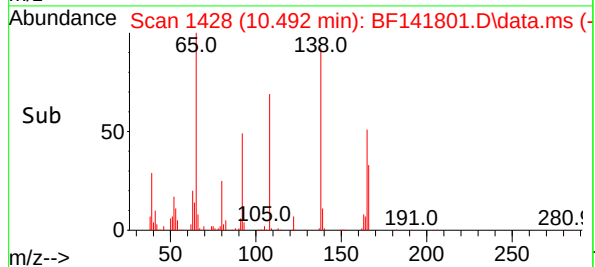
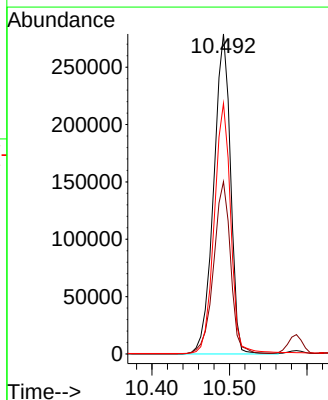
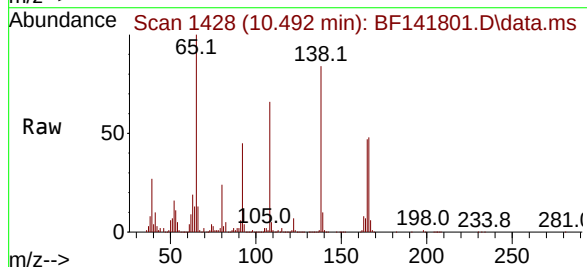
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

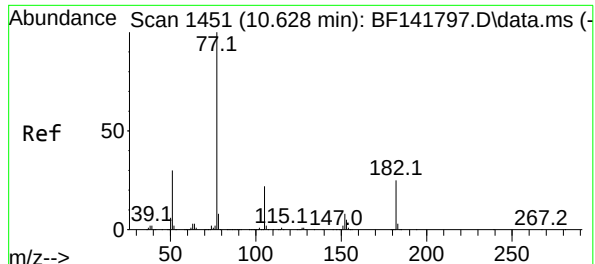
Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.4
141	65.4	51.7	77.5



#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

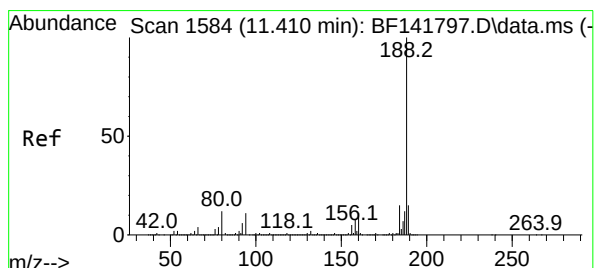
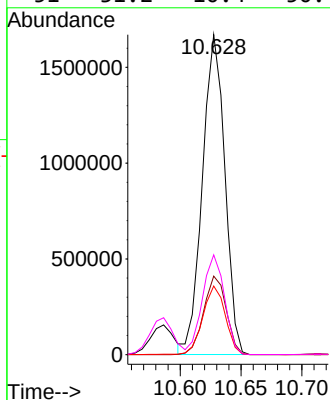
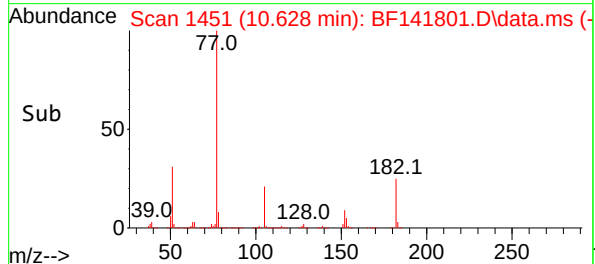
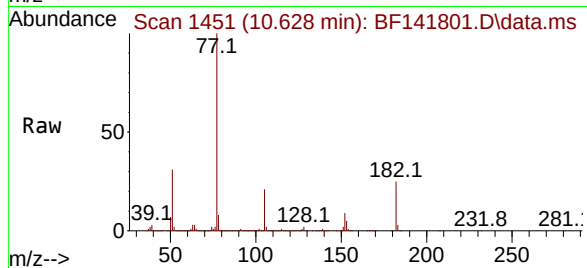




#63
Azobenzene
Concen: 40.188 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

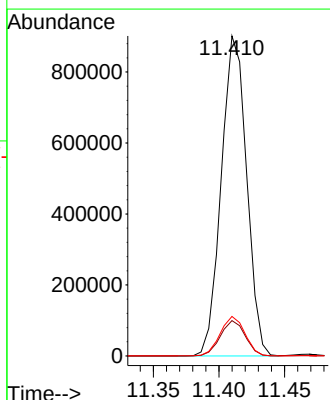
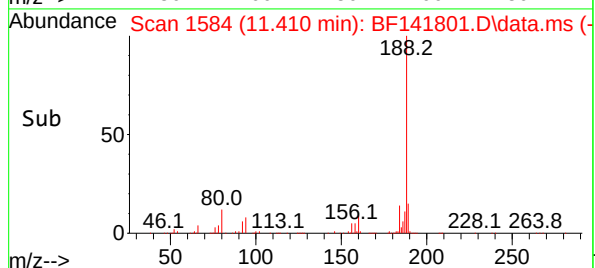
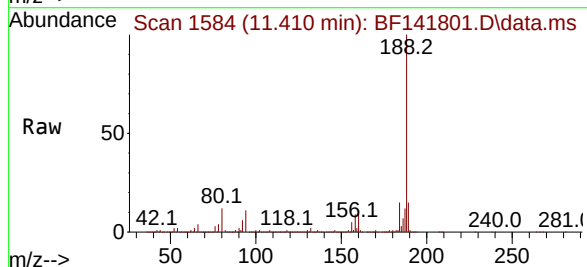
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

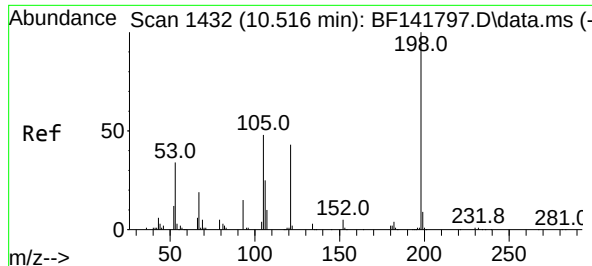
Tgt Ion: 77 Resp: 2141198
Ion Ratio Lower Upper
77 100
182 24.5 4.2 44.2
105 21.4 1.5 41.5
51 31.2 10.4 50.4



#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

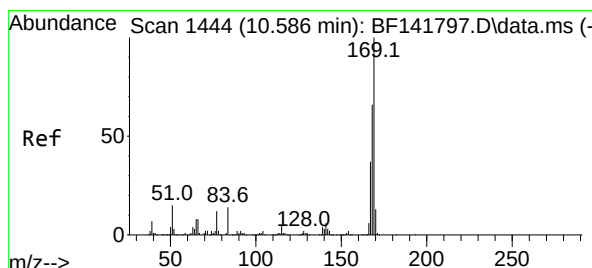
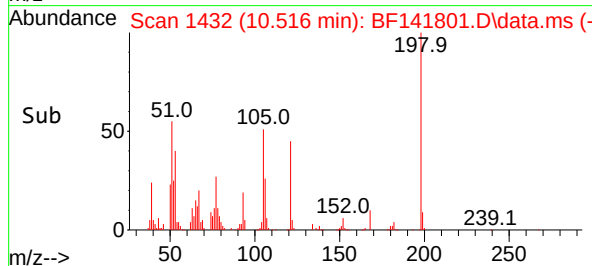
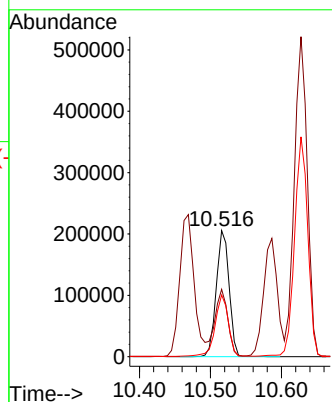
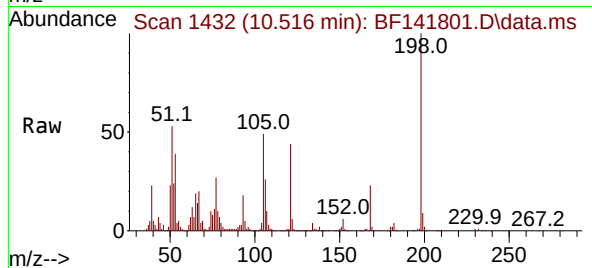




#65
4,6-Dinitro-2-methylphenol
Concen: 45.441 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

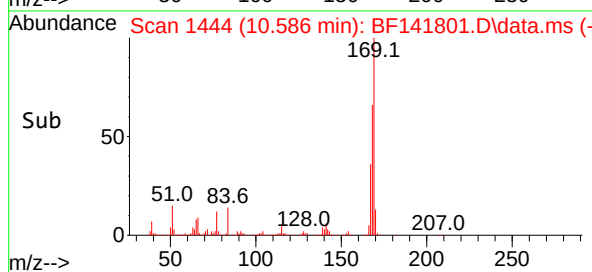
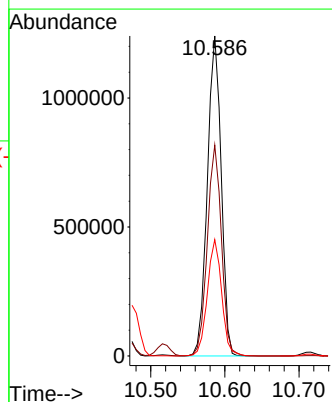
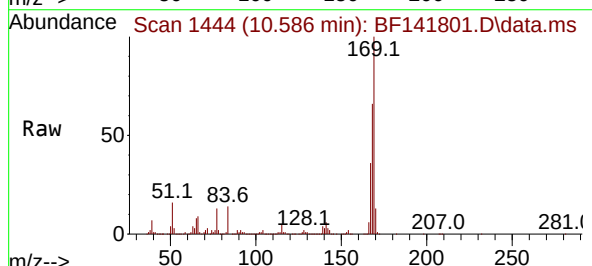
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

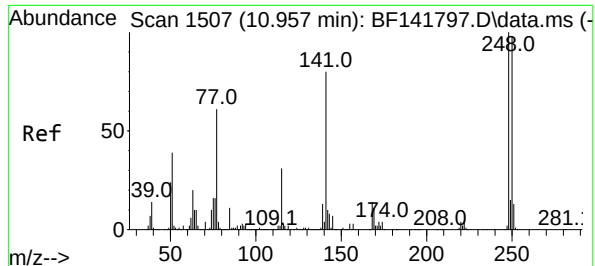
Tgt Ion:198 Resp: 256241
Ion Ratio Lower Upper
198 100
51 53.4 32.1 72.1
105 49.0 28.5 68.5



#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

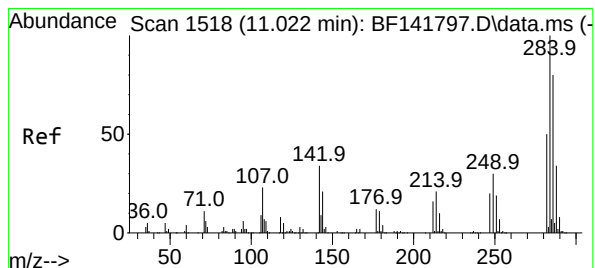
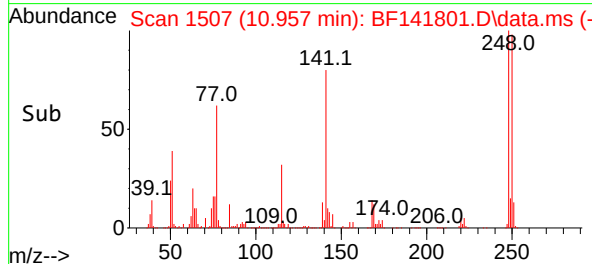
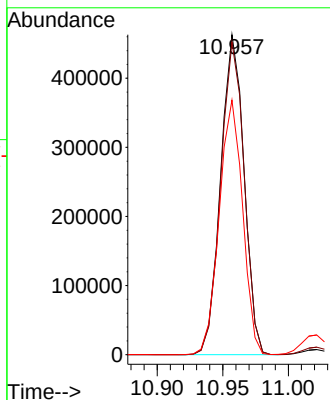
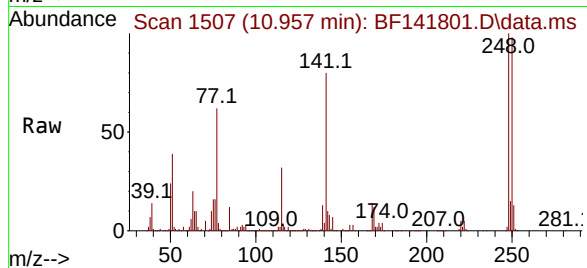




#67
4-Bromophenyl-phenylether
Concen: 40.614 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

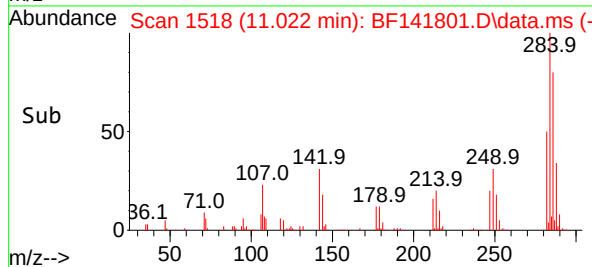
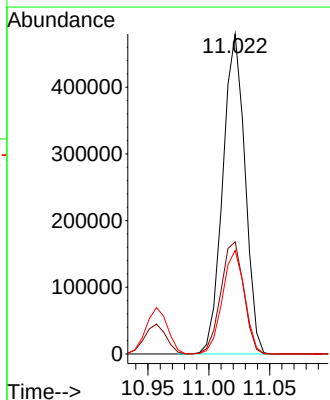
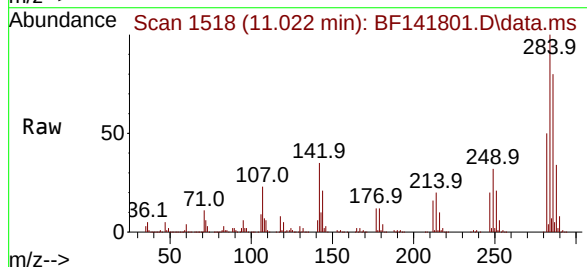
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

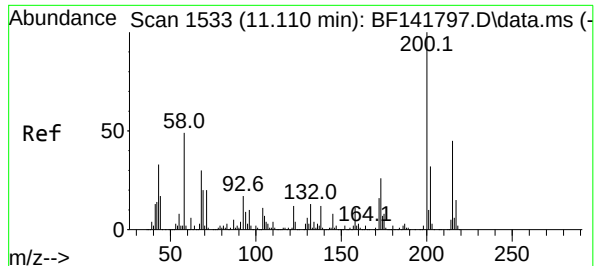
Tgt Ion:248 Resp: 574667
Ion Ratio Lower Upper
248 100
250 97.7 78.1 117.1
141 79.5 64.3 96.5



#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

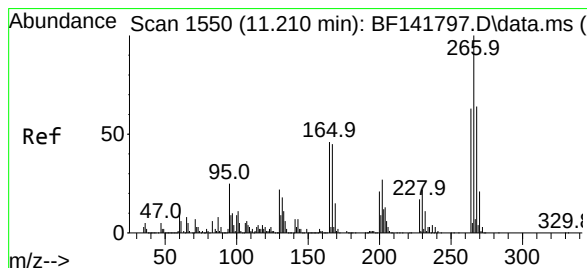
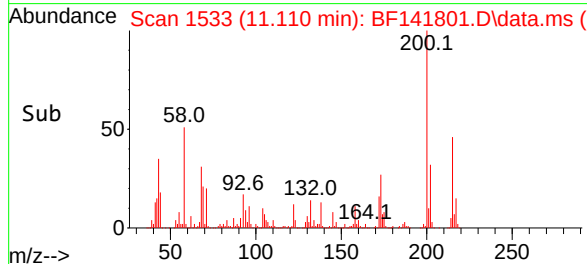
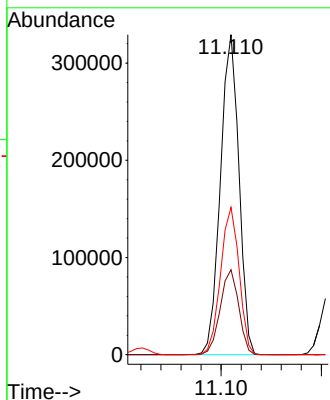
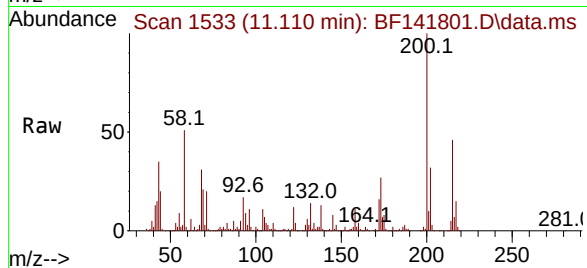




#69
Atrazine
Concen: 38.463 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

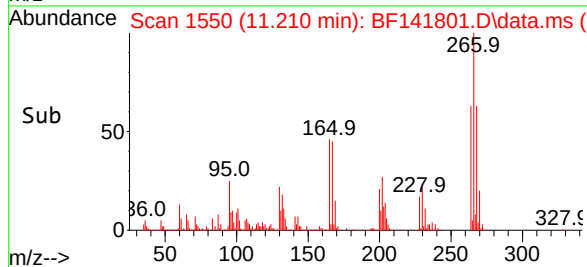
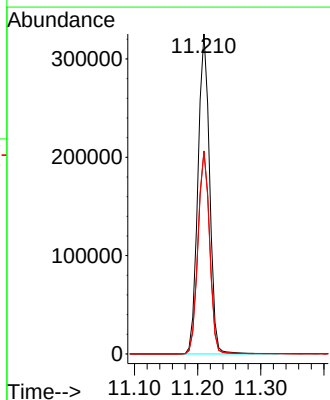
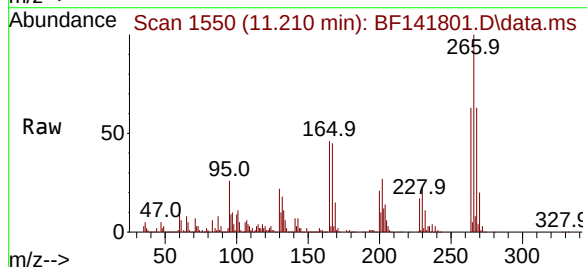
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

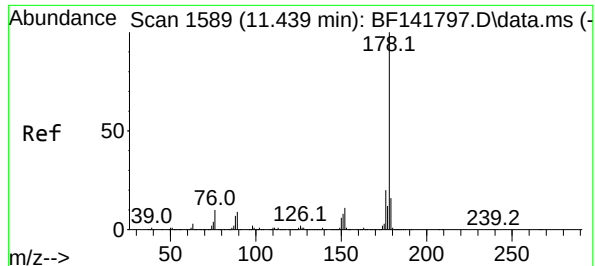
Tgt Ion:200 Resp: 420733
Ion Ratio Lower Upper
200 100
173 26.5 5.6 45.6
215 46.1 25.3 65.3



#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

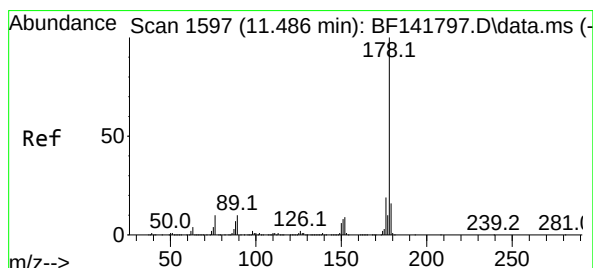
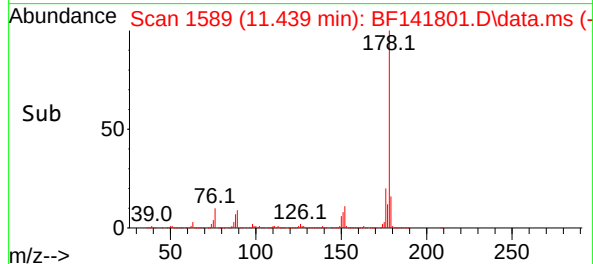
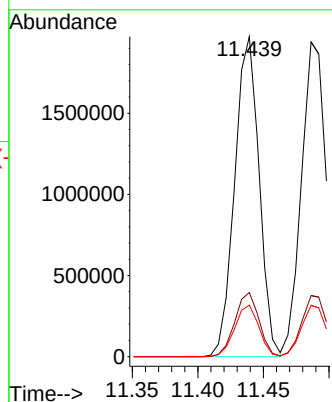
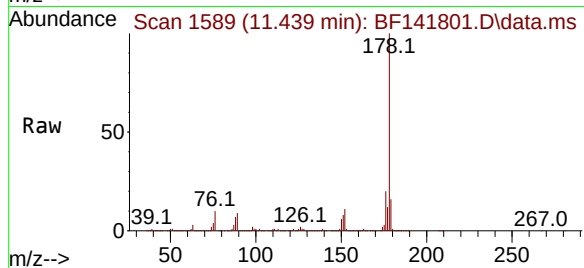




#71
Phenanthrene
Concen: 39.475 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

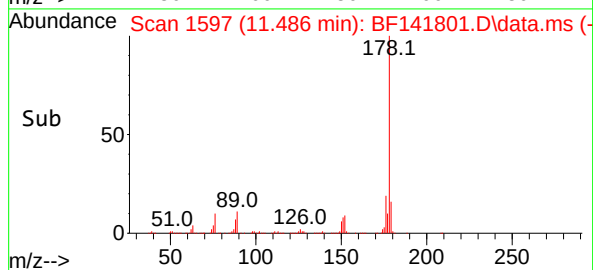
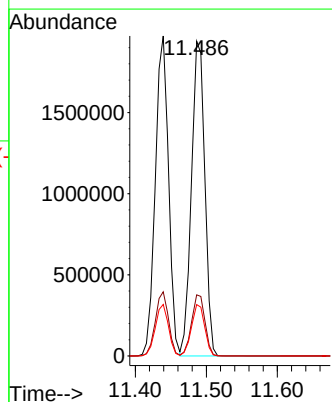
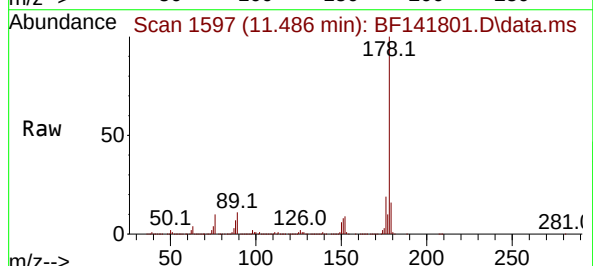
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

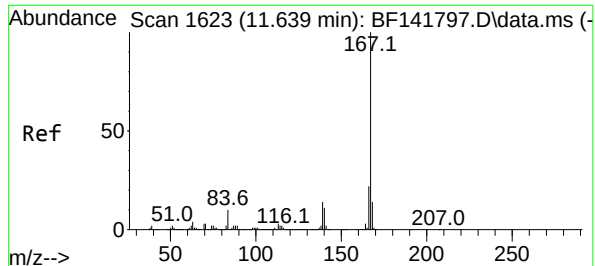
Tgt Ion:178 Resp: 2557877
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.1 12.6 19.0



#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

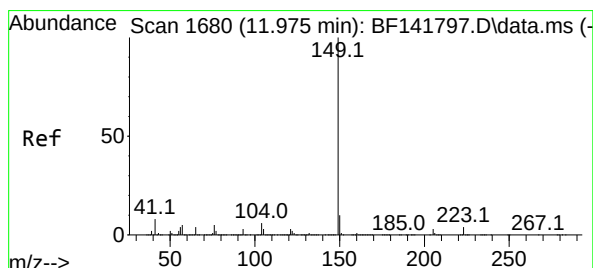
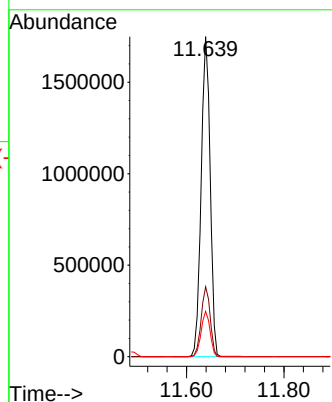
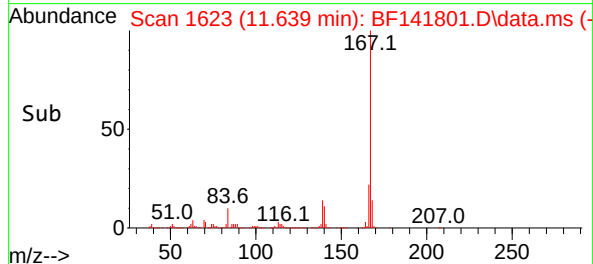
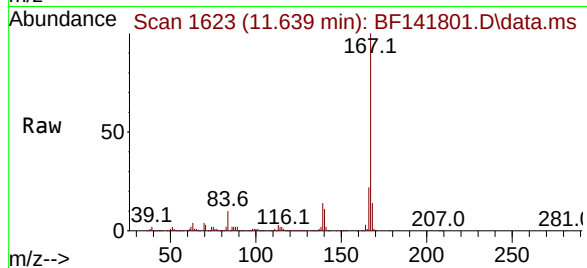




#73
Carbazole
Concen: 39.317 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

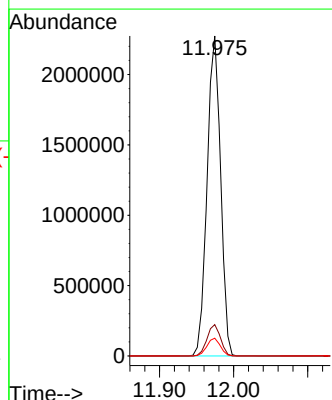
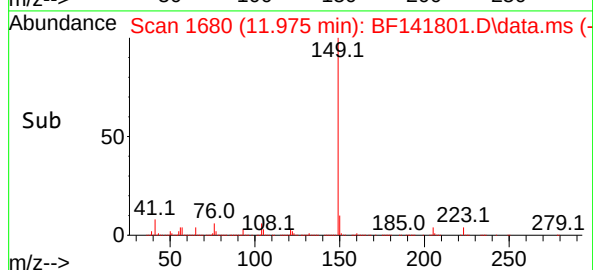
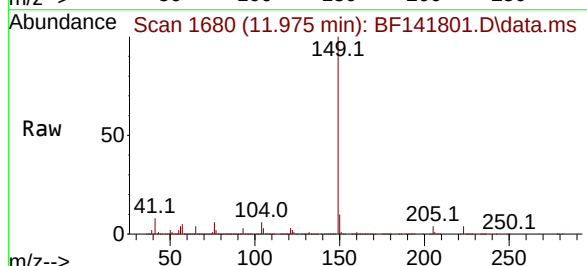
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

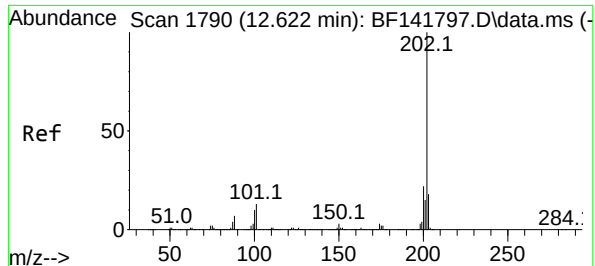
Tgt Ion:167 Resp: 2254761
Ion Ratio Lower Upper
167 100
166 21.9 17.5 26.3
139 14.2 11.3 16.9



#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

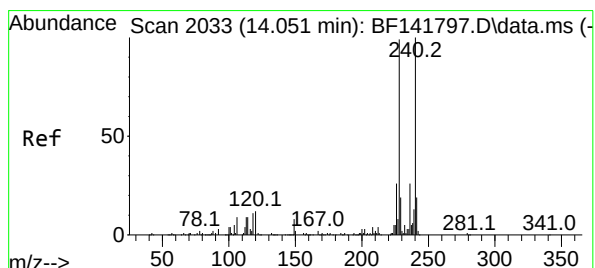
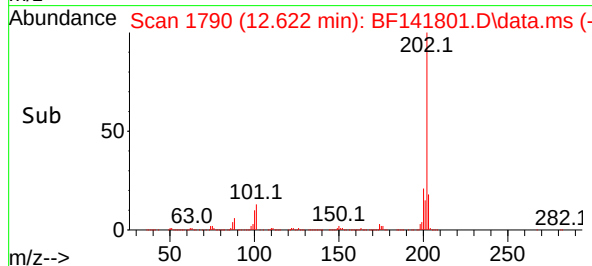
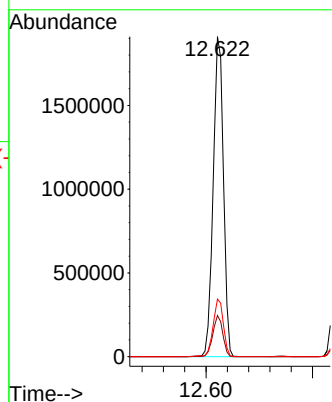
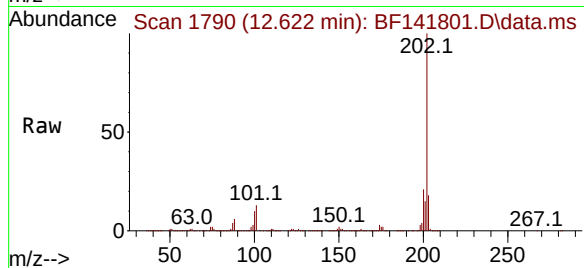




#75
Fluoranthene
Concen: 38.448 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

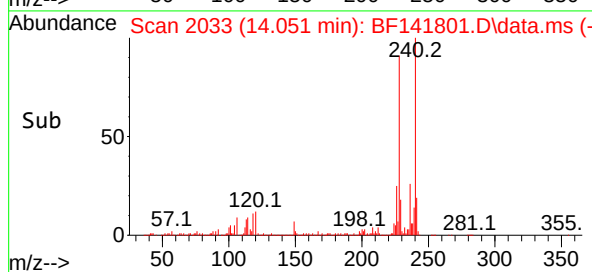
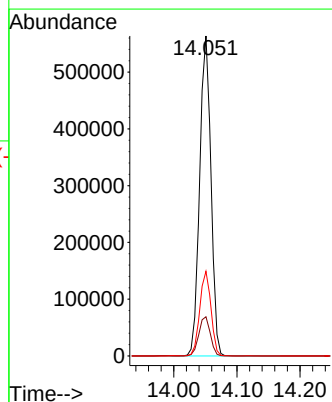
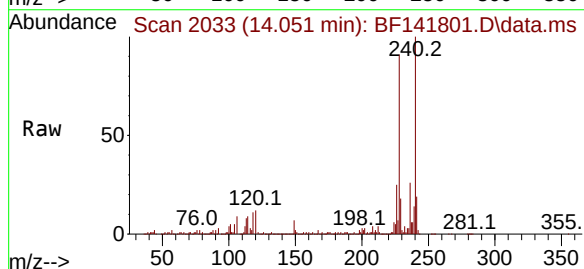
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

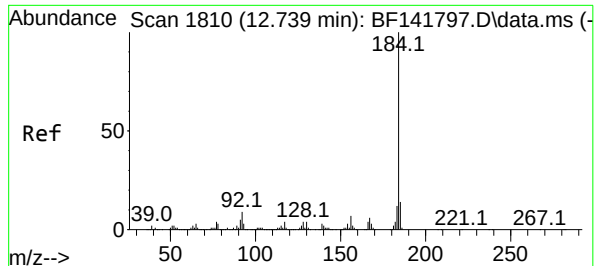
Tgt Ion:202 Resp: 2552790
Ion Ratio Lower Upper
202 100
101 12.8 0.0 32.8
203 18.0 0.0 38.0



#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

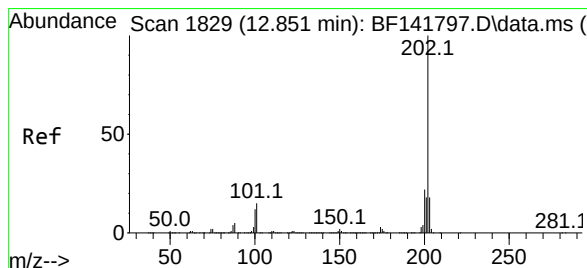
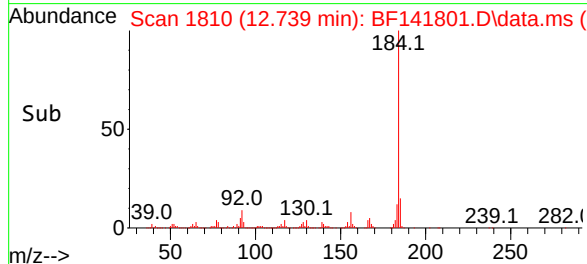
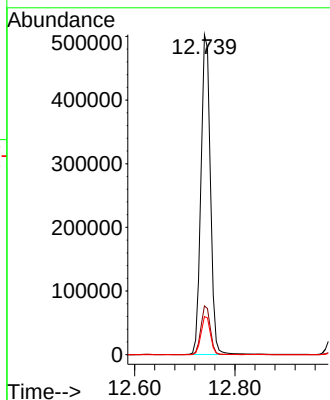
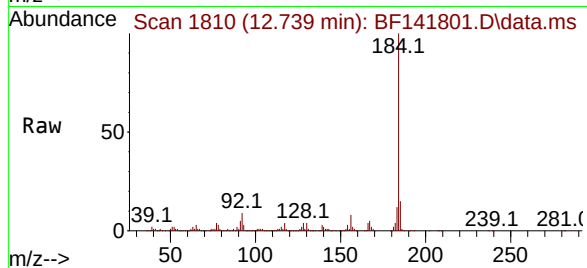




#77
Benzidine
Concen: 74.959 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

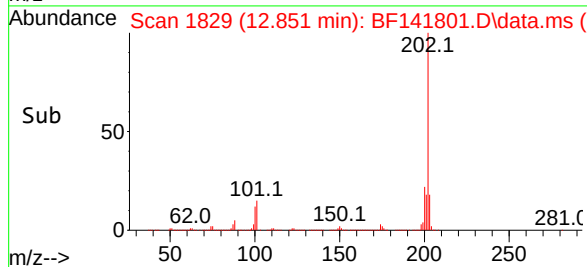
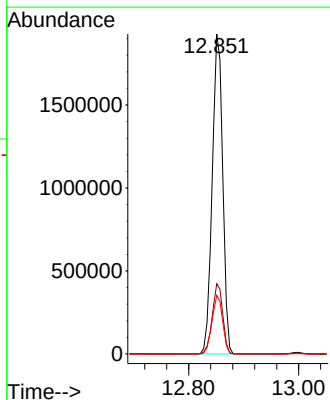
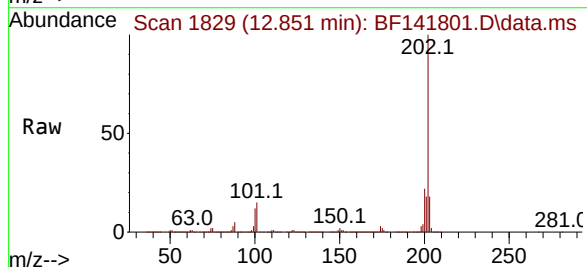
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

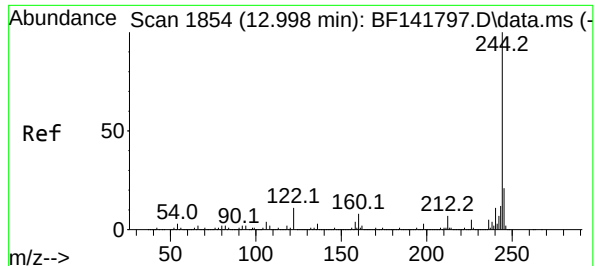
Tgt Ion:184 Resp: 657519
Ion Ratio Lower Upper
184 100
185 15.3 11.6 17.4
183 11.9 9.4 14.0



#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

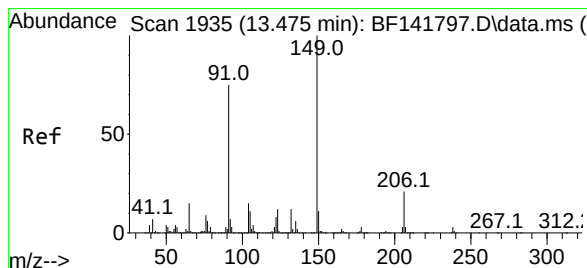
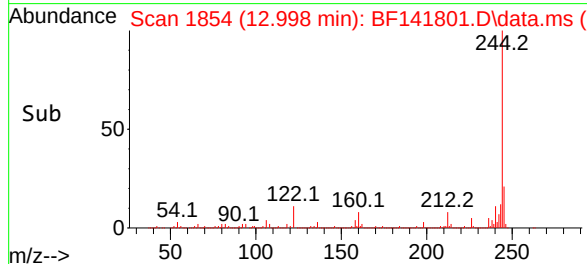
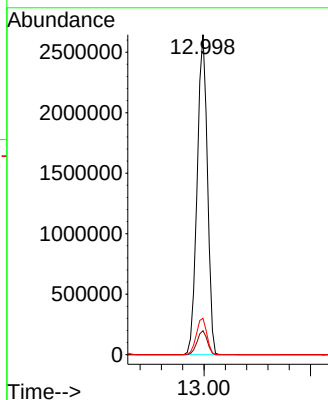
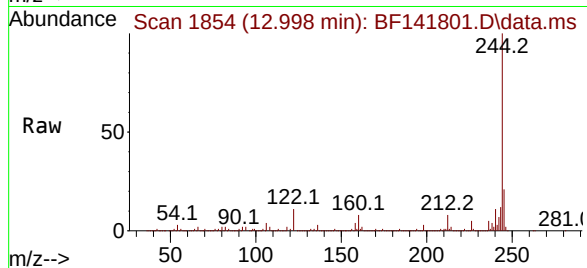
Tgt Ion:244 Resp: 3534753

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

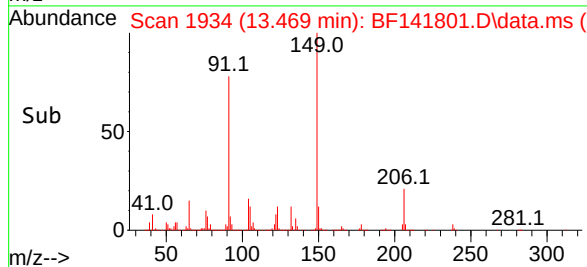
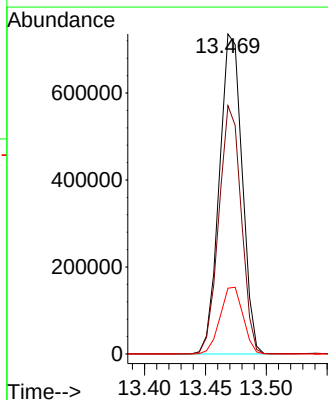
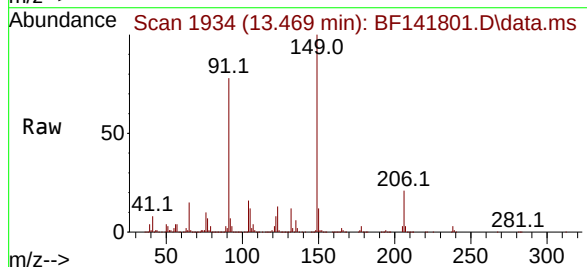
Tgt Ion:149 Resp: 957186

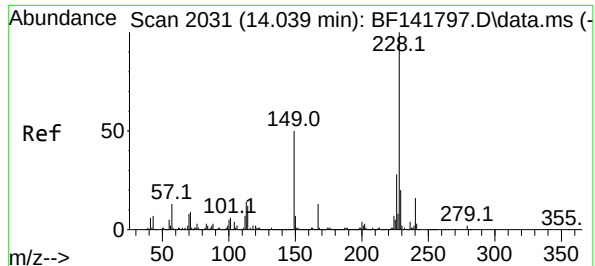
Ion Ratio Lower Upper

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

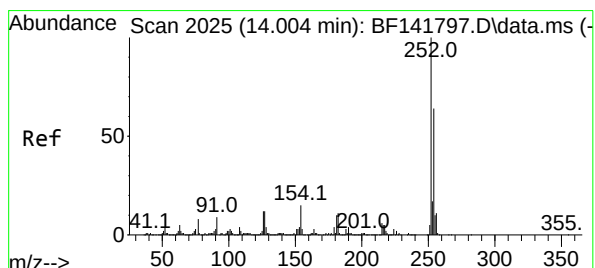
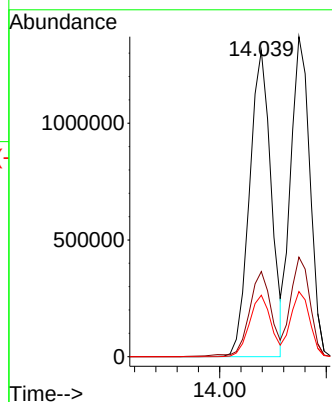
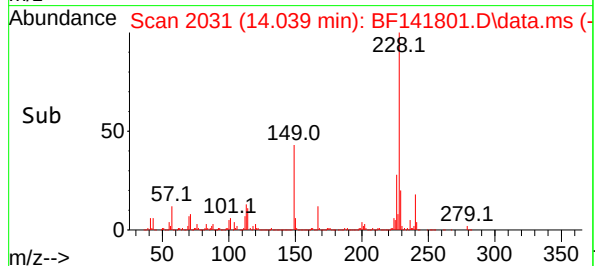
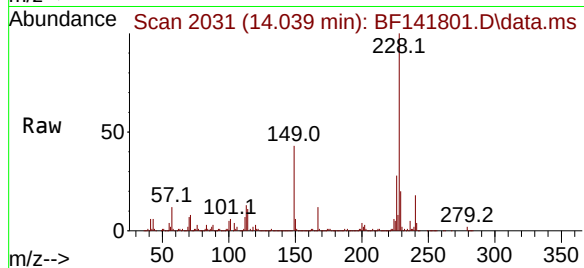
Tgt Ion:228 Resp: 1852195

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

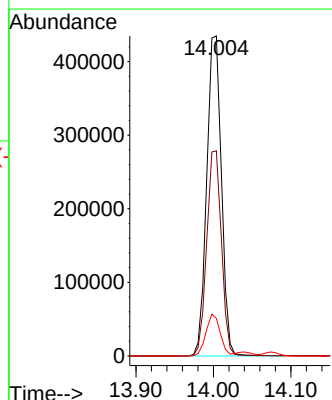
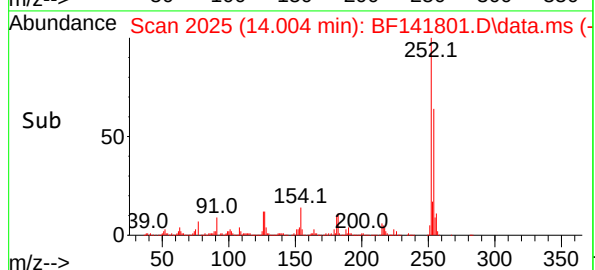
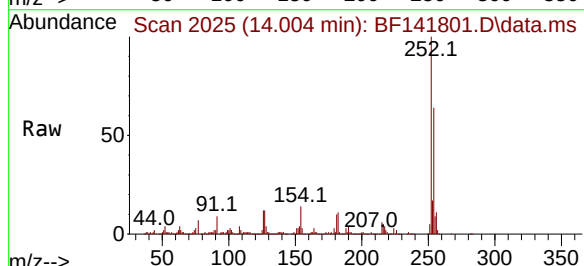
Tgt Ion:252 Resp: 573075

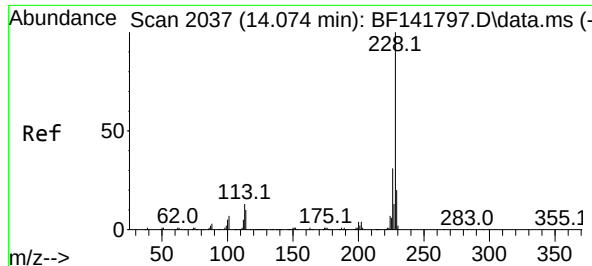
Ion Ratio Lower Upper

252 100

254 64.1 51.4 77.0

126 11.8 9.8 14.6

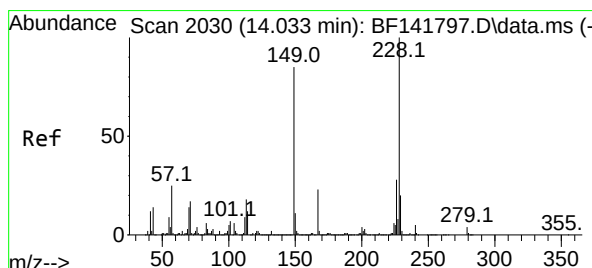
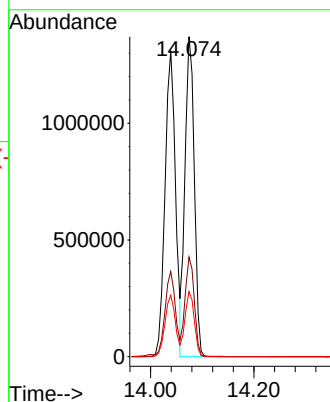
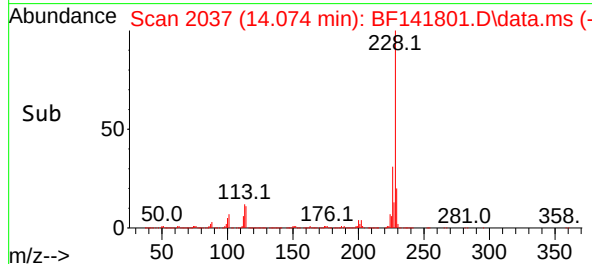
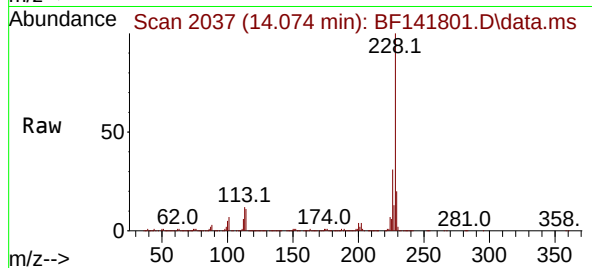




#83
Chrysene
Concen: 40.491 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

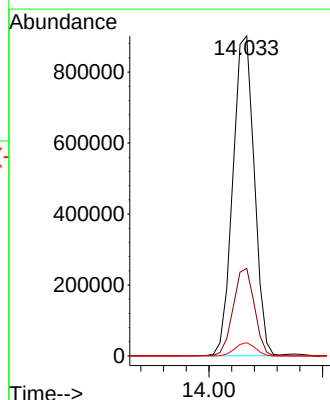
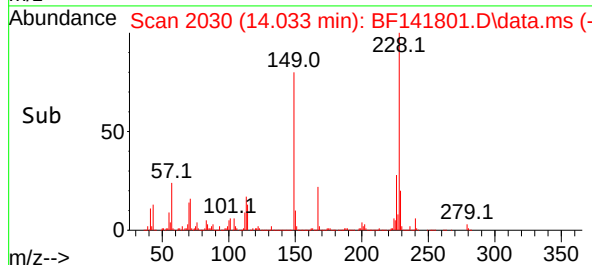
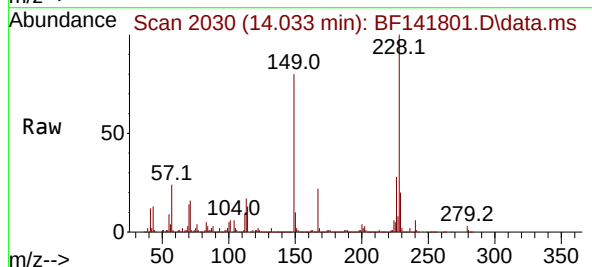
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

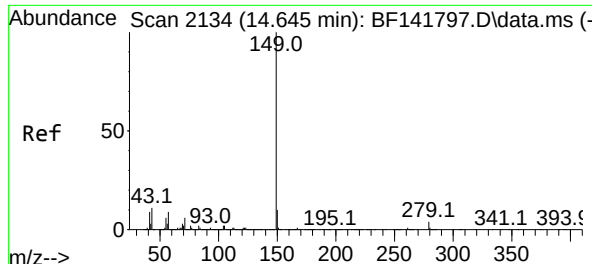
Tgt Ion:228 Resp: 1718188
Ion Ratio Lower Upper
228 100
226 31.1 24.6 37.0
229 20.4 16.1 24.1



#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

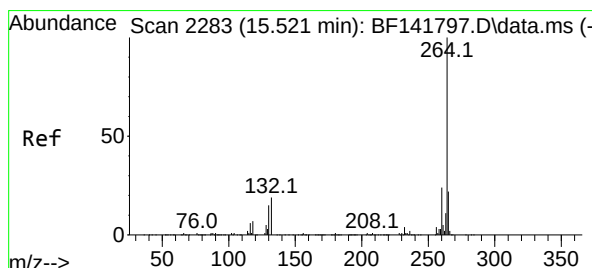
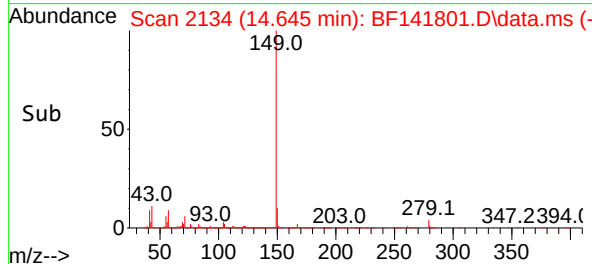
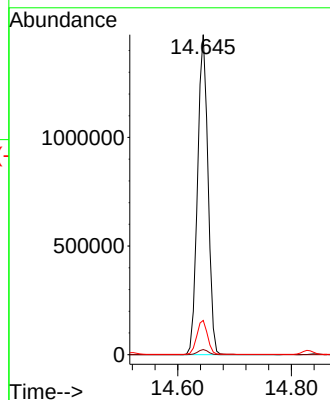
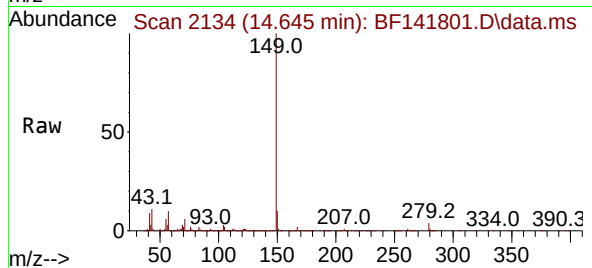




#85
Di-n-octyl phthalate
Concen: 46.033 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

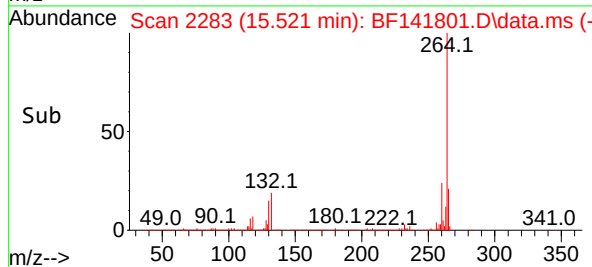
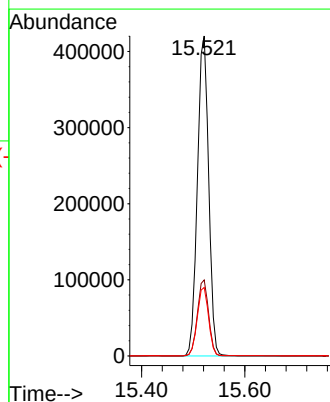
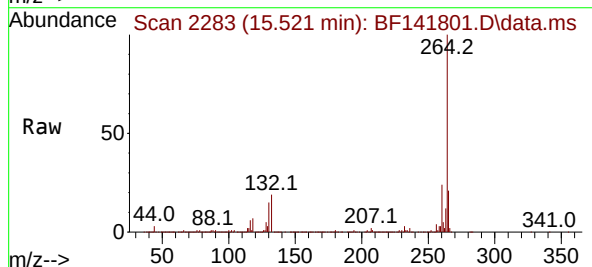
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

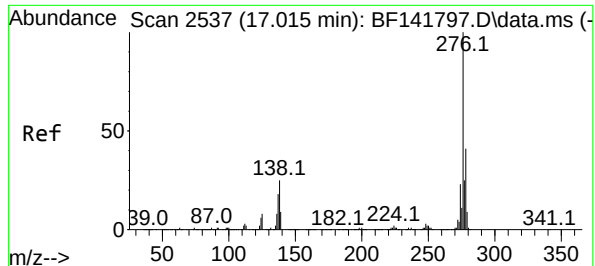
Tgt Ion:149 Resp: 1881499
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.0 8.6 12.8



#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

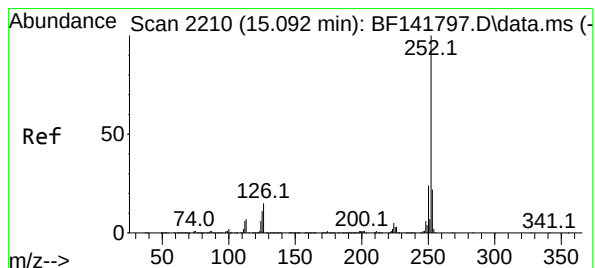
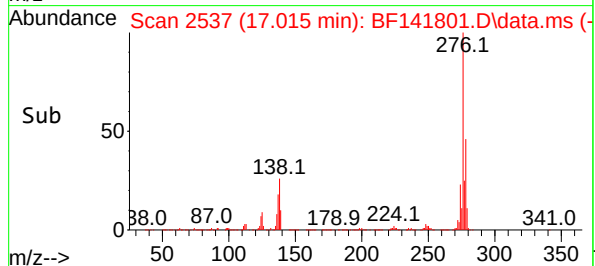
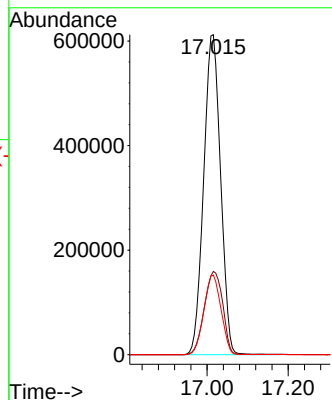
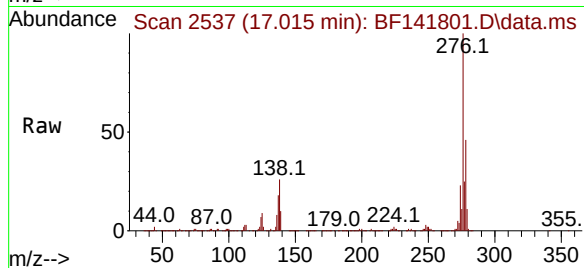




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.754 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

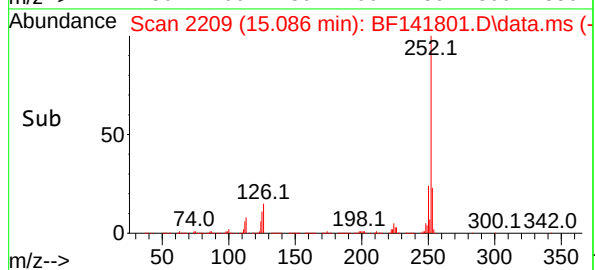
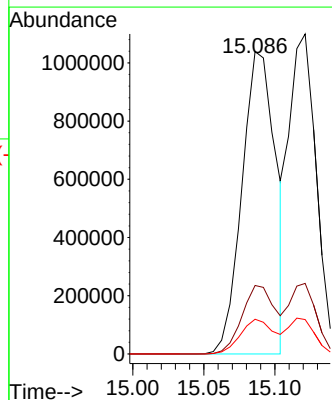
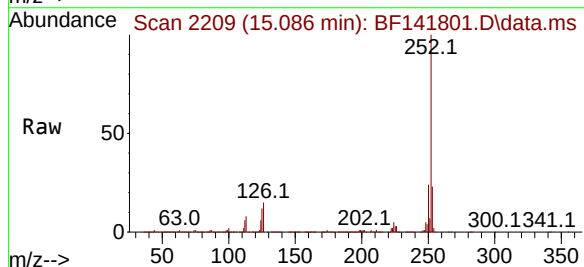
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

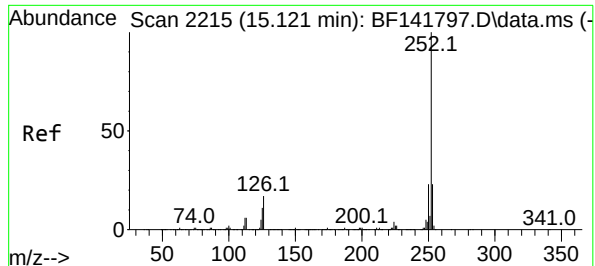
Tgt Ion:276 Resp: 1767077
Ion Ratio Lower Upper
276 100
138 28.3 22.5 33.7
277 25.3 20.3 30.5



#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

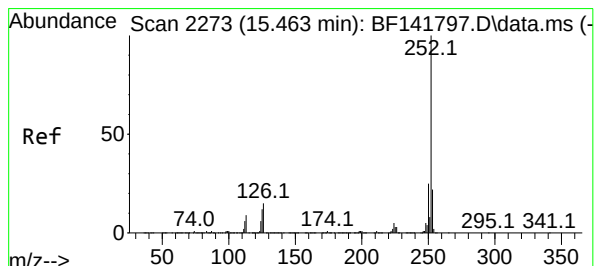
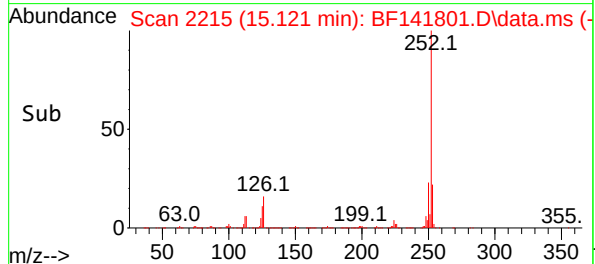
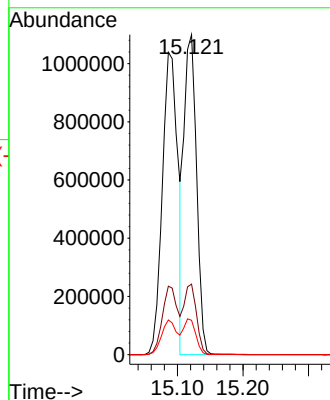
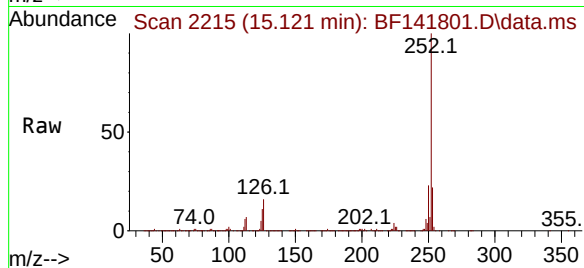
Tgt Ion:252 Resp: 1454422

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

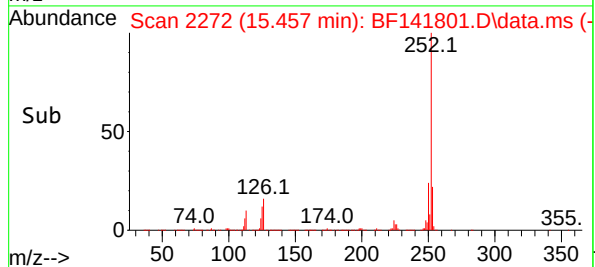
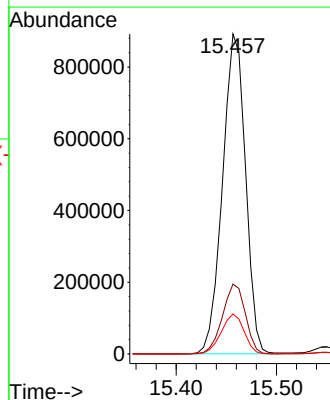
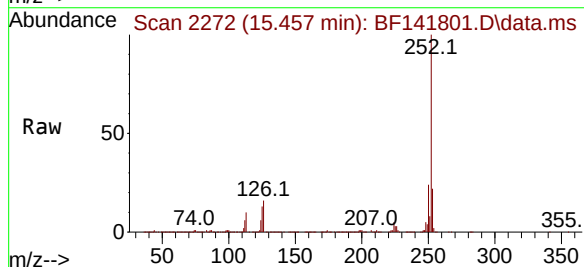
Tgt Ion:252 Resp: 1416788

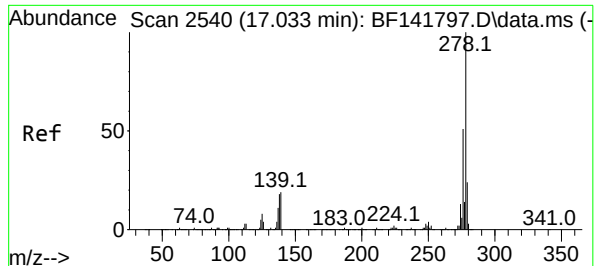
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 12.5 9.4 14.2

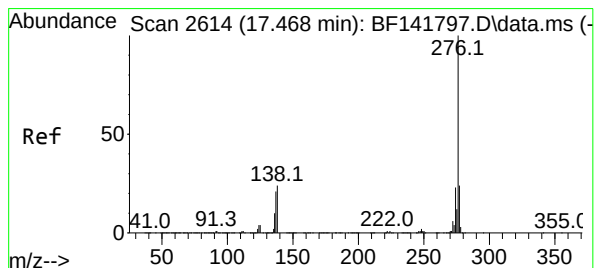
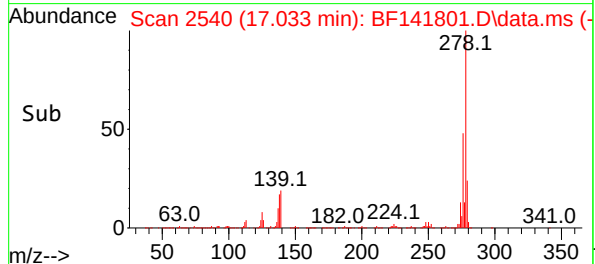
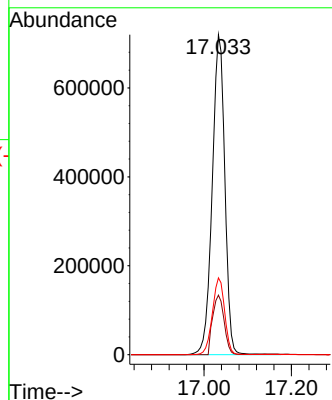
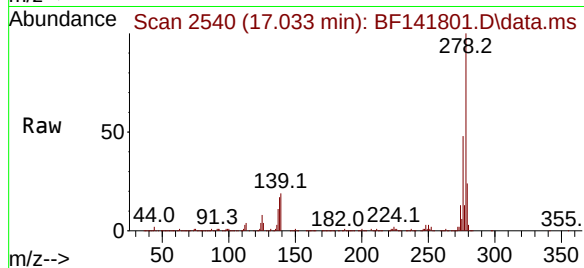




#91
Dibenzo(a,h)anthracene
Concen: 43.693 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

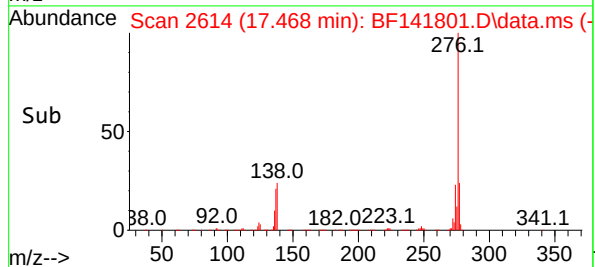
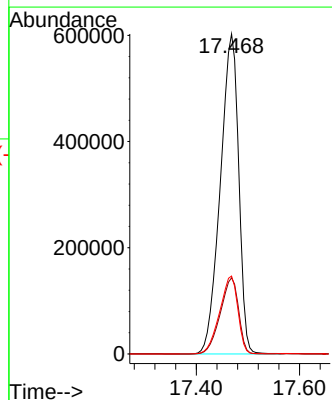
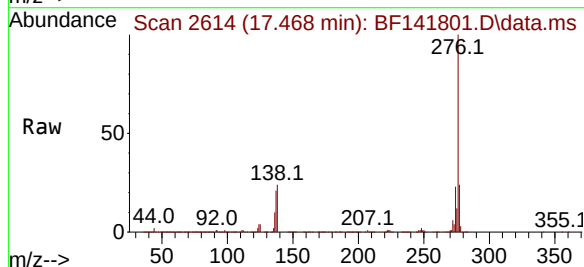
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

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: 03/06/2025 09:52

Lab File ID: BF141858.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
2-Fluorophenol	1.252	1.263		0.9	
Benzaldehyde	0.948	0.847		-10.7	
Phenol-d6	1.630	1.584		-2.8	
Phenol	1.742	1.692		-2.9	20.0
bis(2-Chloroethyl)ether	1.328	1.246		-6.2	
2-Chlorophenol	1.355	1.366		0.8	
2-Methylphenol	1.118	1.076		-3.8	
2,2-oxybis(1-Chloropropane)	2.016	1.664		-17.5	
Acetophenone	0.487	0.490		0.6	
3+4-Methylphenols	1.392	1.366		-1.9	
n-Nitroso-di-n-propylamine	1.072	0.946	0.050	-11.8	
Nitrobenzene-d5	0.313	0.382		22.0	
Hexachloroethane	0.547	0.554		1.3	
Nitrobenzene	0.335	0.382		14.0	
Isophorone	0.672	0.635		-5.5	
2-Nitrophenol	0.127	0.188		48.0	20.0
2,4-Dimethylphenol	0.247	0.253		2.4	
bis(2-Chloroethoxy)methane	0.429	0.412		-4.0	
2,4-Dichlorophenol	0.285	0.305		7.0	20.0
Naphthalene	1.028	1.054		2.5	
4-Chloroaniline	0.377	0.374		-0.8	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.088	0.093		5.7	
4-Chloro-3-methylphenol	0.317	0.330		4.1	20.0
2-Methylnaphthalene	0.674	0.684		1.5	
Hexachlorocyclopentadiene	0.241	0.266	0.050	10.4	
2,4,6-Trichlorophenol	0.373	0.399		7.0	20.0
2-Fluorobiphenyl	1.247	1.292		3.6	
2,4,5-Trichlorophenol	0.369	0.413		11.9	
1,1-Biphenyl	1.522	1.560		2.5	
2-Chloronaphthalene	1.124	1.157		2.9	
2-Nitroaniline	0.260	0.356		36.9	
Dimethylphthalate	1.339	1.363		1.8	
Acenaphthylene	1.685	1.735		3.0	
2,6-Dinitrotoluene	0.226	0.300		32.7	
3-Nitroaniline	0.241	0.314		30.3	
Acenaphthene	1.137	1.209		6.3	20.0
2,4-Dinitrophenol	0.089	0.159	0.050	78.7	
4-Nitrophenol	0.198	0.262	0.050	32.3	



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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: 03/06/2025 09:52

Lab File ID: BF141858.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
Dibenzofuran	1.654	1.682		1.7	
2,4-Dinitrotoluene	0.269	0.396		47.2	
Diethylphthalate	1.343	1.344		0.1	
4-Chlorophenyl-phenylether	0.621	0.640		3.1	
Fluorene	1.239	1.270		2.5	
4-Nitroaniline	0.229	0.307		34.1	
4,6-Dinitro-2-methylphenol	0.081	0.132		63.0	
n-Nitrosodiphenylamine	0.657	0.670		2.0	20.0
2,4,6-Tribromophenol	0.188	0.224		19.1	
4-Bromophenyl-phenylether	0.234	0.243		3.8	
Hexachlorobenzene	0.247	0.266		7.7	
Atrazine	0.181	0.155		-14.4	
Pentachlorophenol	0.156	0.186		19.2	20.0
Phenanthrene	1.070	1.115		4.2	
Anthracene	1.072	1.115		4.0	
Carbazole	0.947	0.988		4.3	
Di-n-butylphthalate	1.200	1.188		-1.0	
Fluoranthene	1.096	1.142		4.2	20.0
Pyrene	1.732	1.820		5.1	
Terphenyl-d14	1.236	1.301		5.3	
Butylbenzylphthalate	0.629	0.650		3.3	
3,3-Dichlorobenzidine	0.379	0.405		6.9	
Benzo (a) anthracene	1.321	1.360		3.0	
Chrysene	1.218	1.218		0.0	
Bis(2-ethylhexyl)phthalate	0.783	0.799		2.0	
Di-n-octyl phthalate	1.173	1.163		-0.9	20.0
Benzo (b) fluoranthene	1.362	1.388		1.9	
Benzo (k) fluoranthene	1.158	1.073		-7.3	
Benzo (a) pyrene	1.093	1.113		1.8	20.0
Indeno (1,2,3-cd) pyrene	1.274	1.507		18.3	
Dibenzo (a,h) anthracene	1.040	1.220		17.3	
Benzo (g,h,i) perylene	1.065	1.282		20.4	
1,2,4,5-Tetrachlorobenzene	0.578	0.607		5.0	
1,4-Dioxane	0.568	0.556		-2.1	20.0
2,3,4,6-Tetrachlorophenol	0.321	0.362		12.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141858.D
 Acq On : 06 Mar 2025 09:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	207866	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	779725	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	422269	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	691934	20.000	ng	0.00
76) Chrysene-d12	14.045	240	434521	20.000	ng	0.00
86) Perylene-d12	15.515	264	382575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1050190	80.684	ng	0.00
7) Phenol-d6	6.510	99	1317214	77.750	ng	0.00
23) Nitrobenzene-d5	7.445	82	1192671	97.772	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	378753	95.540	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2181831	82.849	ng	0.00
79) Terphenyl-d14	12.986	244	2261369	84.201	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	231018	39.116	ng	97
3) Pyridine	3.434	79	570443	38.819	ng	97
4) n-Nitrosodimethylamine	3.381	42	275112	38.909	ng	98
6) Aniline	6.551	93	662584	37.619	ng	99
8) 2-Chlorophenol	6.669	128	567877	40.331	ng	99
9) Benzaldehyde	6.439	77	351965	35.716	ng	96
10) Phenol	6.522	94	703333	38.850	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	517816	37.524	ng	97
12) 1,3-Dichlorobenzene	6.828	146	605732	40.171	ng	100
13) 1,4-Dichlorobenzene	6.904	146	625404	41.163	ng	99
14) 1,2-Dichlorobenzene	7.057	146	568001	40.035	ng	99
15) Benzyl Alcohol	7.022	79	524097	38.708	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	691607	33.001	ng	97
17) 2-Methylphenol	7.128	107	447215	38.479	ng	99
18) Hexachloroethane	7.398	117	230292	40.497	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	393107	35.298	ng	98
20) 3+4-Methylphenols	7.281	107	568081	39.253	ng	95
22) Acetophenone	7.292	105	764218	40.243	ng	100
24) Nitrobenzene	7.469	77	596360	45.653	ng	97
25) Isophorone	7.704	82	990974	37.814	ng	98
26) 2-Nitrophenol	7.781	139	292782	49.968	ng	99
27) 2,4-Dimethylphenol	7.810	122	394540	40.956	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	642746	38.448	ng	99
29) 2,4-Dichlorophenol	8.016	162	475671	42.802	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	518388	42.568	ng	99
31) Naphthalene	8.192	128	1644085	41.026	ng	99
32) Benzoic acid	7.916	122	390032	48.428	ng	98
33) 4-Chloroaniline	8.233	127	583547	39.713	ng	99
34) Hexachlorobutadiene	8.304	225	324659	42.902	ng	99
35) Caprolactam	8.598	113	144396	42.235	ng	89
36) 4-Chloro-3-methylphenol	8.704	107	514325	41.661	ng	99
37) 2-Methylnaphthalene	8.880	142	1066438	40.571	ng	99
38) 1-Methylnaphthalene	8.980	142	1024218	40.609	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	513015	42.066	ng	99
41) Hexachlorocyclopentadiene	9.033	237	224284	44.067	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	336951	42.772	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141858.D
 Acq On : 06 Mar 2025 09:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Mar 06 10:25:20 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

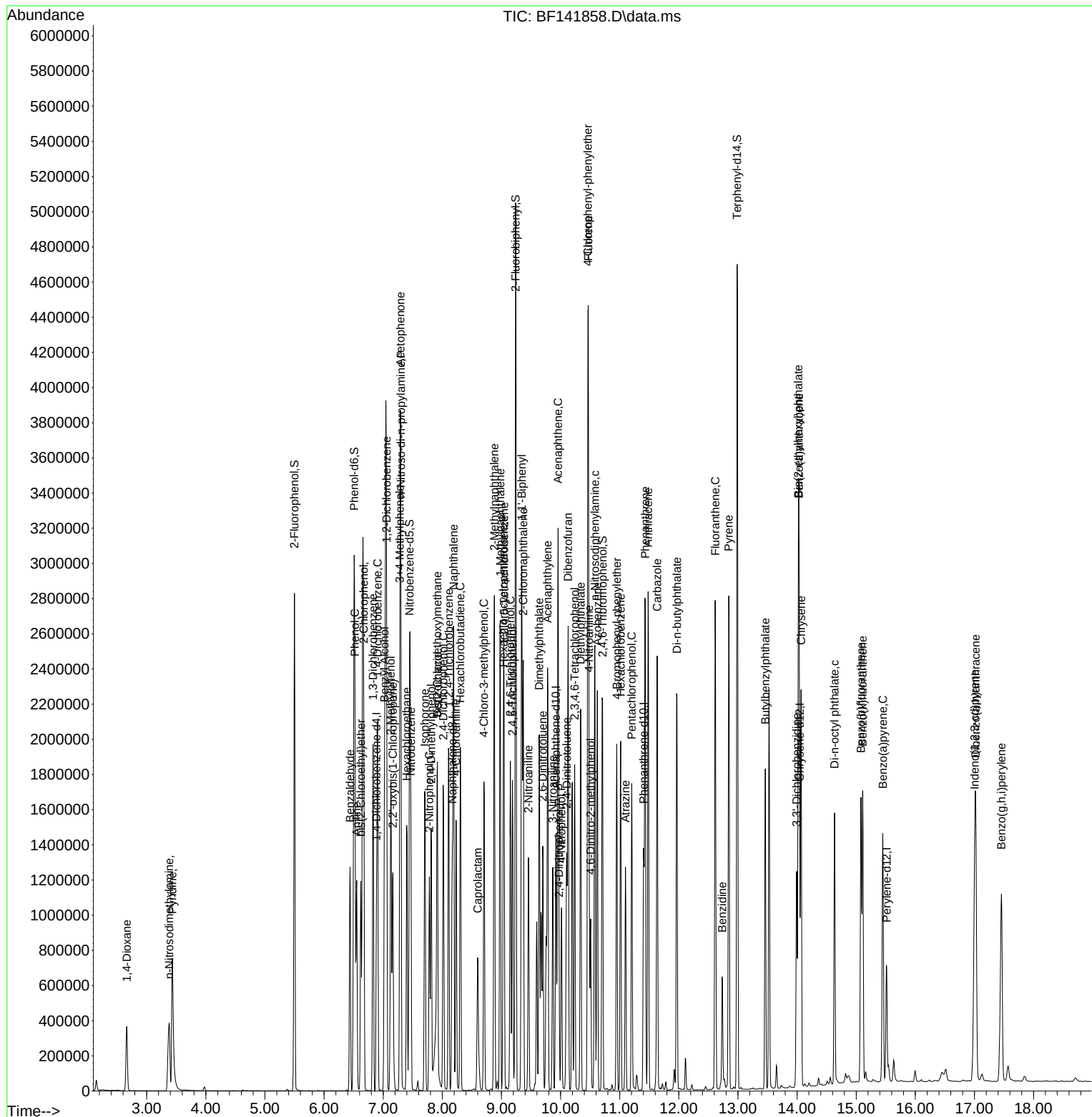
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	349000	44.739	ng	98
46) 1,1'-Biphenyl	9.345	154	1317612	40.994	ng	99
47) 2-Chloronaphthalene	9.369	162	977366	41.199	ng	99
48) 2-Nitroaniline	9.457	65	301038	46.508	ng	95
49) Acenaphthylene	9.780	152	1465550	41.204	ng	99
50) Dimethylphthalate	9.639	163	1150740	40.693	ng	100
51) 2,6-Dinitrotoluene	9.698	165	253007	46.842	ng	96
52) Acenaphthene	9.957	154	1020635	42.527	ng	99
53) 3-Nitroaniline	9.869	138	265149	46.137	ng #	95
54) 2,4-Dinitrophenol	9.975	184	134035	59.722	ng #	1
55) Dibenzofuran	10.127	168	1420674	40.671	ng	100
56) 4-Nitrophenol	10.016	139	221169	52.954	ng	97
57) 2,4-Dinitrotoluene	10.104	165	334417	50.419	ng	90
58) Fluorene	10.469	166	1072855	41.003	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	306137	45.123	ng	100
60) Diethylphthalate	10.339	149	1135424	40.052	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	540721	41.246	ng	98
62) 4-Nitroaniline	10.480	138	259275	53.688	ng	97
63) Azobenzene	10.622	77	1146863	38.422	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	182658	54.694	ng	90
66) n-Nitrosodiphenylamine	10.580	169	927726	40.832	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	336262	41.606	ng	98
68) Hexachlorobenzene	11.016	284	367747	43.090	ng	98
69) Atrazine	11.098	200	214392	34.313	ng	98
70) Pentachlorophenol	11.204	266	256754	47.434	ng	99
71) Phenanthrene	11.433	178	1542542	41.677	ng	99
72) Anthracene	11.480	178	1542354	41.580	ng	99
73) Carbazole	11.633	167	1367611	41.751	ng	100
74) Di-n-butylphthalate	11.969	149	1643939	39.592	ng	99
75) Fluoranthene	12.616	202	1579732	41.655	ng	98
77) Benzidine	12.733	184	350744	64.132	ng	100
78) Pyrene	12.845	202	1581543	42.032	ng	99
80) Butylbenzylphthalate	13.463	149	565050	41.333	ng	97
81) Benzo(a)anthracene	14.033	228	1181513	41.166	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	352265	42.780	ng	100
83) Chrysene	14.068	228	1058301	40.001	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	694013	40.771	ng	99
85) Di-n-octyl phthalate	14.633	149	1010509	39.653	ng	97
87) Indeno(1,2,3-cd)pyrene	17.003	276	1152756	47.319	ng	97
88) Benzo(b)fluoranthene	15.080	252	1062079	40.755	ng	99
89) Benzo(k)fluoranthene	15.110	252	821007	37.066	ng	99
90) Benzo(a)pyrene	15.451	252	851884	40.761	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	933839	46.962	ng	98
92) Benzo(g,h,i)perylene	17.456	276	980552	48.133	ng	97

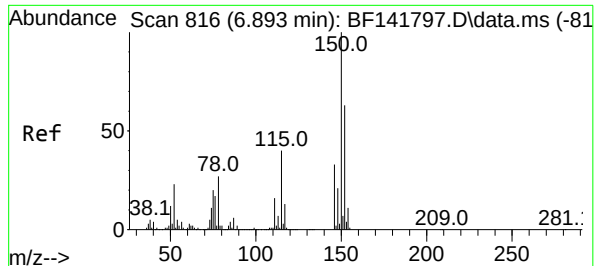
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Data File : BF141858.D  
Acq On    : 06 Mar 2025  09:52  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

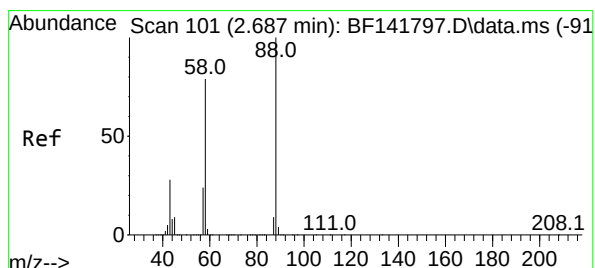
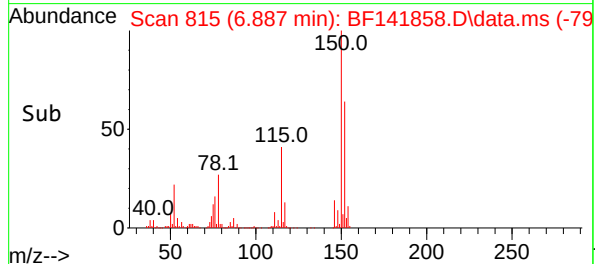
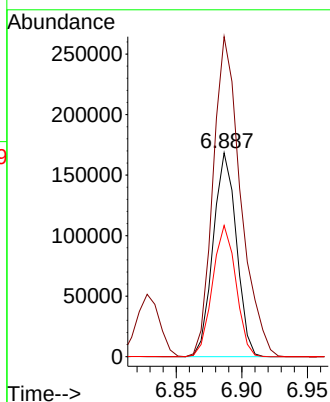
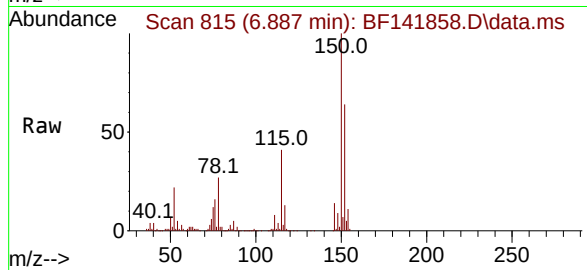




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

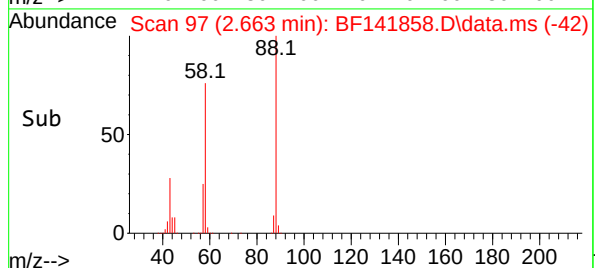
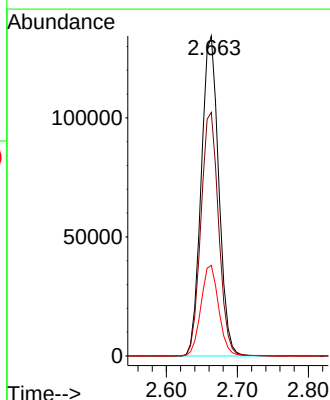
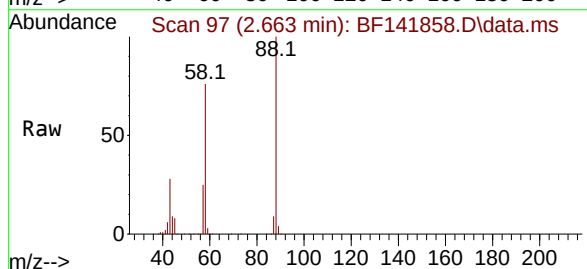
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

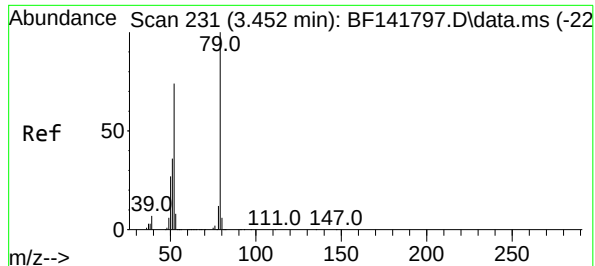
Tgt Ion:152 Resp: 207866
Ion Ratio Lower Upper
152 100
150 157.0 127.5 191.3
115 64.3 51.4 77.2



#2
1,4-Dioxane
Concen: 39.116 ng
RT: 2.663 min Scan# 97
Delta R.T. -0.024 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 88 Resp: 231018
Ion Ratio Lower Upper
88 100
58 76.7 63.9 95.9
43 28.9 23.0 34.6

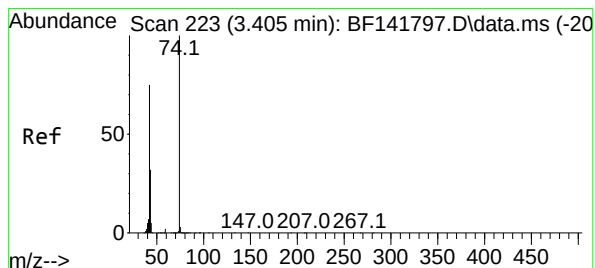
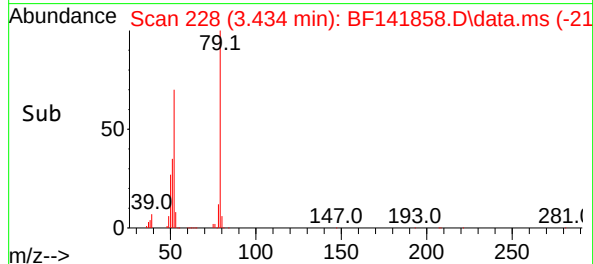
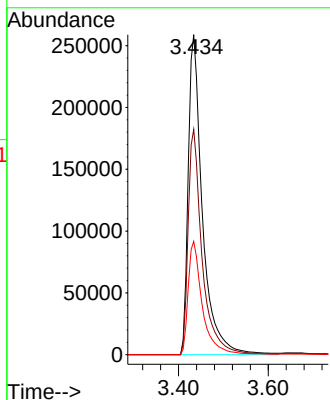
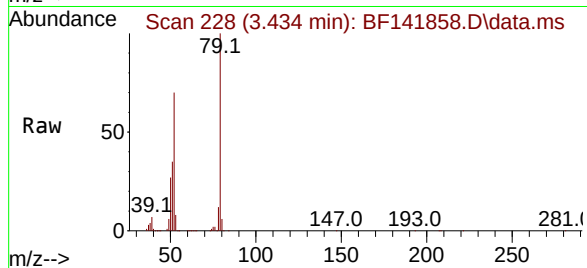




#3
Pyridine
Concen: 38.819 ng
RT: 3.434 min Scan# 219
Delta R.T. -0.018 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

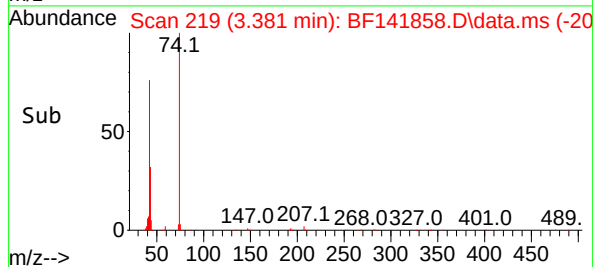
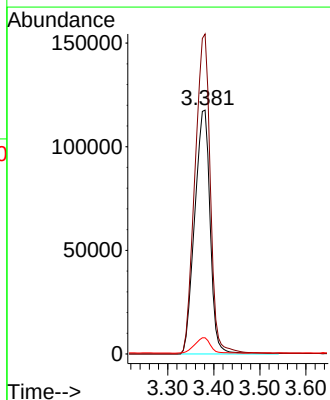
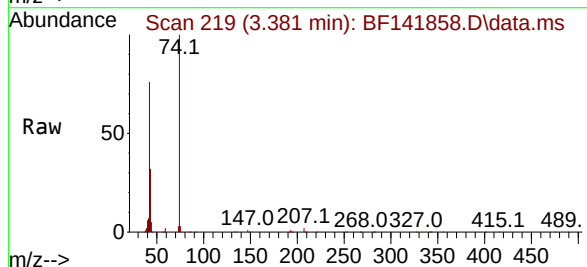
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

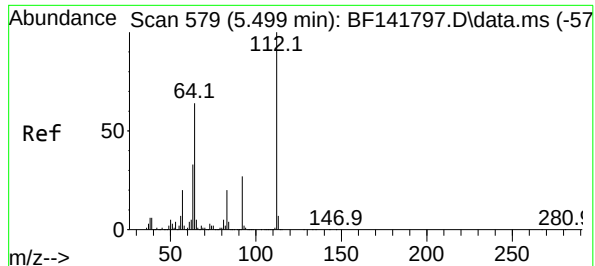
Tgt Ion: 79 Resp: 570443
Ion Ratio Lower Upper
79 100
52 70.4 59.0 88.4
51 35.4 29.0 43.4



#4
n-Nitrosodimethylamine
Concen: 38.909 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 42 Resp: 275112
Ion Ratio Lower Upper
42 100
74 131.2 107.1 160.7
44 6.6 6.6 9.8

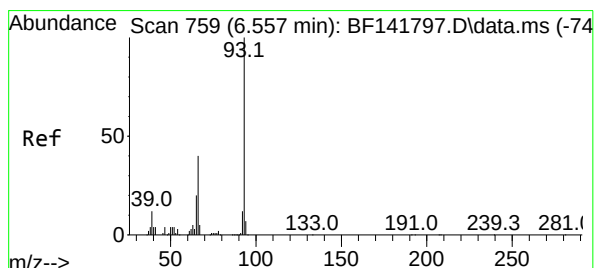
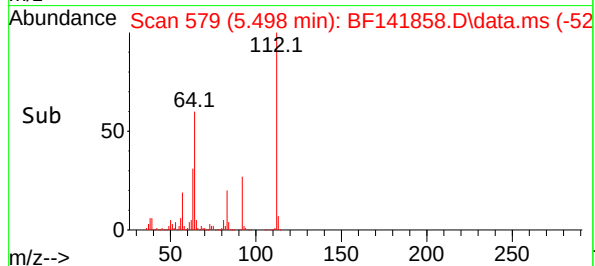
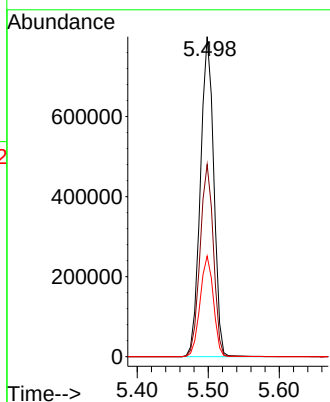
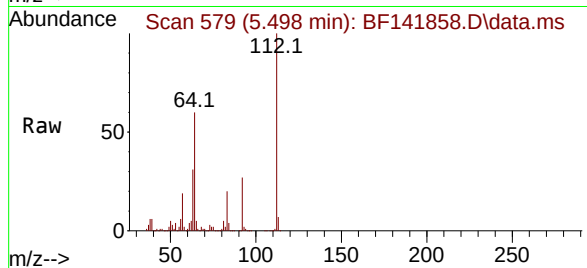




#5
2-Fluorophenol
Concen: 80.684 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

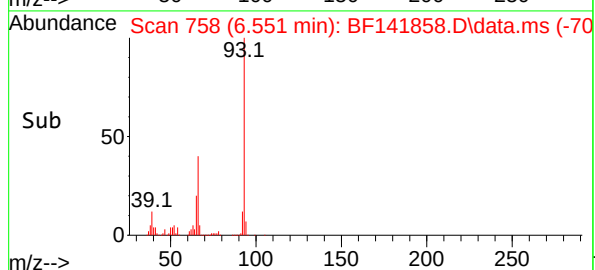
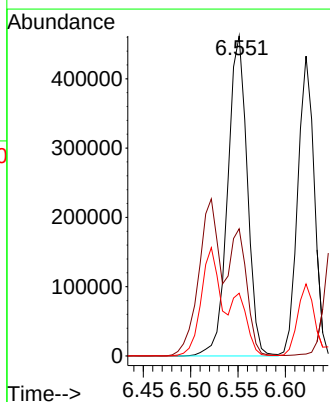
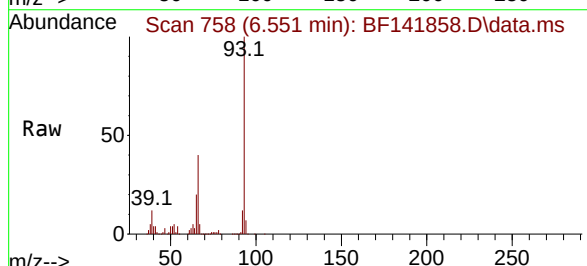
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

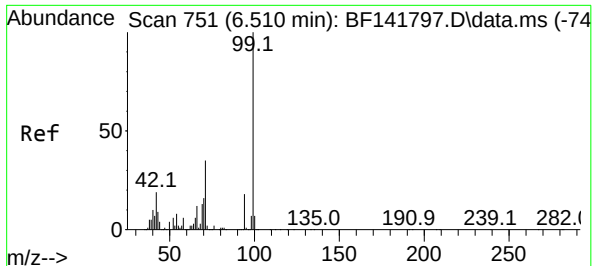
Tgt Ion:112 Resp: 1050190
Ion Ratio Lower Upper
112 100
64 60.0 51.3 76.9
63 31.5 26.2 39.4



#6
Aniline
Concen: 37.619 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 93 Resp: 662584
Ion Ratio Lower Upper
93 100
66 39.7 32.3 48.5
65 19.6 15.9 23.9

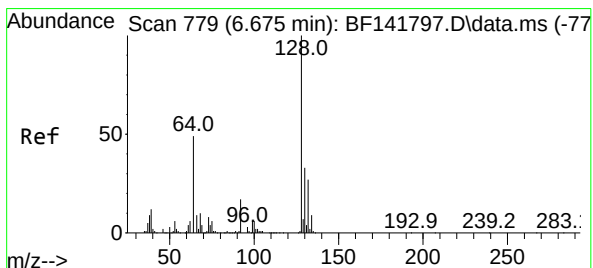
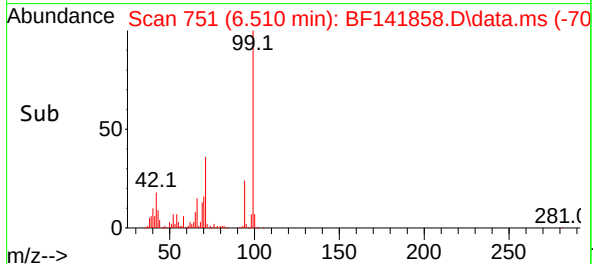
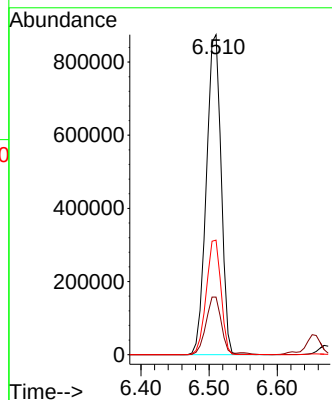
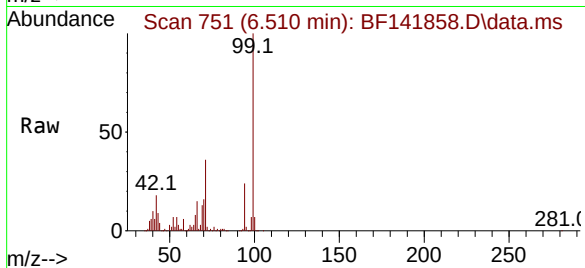




#7
Phenol-d6
Concen: 77.750 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

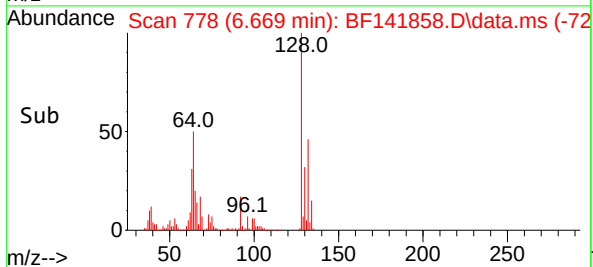
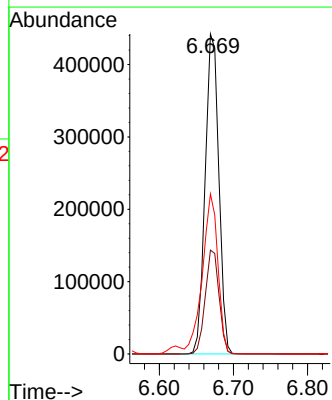
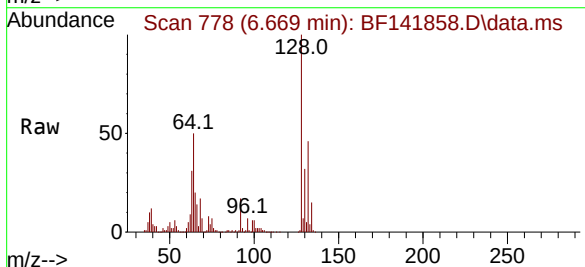
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

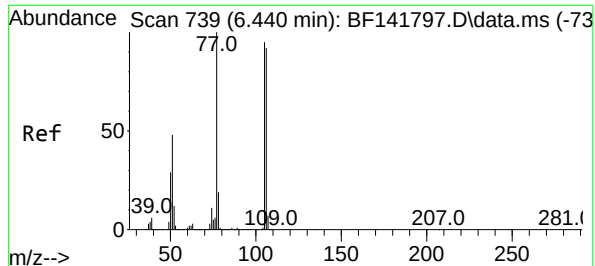
Tgt Ion: 99 Resp: 1317214
Ion Ratio Lower Upper
99 100
42 18.0 15.2 22.8
71 35.8 28.2 42.2



#8
2-Chlorophenol
Concen: 40.331 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 128 Resp: 567877
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 50.0 31.1 71.1





#9

Benzaldehyde

Concen: 35.716 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

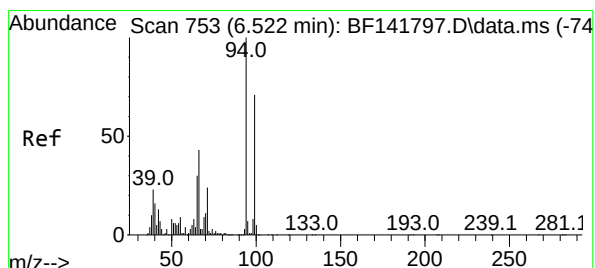
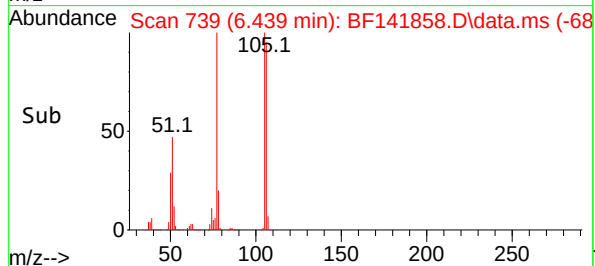
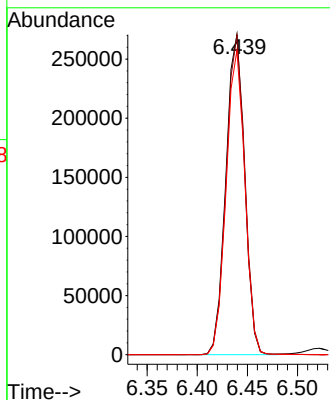
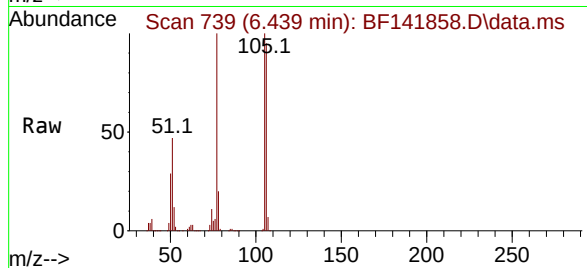
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 351965

Ion	Ratio	Lower	Upper
77	100		
105	99.8	75.3	115.3
106	95.1	72.3	112.3



#10

Phenol

Concen: 38.850 ng

RT: 6.522 min Scan# 753

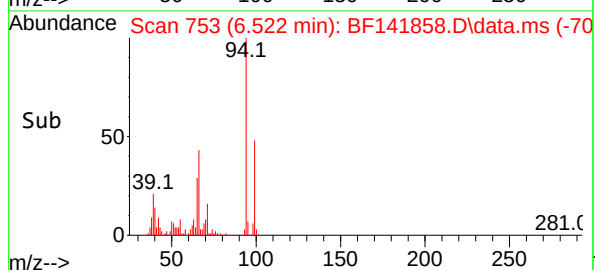
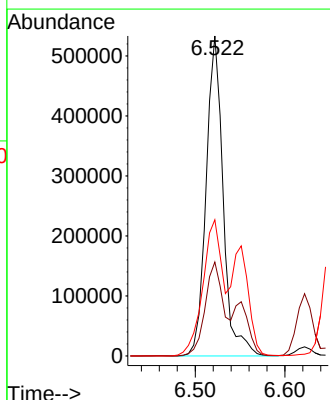
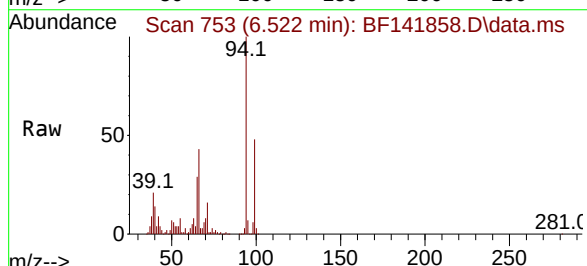
Delta R.T. -0.000 min

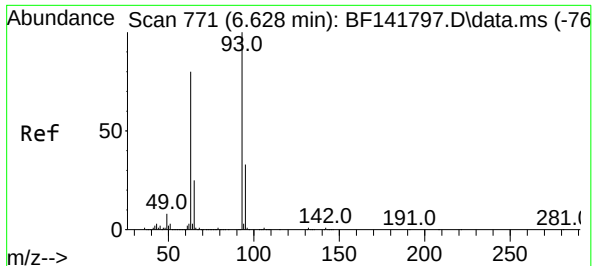
Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Tgt Ion: 94 Resp: 703333

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.2	50.2
66	42.5	23.2	63.2

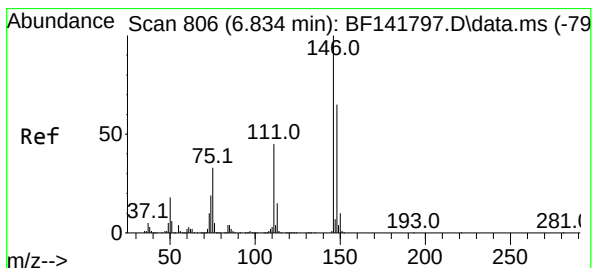
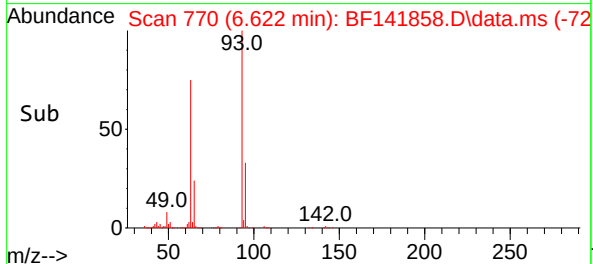
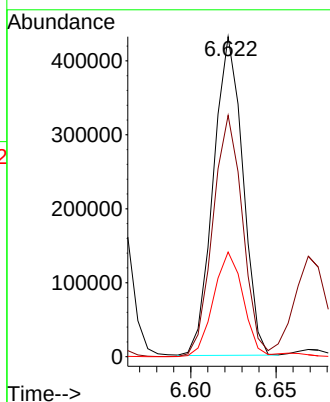
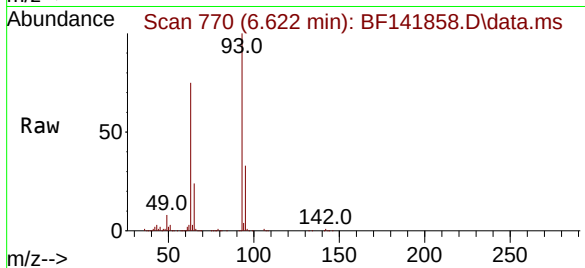




#11
bis(2-Chloroethyl)ether
Concen: 37.524 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

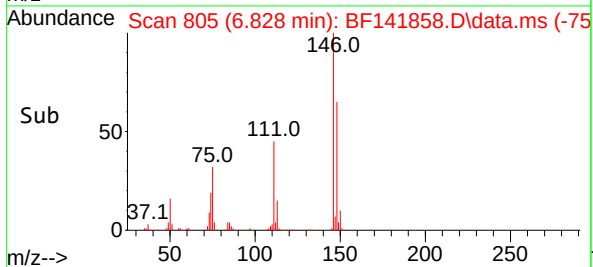
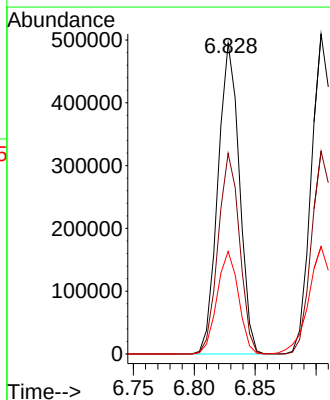
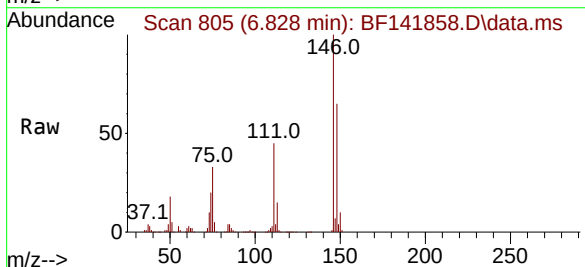
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

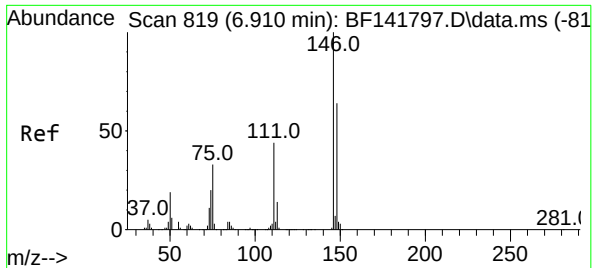
Tgt Ion: 93 Resp: 517816
Ion Ratio Lower Upper
93 100
63 75.4 59.3 99.3
95 32.7 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 40.171 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 146 Resp: 605732
Ion Ratio Lower Upper
146 100
148 64.5 51.8 77.6
75 33.0 26.2 39.4

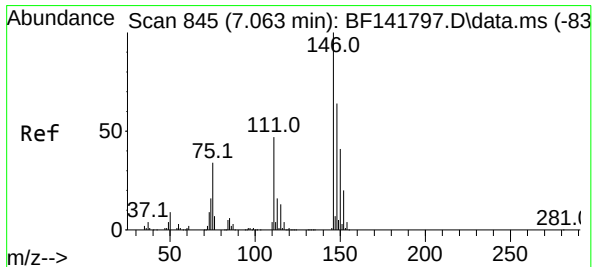
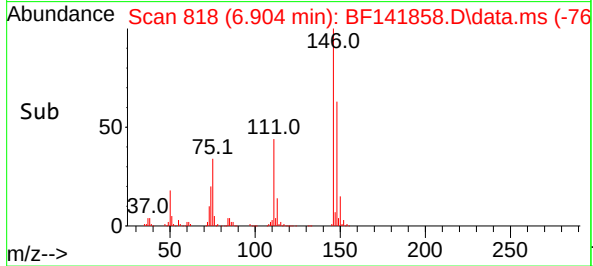
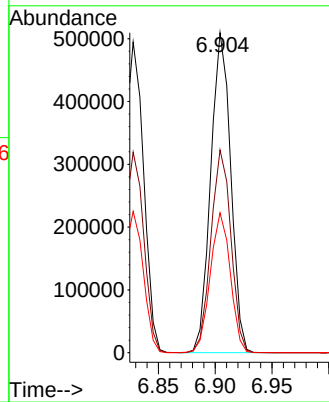
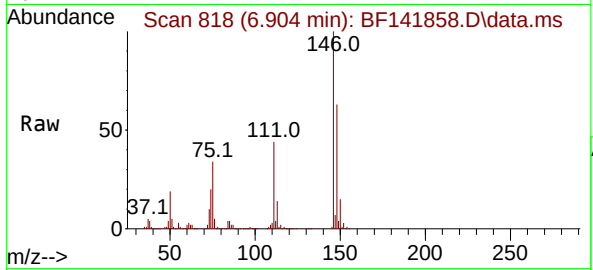




#13
1,4-Dichlorobenzene
Concen: 41.163 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

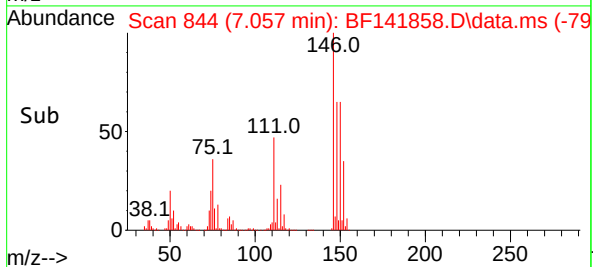
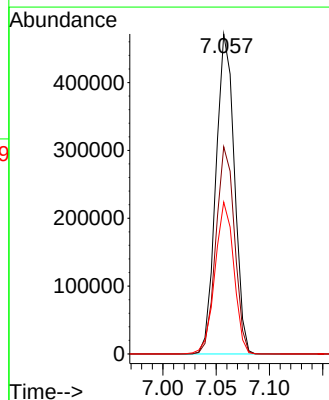
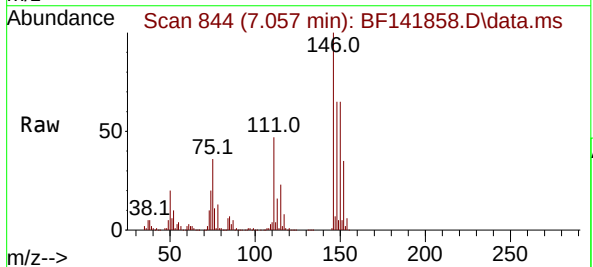
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

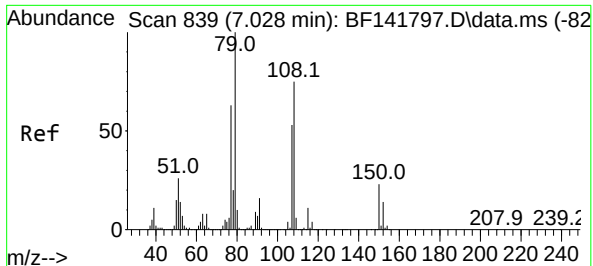
Tgt Ion:146 Resp: 625404
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.2
111 43.7 35.5 53.3



#14
1,2-Dichlorobenzene
Concen: 40.035 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:146 Resp: 568001
Ion Ratio Lower Upper
146 100
148 64.7 51.2 76.8
111 47.5 37.8 56.6

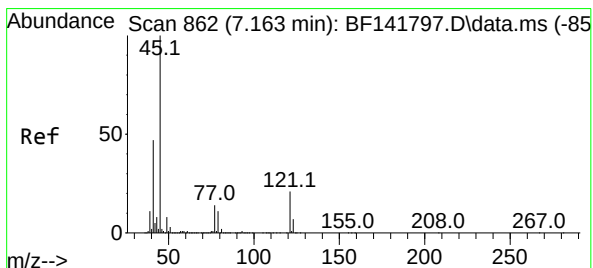
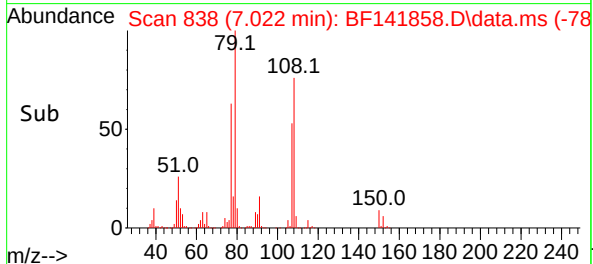
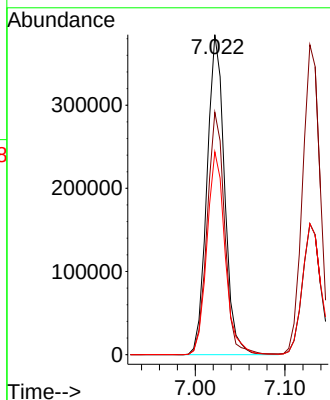
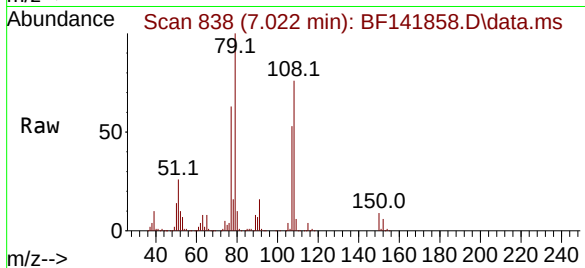




#15
Benzyl Alcohol
Concen: 38.708 ng
RT: 7.022 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

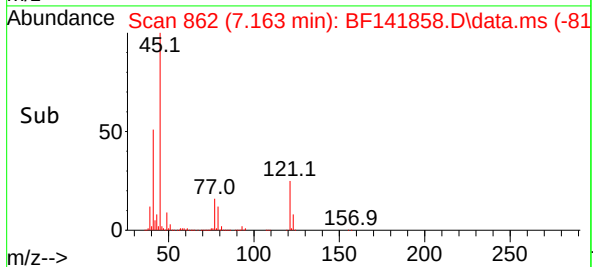
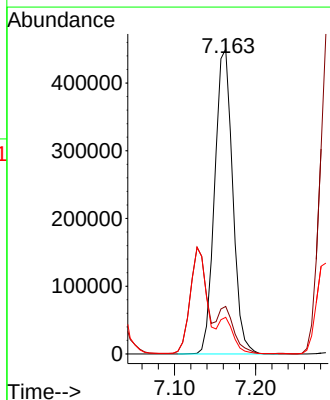
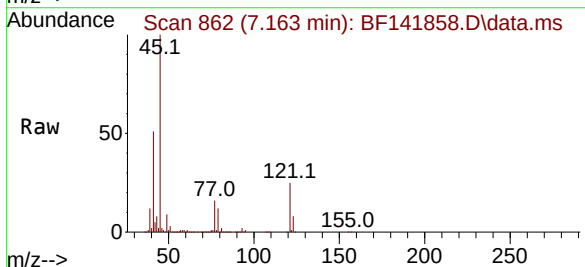
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

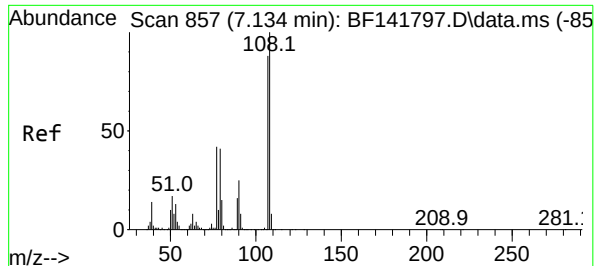
Tgt Ion: 79 Resp: 524097
Ion Ratio Lower Upper
79 100
108 75.8 60.2 90.2
77 63.4 50.2 75.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 33.001 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 45 Resp: 691607
Ion Ratio Lower Upper
45 100
77 15.6 0.0 34.4
79 12.0 0.0 30.9

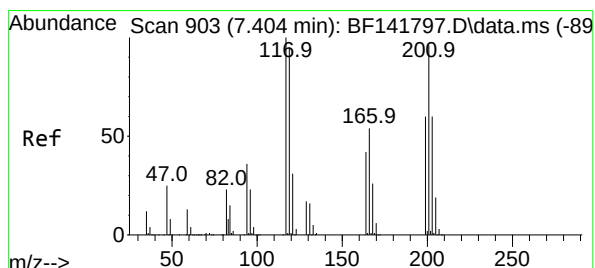
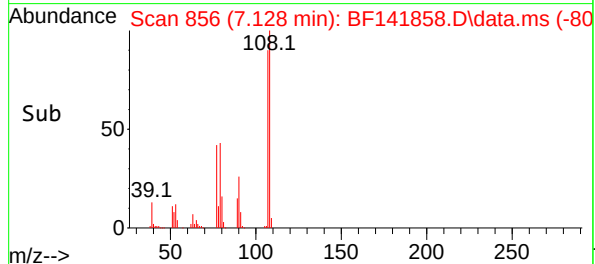
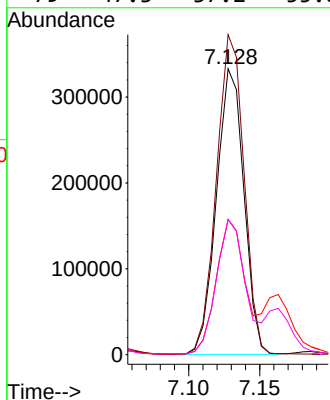
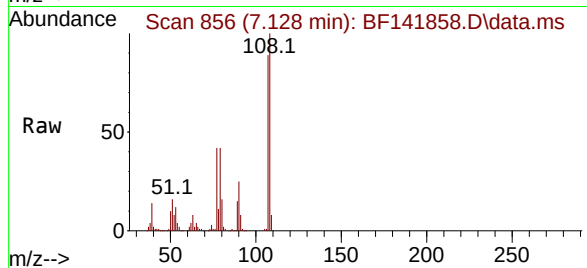




#17
2-Methylphenol
Concen: 38.479 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

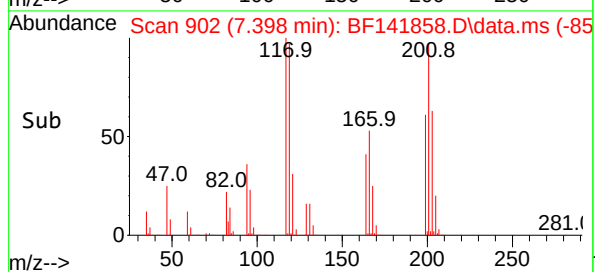
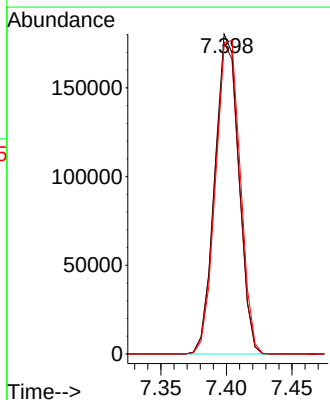
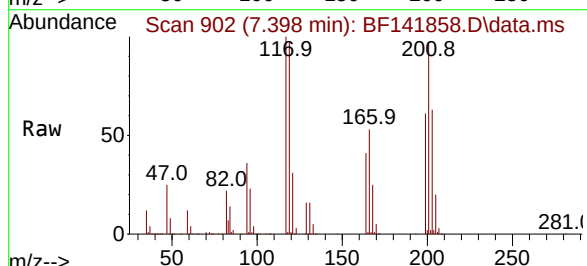
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

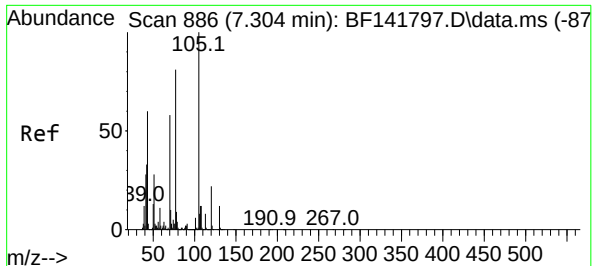
Tgt Ion:107 Resp: 447215
Ion Ratio Lower Upper
107 100
108 111.9 90.6 135.8
77 47.3 37.7 56.5
79 47.3 37.2 55.8



#18
Hexachloroethane
Concen: 40.497 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:117 Resp: 230292
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.8
201 97.1 76.7 115.1

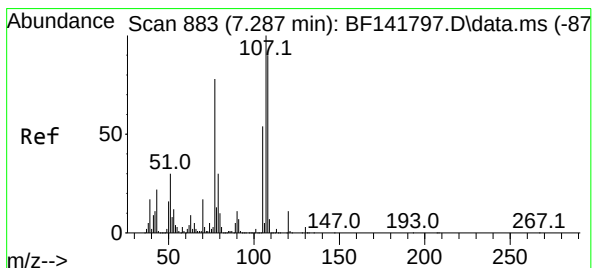
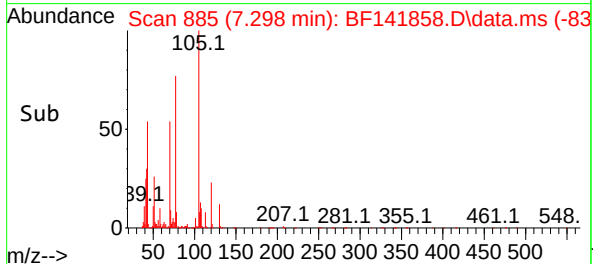
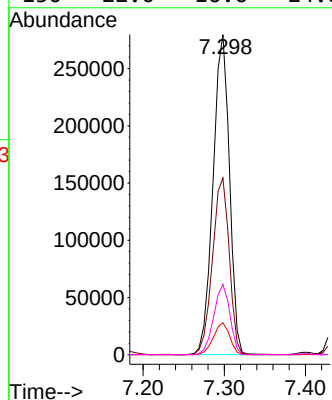
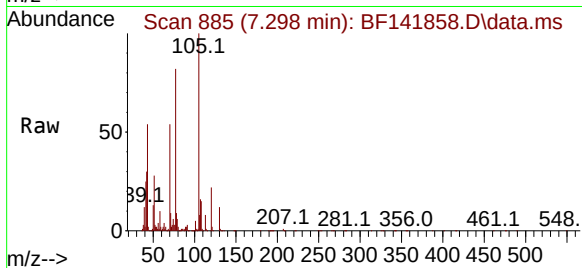




#19
n-Nitroso-di-n-propylamine
Concen: 35.298 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

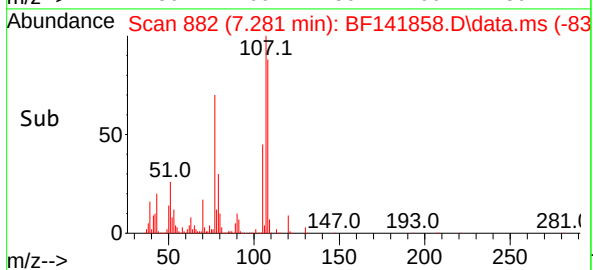
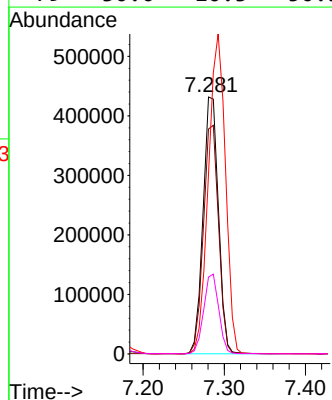
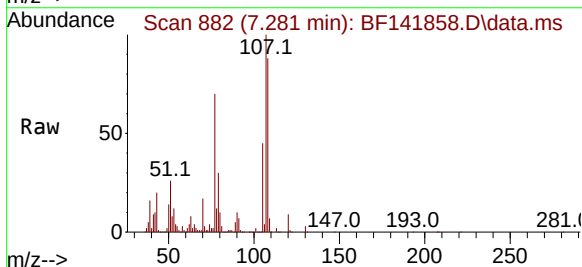
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

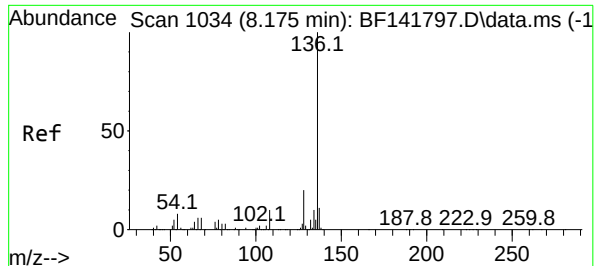
Tgt Ion: 70 Resp: 393107
Ion Ratio Lower Upper
70 100
42 55.3 45.4 68.0
101 10.0 7.8 11.8
130 22.0 16.6 24.8



#20
3+4-Methylphenols
Concen: 39.253 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 107 Resp: 568081
Ion Ratio Lower Upper
107 100
108 87.5 69.7 109.7
77 70.1 58.3 98.3
79 30.0 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: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 779725

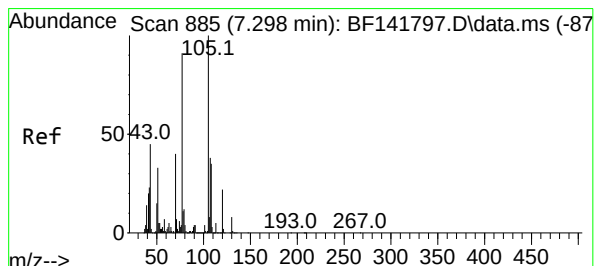
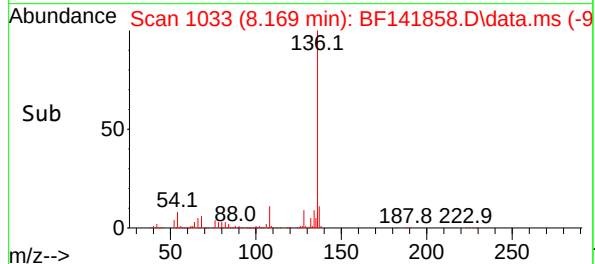
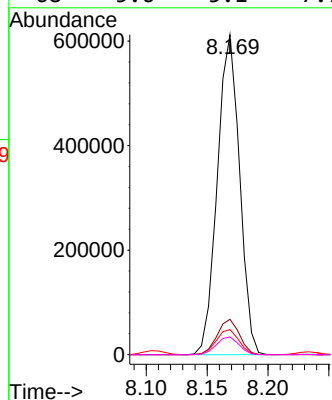
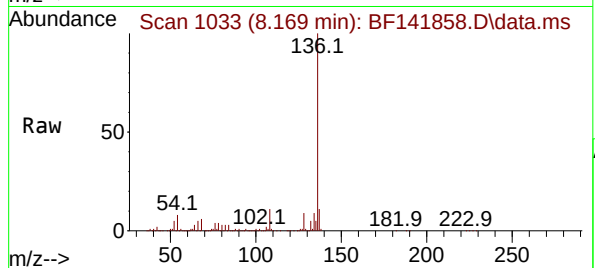
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.9 6.9 10.3

68 5.6 5.1 7.7



#22

Acetophenone

Concen: 40.243 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Tgt Ion:105 Resp: 764218

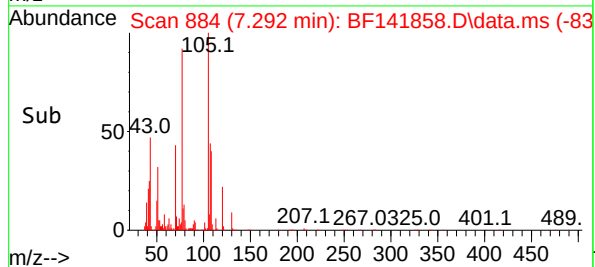
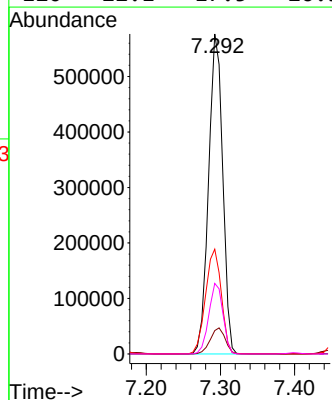
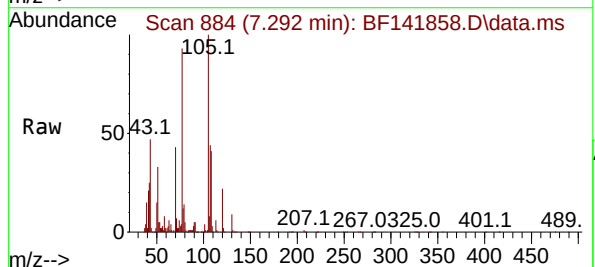
Ion Ratio Lower Upper

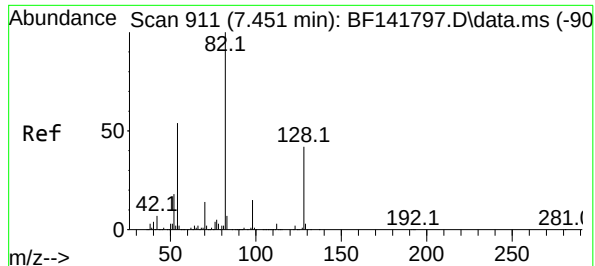
105 100

71 7.3 5.4 8.0

51 32.8 26.1 39.1

120 22.1 17.5 26.3





#23

Nitrobenzene-d5

Concen: 97.772 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

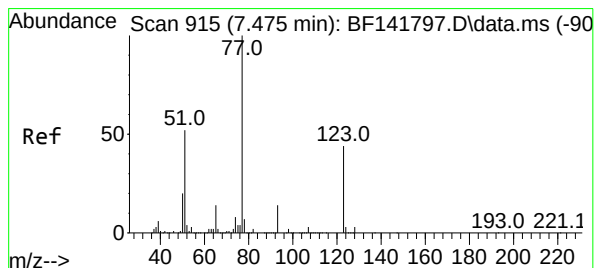
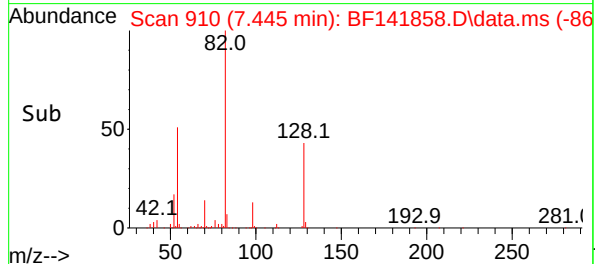
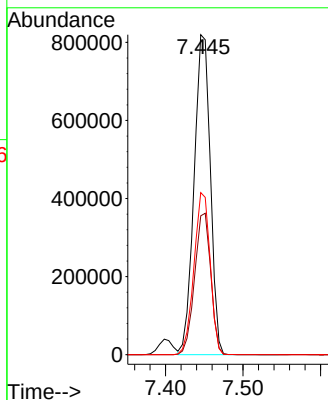
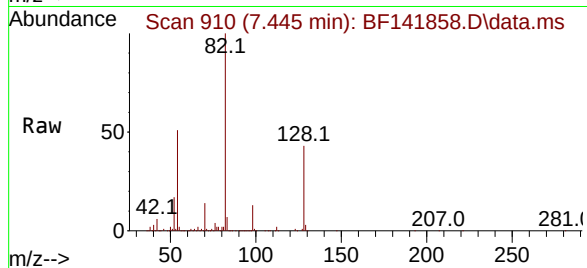
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1192671

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.5	50.3
54	50.7	42.7	64.1



#24

Nitrobenzene

Concen: 45.653 ng

RT: 7.469 min Scan# 914

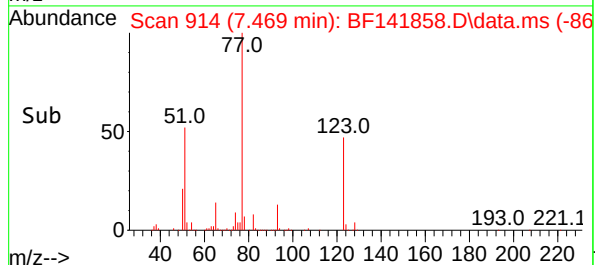
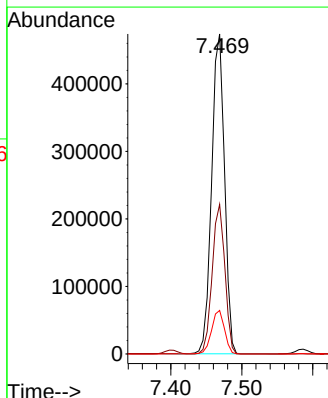
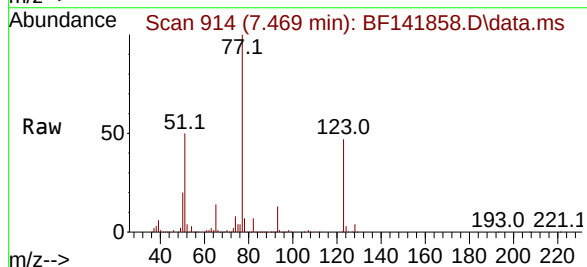
Delta R.T. -0.006 min

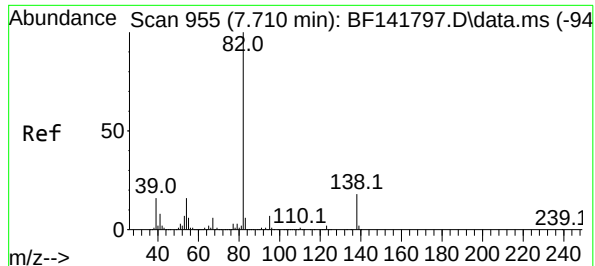
Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Tgt Ion: 77 Resp: 596360

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.8	53.8
65	13.6	11.2	16.8





#25

Isophorone

Concen: 37.814 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

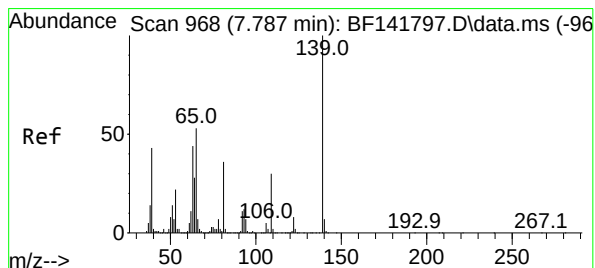
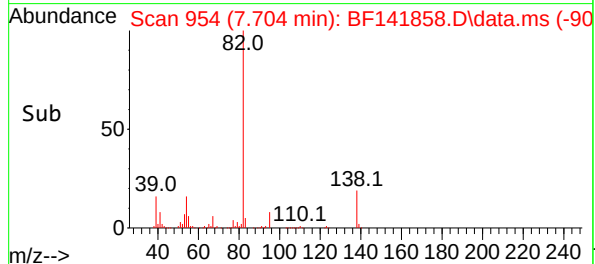
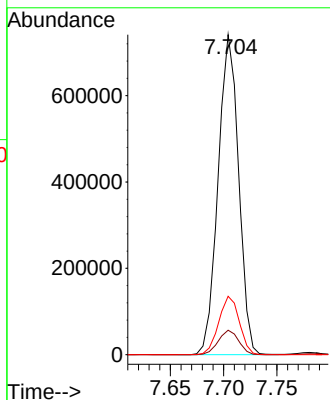
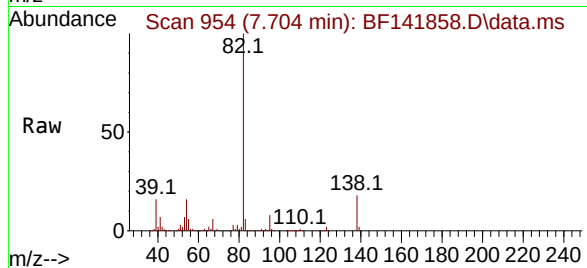
Tgt Ion: 82 Resp: 990974

Ion Ratio Lower Upper

82 100

95 7.6 5.8 8.8

138 18.3 14.0 21.0



#26

2-Nitrophenol

Concen: 49.968 ng

RT: 7.781 min Scan# 967

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

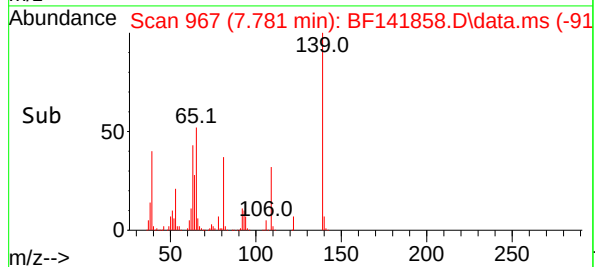
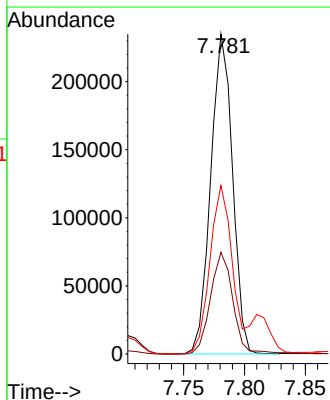
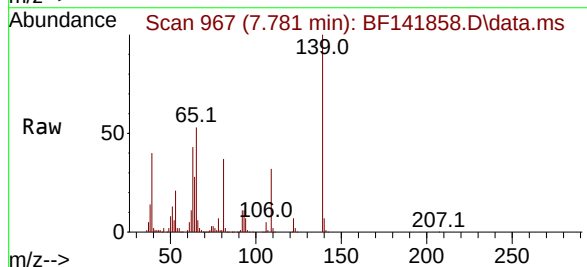
Tgt Ion:139 Resp: 292782

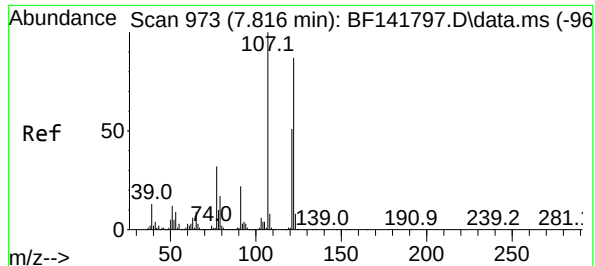
Ion Ratio Lower Upper

139 100

109 31.8 24.1 36.1

65 52.6 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 40.956 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

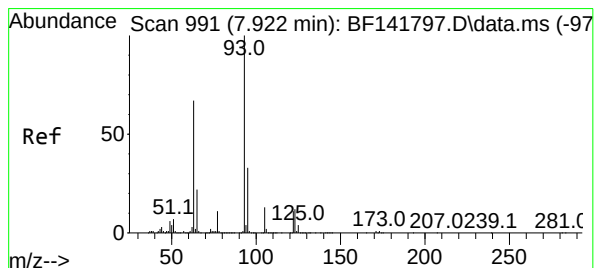
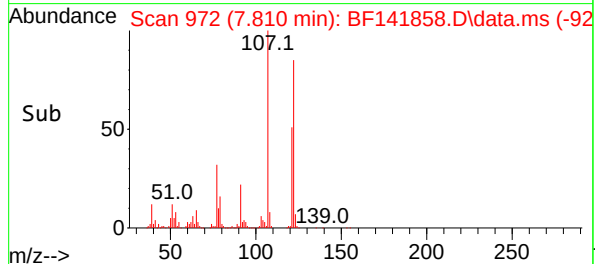
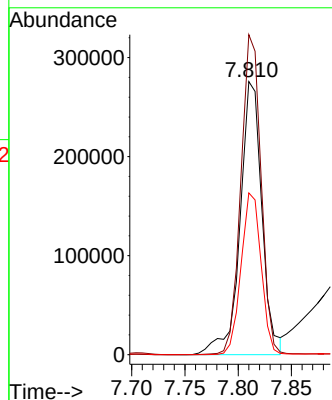
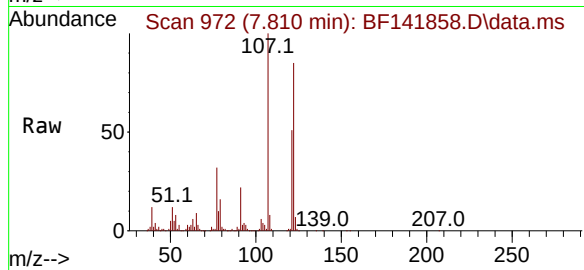
Tgt Ion:122 Resp: 394540

Ion Ratio Lower Upper

122 100

107 117.1 92.5 138.7

121 59.2 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 38.448 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

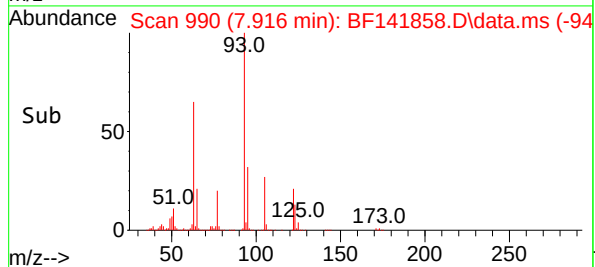
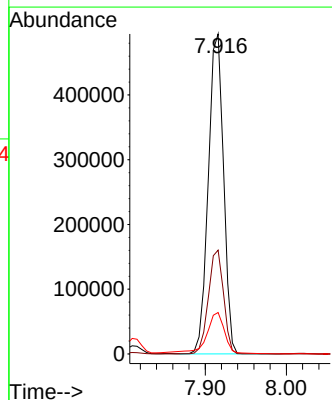
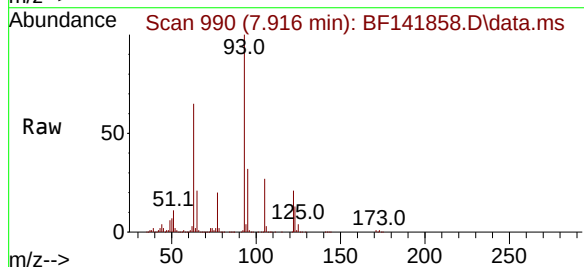
Tgt Ion: 93 Resp: 642746

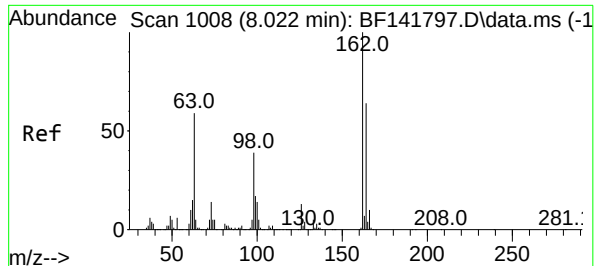
Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

123 13.0 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.802 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

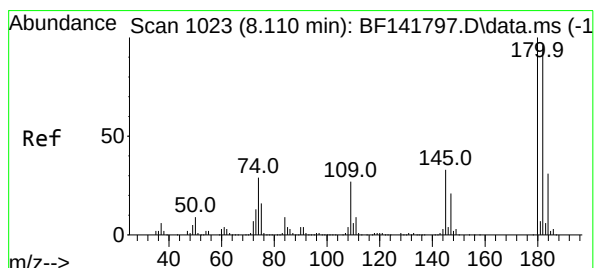
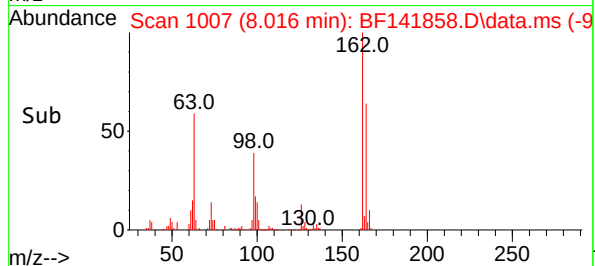
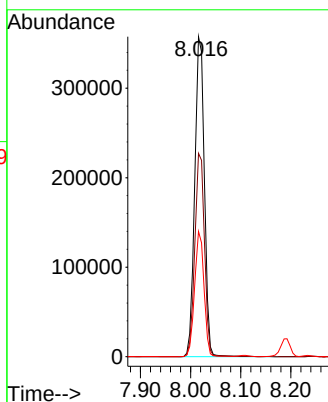
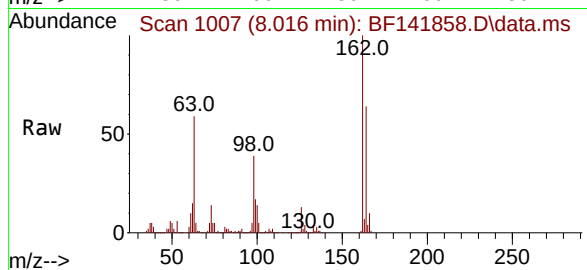
Tgt Ion:162 Resp: 475671

Ion Ratio Lower Upper

162 100

164 63.5 44.3 84.3

98 39.1 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 42.568 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

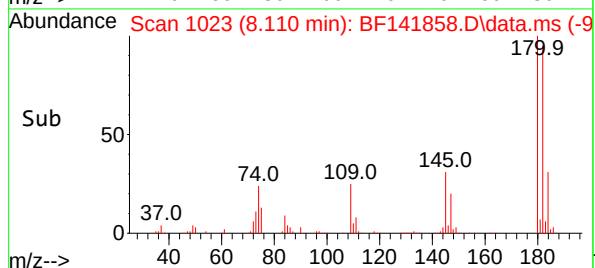
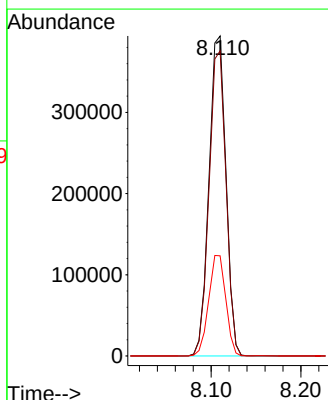
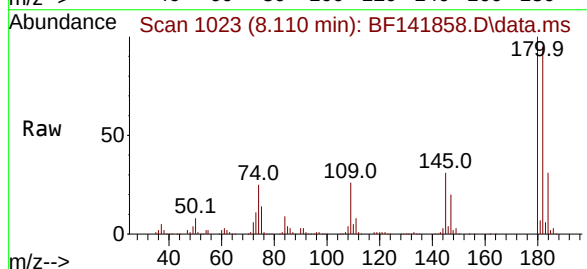
Tgt Ion:180 Resp: 518388

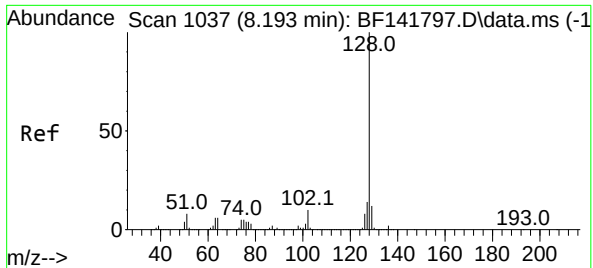
Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 31.3 26.4 39.6

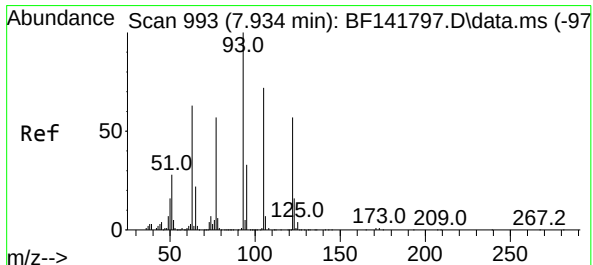
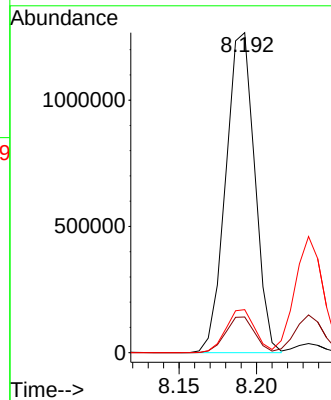
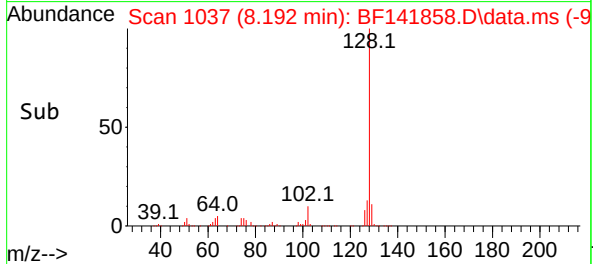
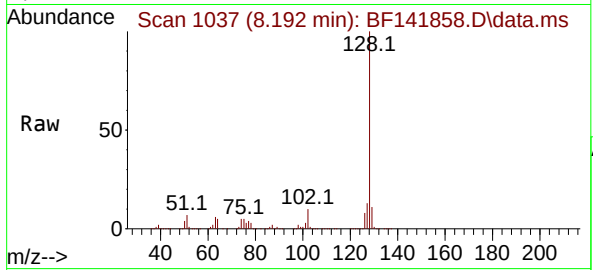




#31
Naphthalene
Concen: 41.026 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

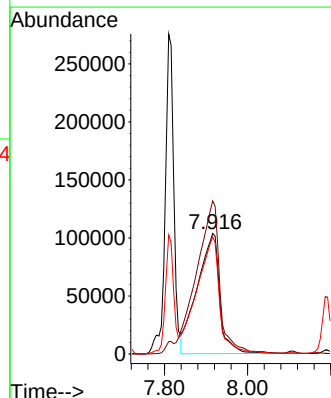
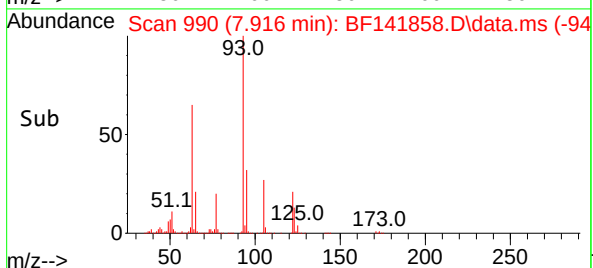
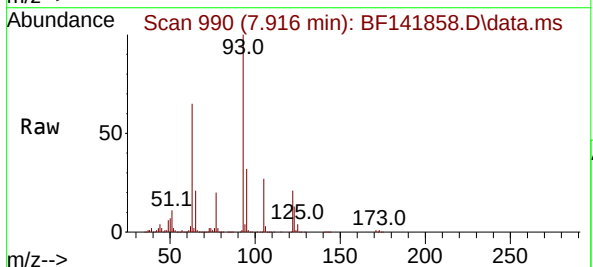
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

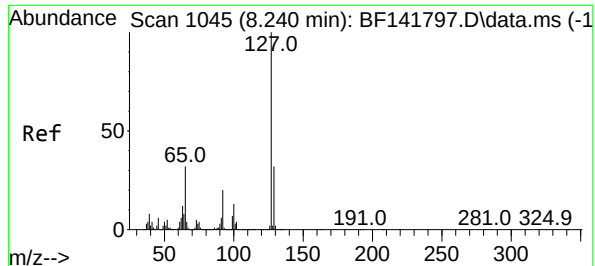
Tgt Ion:128 Resp: 1644085
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.4 11.0 16.4



#32
Benzoic acid
Concen: 48.428 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.018 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:122 Resp: 390032
Ion Ratio Lower Upper
122 100
105 127.1 105.8 145.8
77 97.3 79.9 119.9





#33

4-Chloroaniline

Concen: 39.713 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 583547

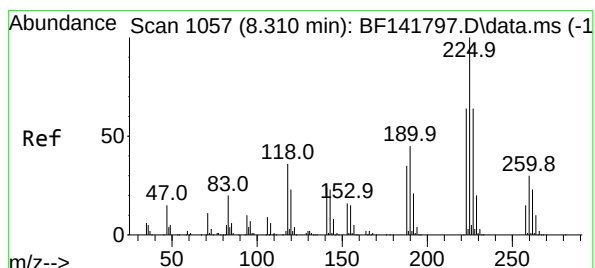
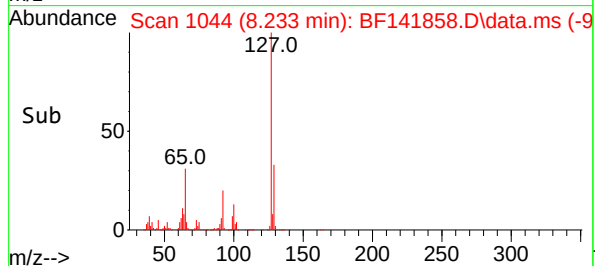
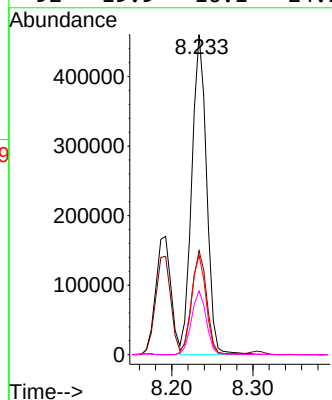
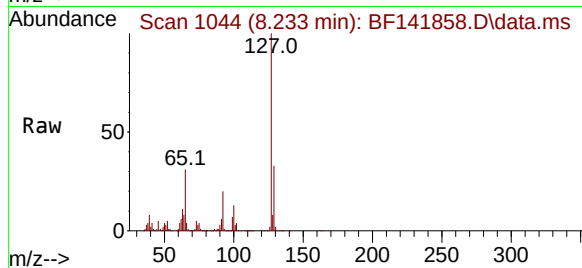
Ion Ratio Lower Upper

127 100

129 32.5 26.1 39.1

65 31.0 25.7 38.5

92 19.9 16.1 24.1



#34

Hexachlorobutadiene

Concen: 42.902 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

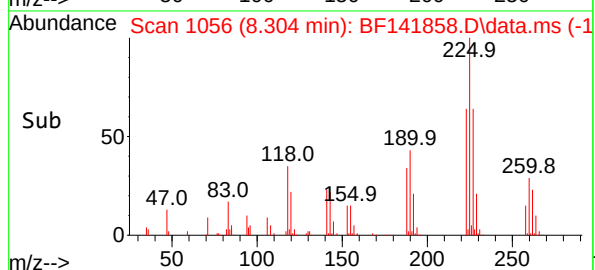
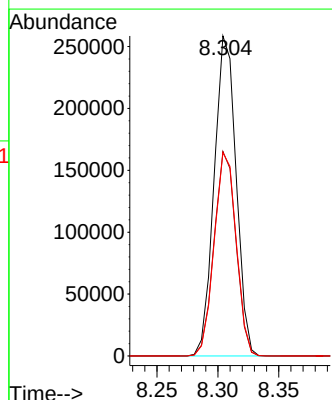
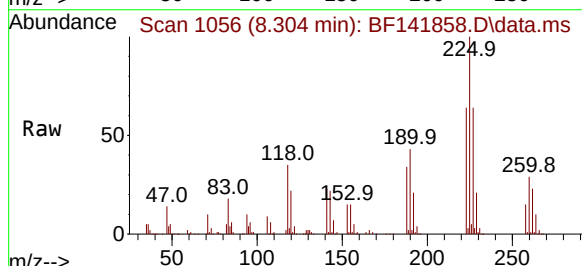
Tgt Ion:225 Resp: 324659

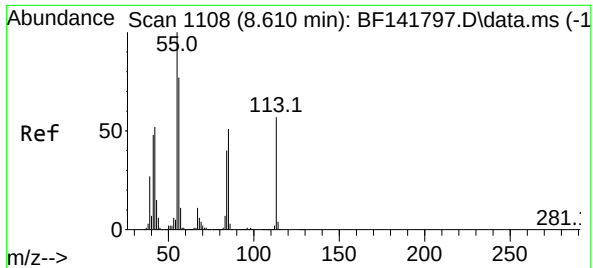
Ion Ratio Lower Upper

225 100

223 63.9 51.4 77.2

227 63.6 51.6 77.4

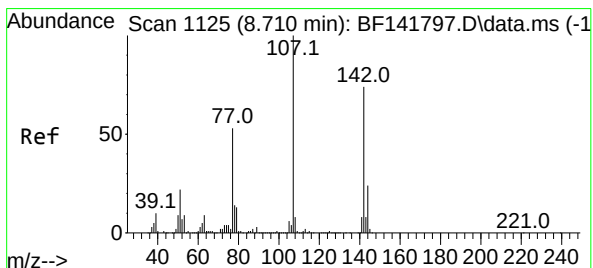
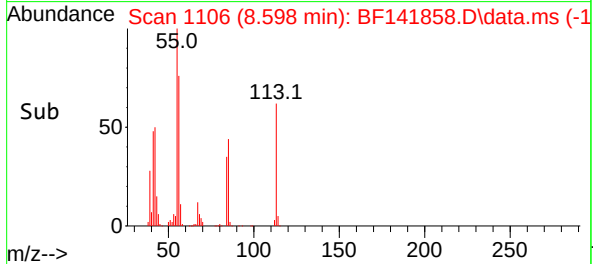
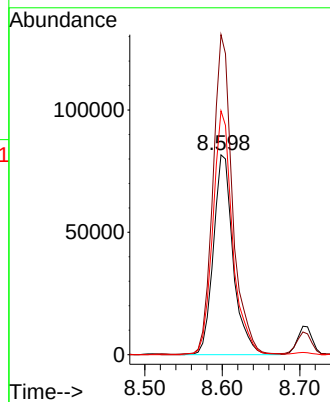
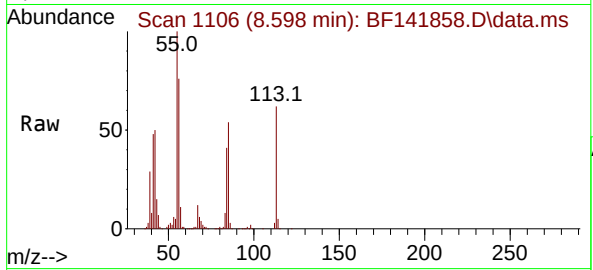




#35
Caprolactam
Concen: 42.235 ng
RT: 8.598 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

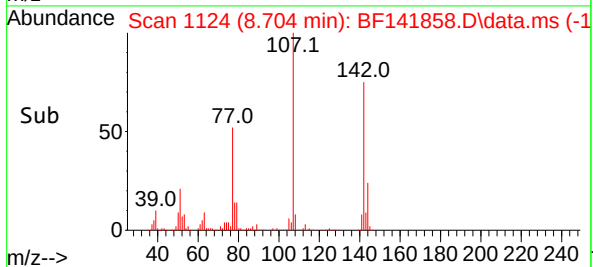
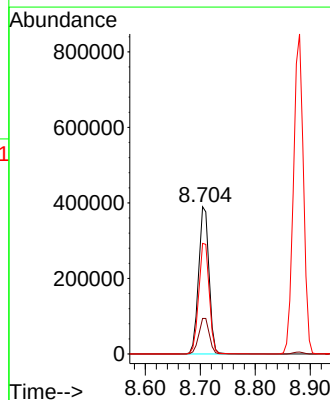
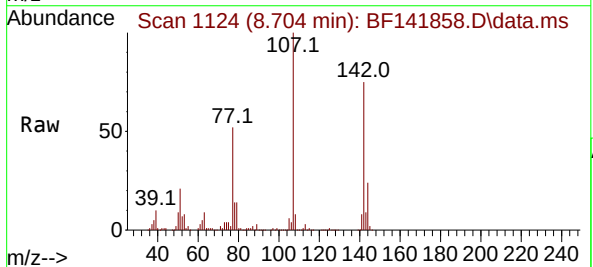
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

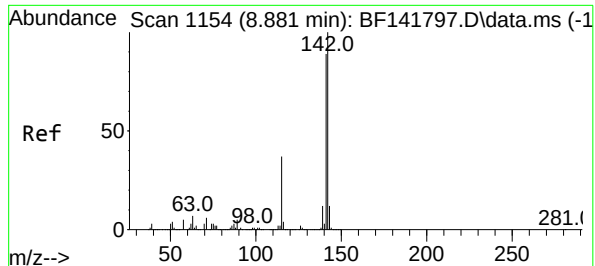
Tgt Ion:113 Resp: 144396
Ion Ratio Lower Upper
113 100
55 160.1 155.6 195.6
56 122.0 114.6 154.6



#36
4-Chloro-3-methylphenol
Concen: 41.661 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:107 Resp: 514325
Ion Ratio Lower Upper
107 100
144 24.1 19.4 29.0
142 75.1 59.4 89.0





#37

2-Methylnaphthalene

Concen: 40.571 ng

RT: 8.880 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

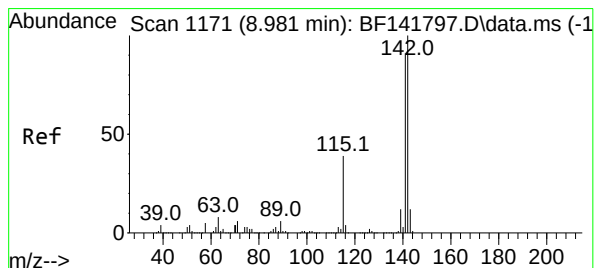
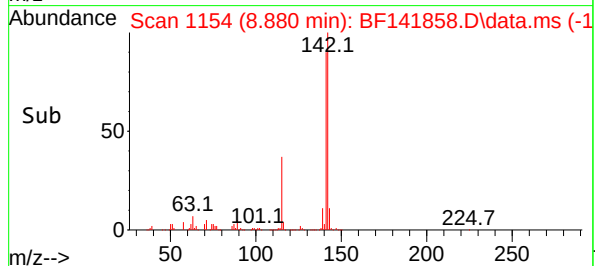
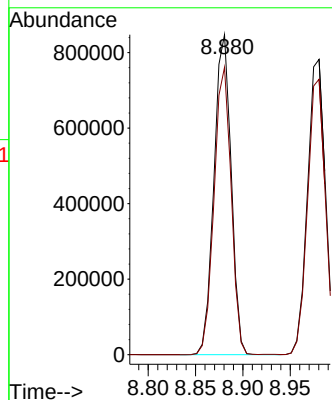
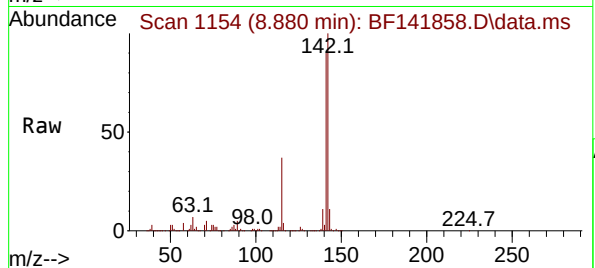
SSTDCCC040

Tgt Ion:142 Resp: 1066438

Ion Ratio Lower Upper

142 100

141 89.8 71.1 106.7



#38

1-Methylnaphthalene

Concen: 40.609 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141858.D

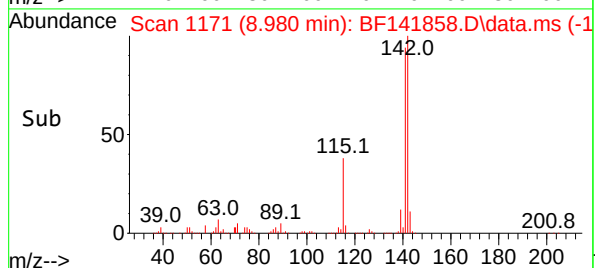
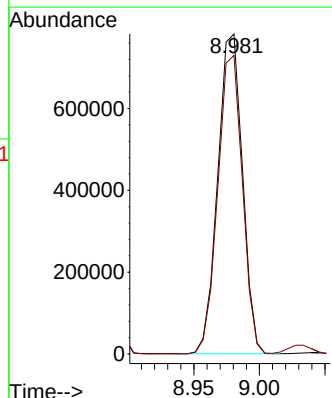
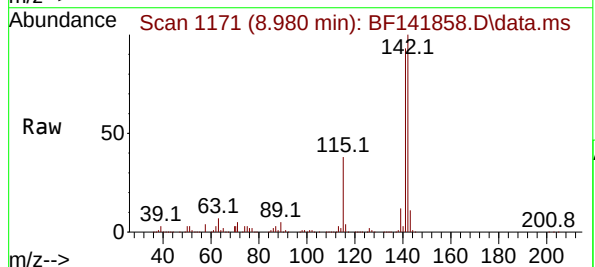
Acq: 06 Mar 2025 09:52

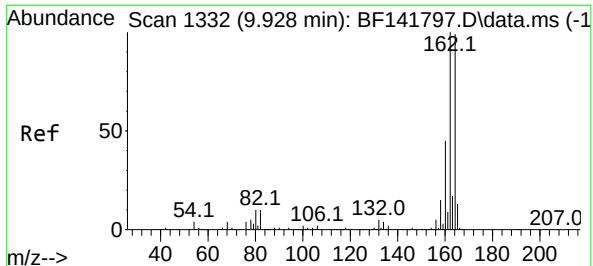
Tgt Ion:142 Resp: 1024218

Ion Ratio Lower Upper

142 100

141 93.3 73.1 109.7

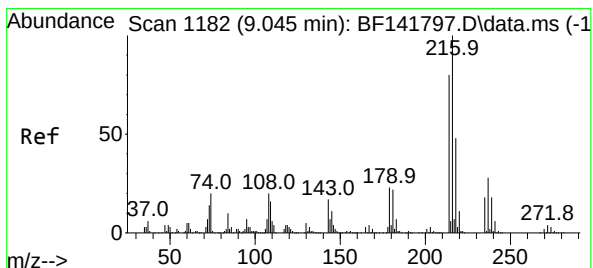
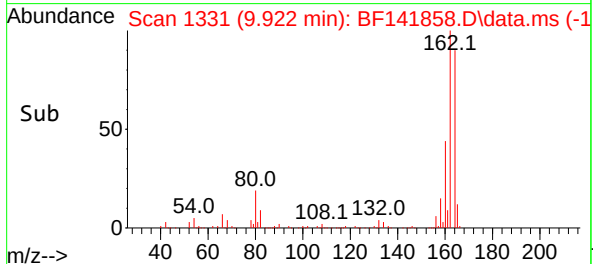
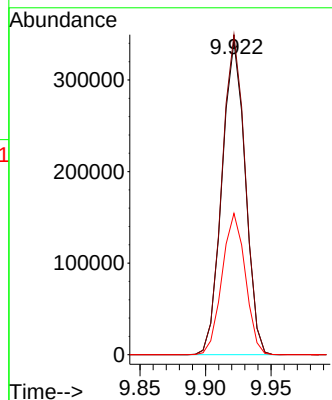
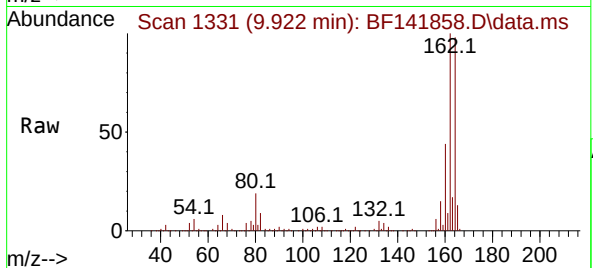




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

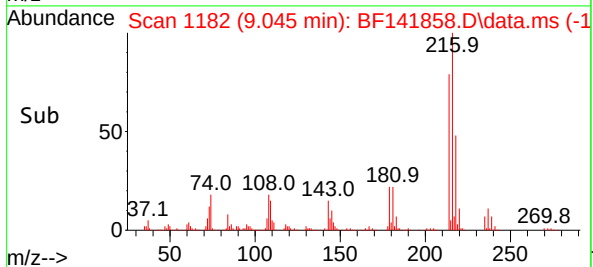
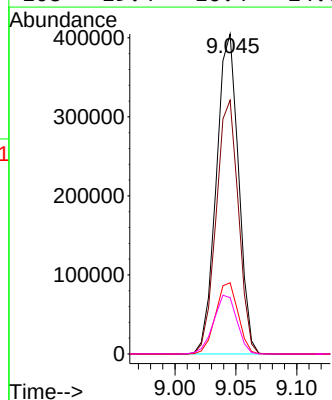
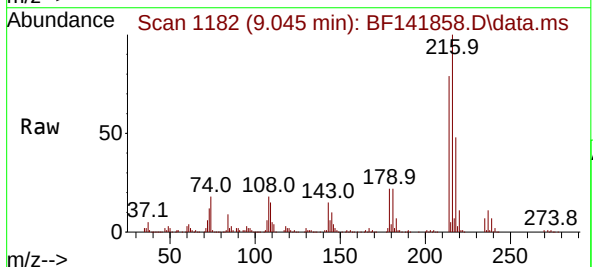
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

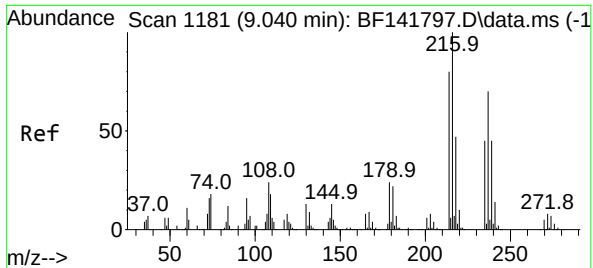
Tgt Ion:164 Resp: 422269
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 45.1 36.3 54.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.066 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:216 Resp: 513015
Ion Ratio Lower Upper
216 100
214 79.6 63.5 95.3
179 22.6 18.1 27.1
108 19.4 16.4 24.6

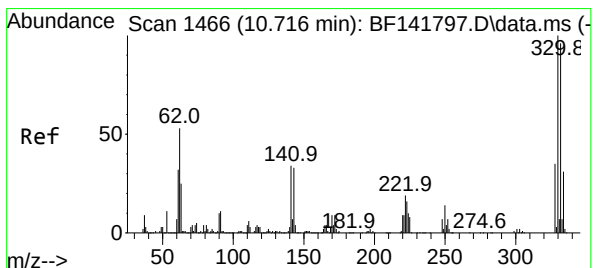
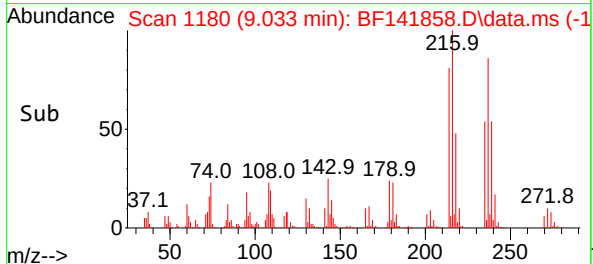
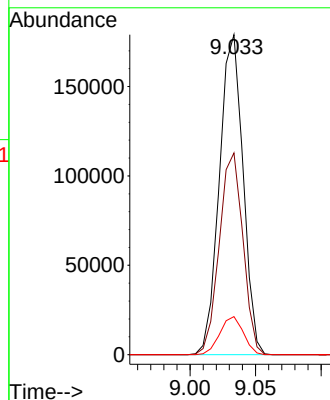
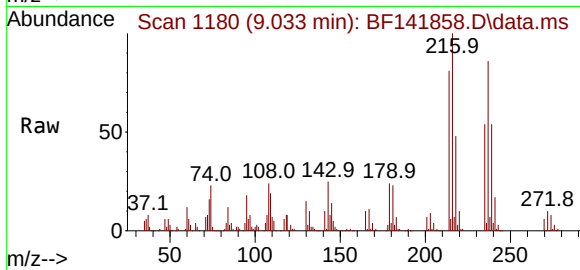




#41
Hexachlorocyclopentadiene
Concen: 44.067 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

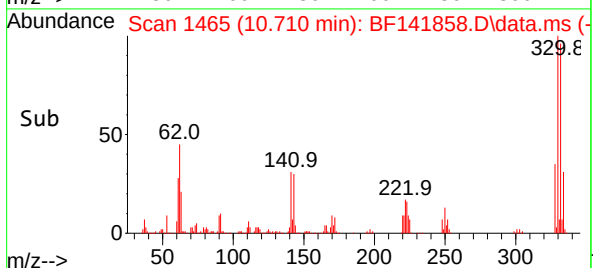
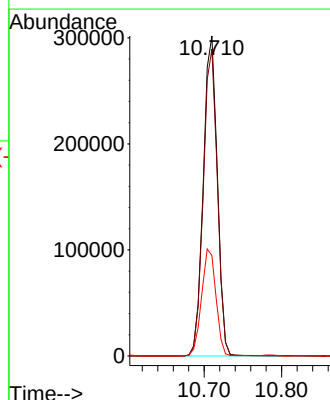
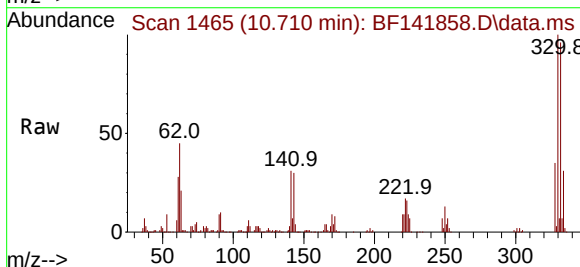
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

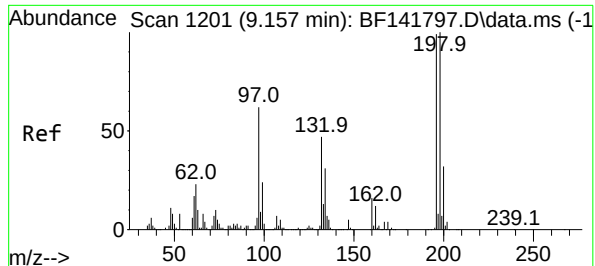
Tgt Ion:237 Resp: 224284
Ion Ratio Lower Upper
237 100
235 63.0 43.3 83.3
272 11.9 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 95.540 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:330 Resp: 378753
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 34.3 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 42.772 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

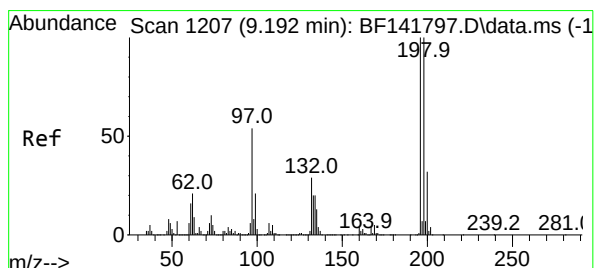
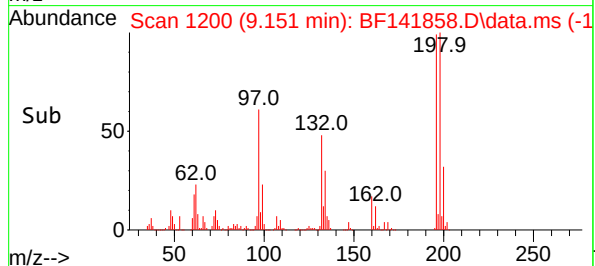
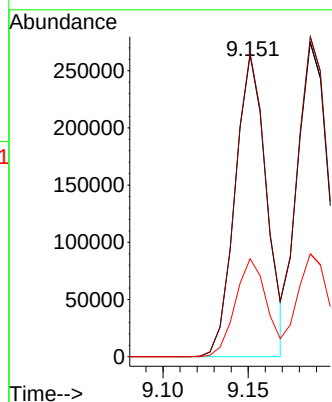
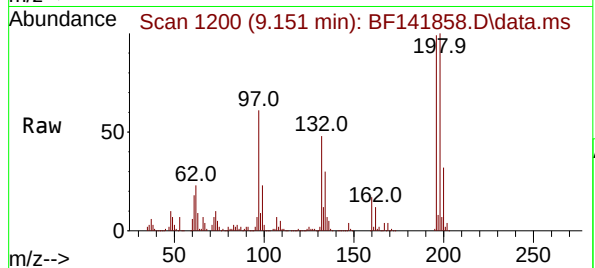
Tgt Ion:196 Resp: 336951

Ion Ratio Lower Upper

196 100

198 100.7 80.4 120.6

200 32.4 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 44.739 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Tgt Ion:196 Resp: 349000

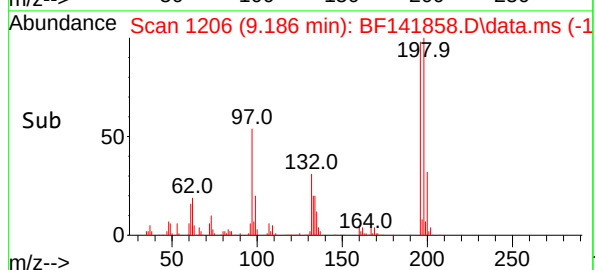
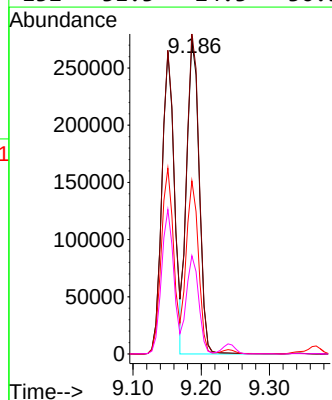
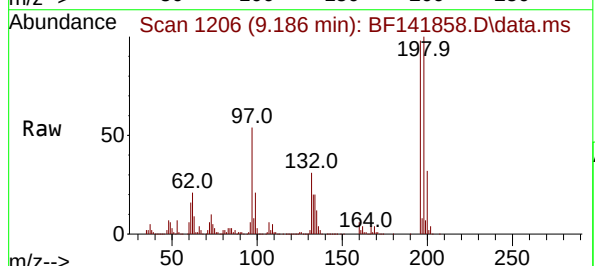
Ion Ratio Lower Upper

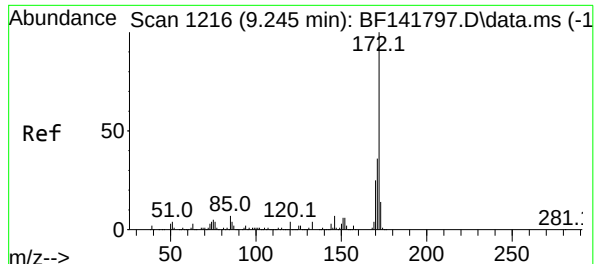
196 100

198 101.9 79.7 119.5

97 55.1 44.2 66.2

132 31.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 82.849 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

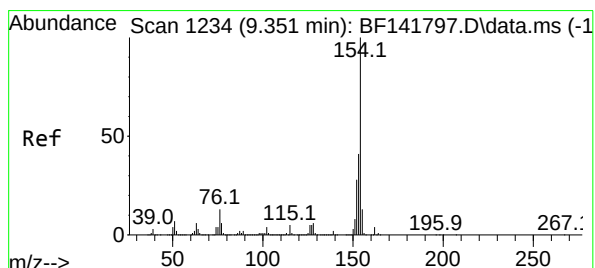
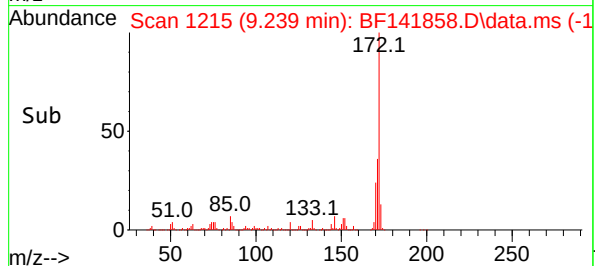
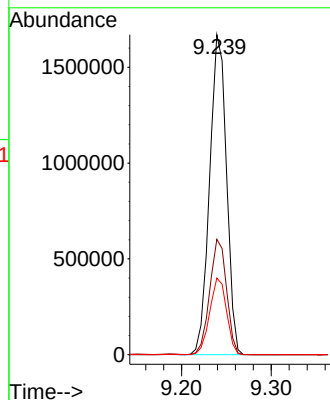
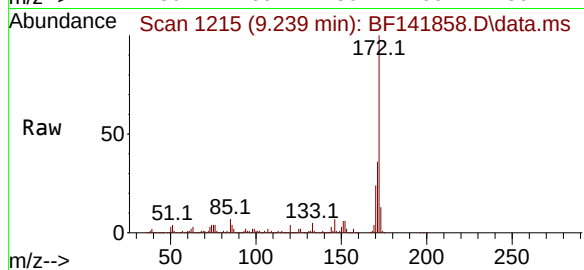
Tgt Ion:172 Resp: 2181831

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 24.0 19.7 29.5



#46

1,1'-Biphenyl

Concen: 40.994 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

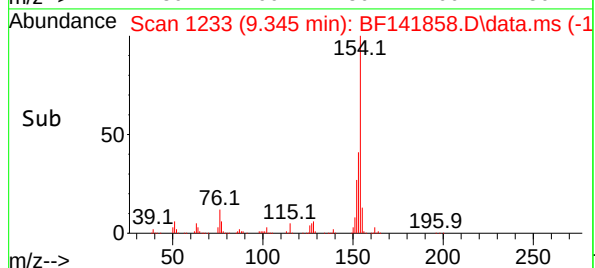
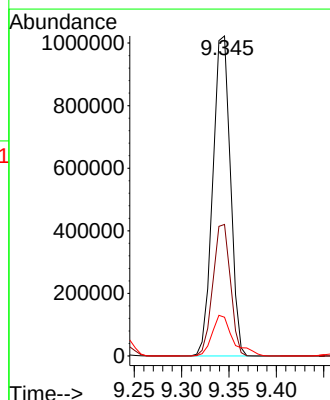
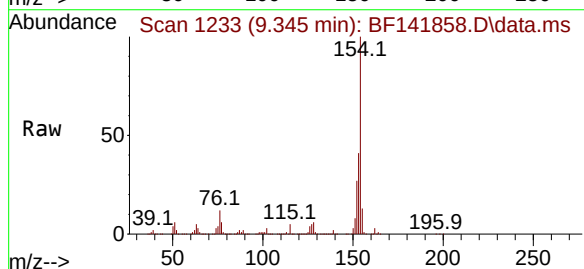
Tgt Ion:154 Resp: 1317612

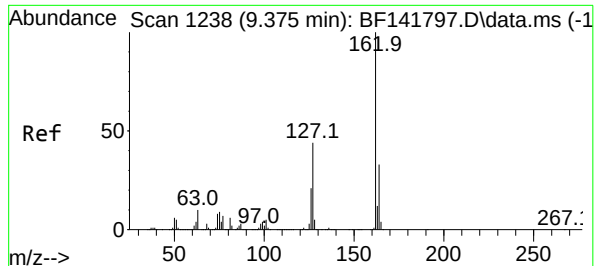
Ion Ratio Lower Upper

154 100

153 41.1 21.4 61.4

76 12.1 0.0 33.4





#47

2-Chloronaphthalene

Concen: 41.199 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

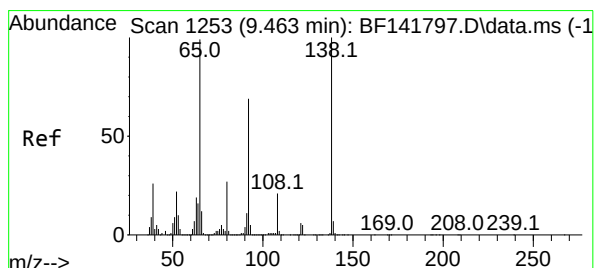
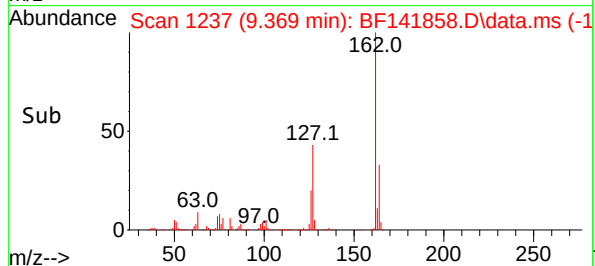
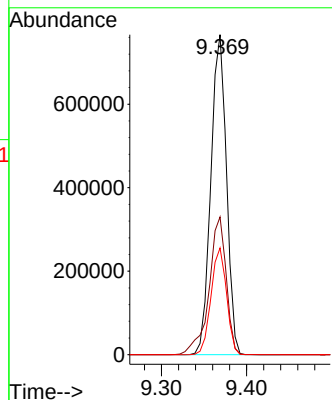
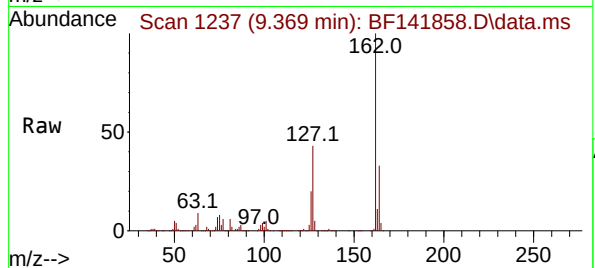
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 977366

Ion	Ratio	Lower	Upper
162	100		
127	43.1	35.0	52.6
164	33.4	26.6	40.0



#48

2-Nitroaniline

Concen: 46.508 ng

RT: 9.457 min Scan# 1252

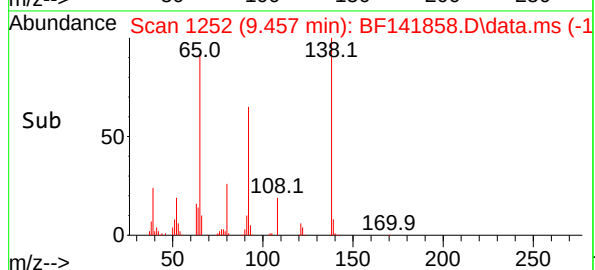
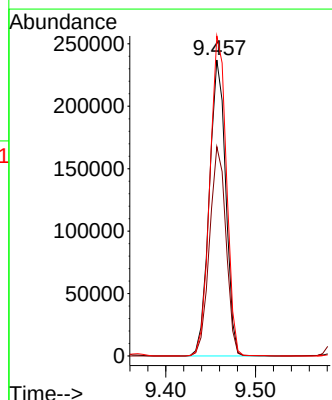
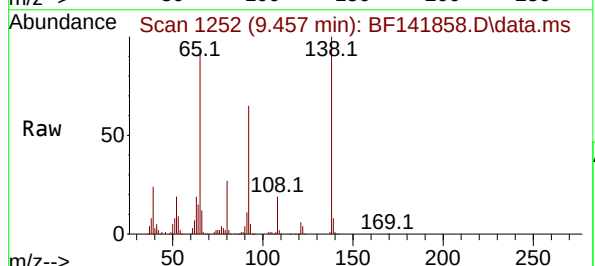
Delta R.T. -0.006 min

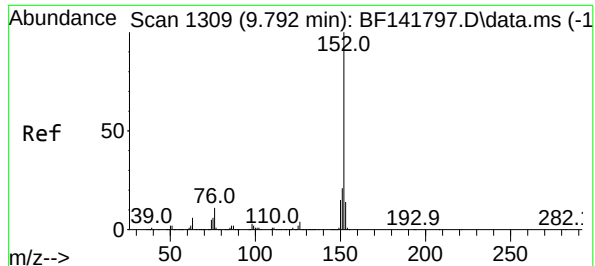
Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Tgt Ion: 65 Resp: 301038

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.7	83.5
138	108.1	80.6	121.0





#49

Acenaphthylene

Concen: 41.204 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

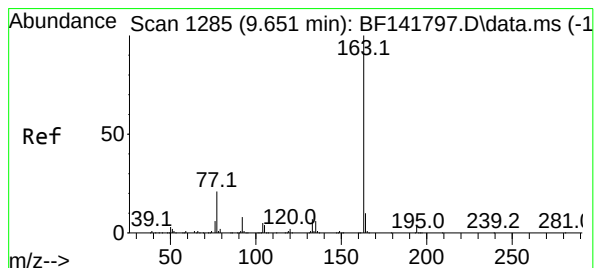
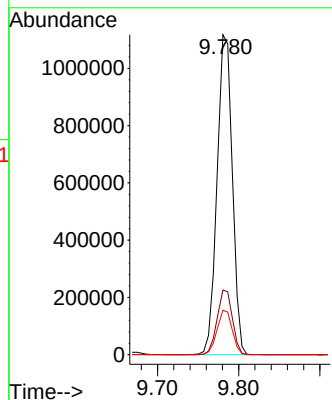
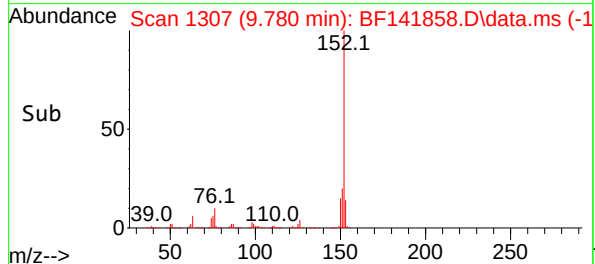
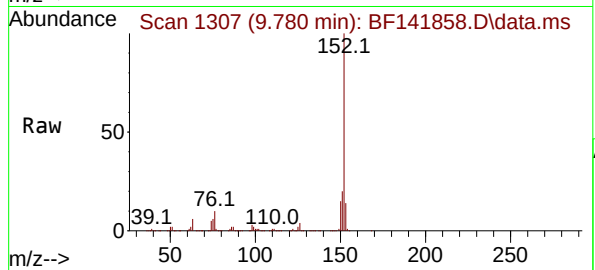
Tgt Ion:152 Resp: 1465550

Ion Ratio Lower Upper

152 100

151 20.2 16.6 24.8

153 13.9 11.2 16.8



#50

Dimethylphthalate

Concen: 40.693 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

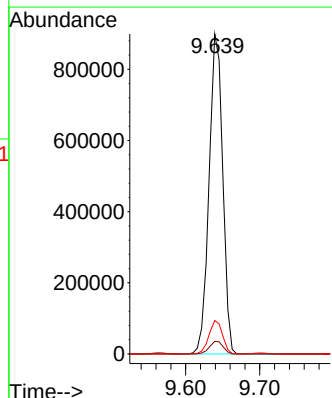
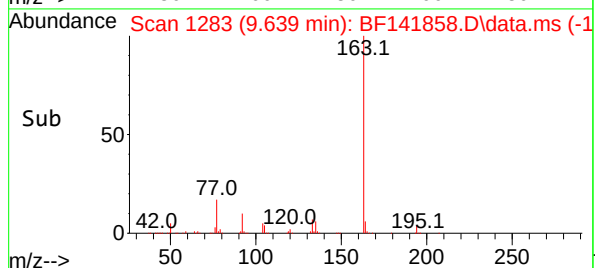
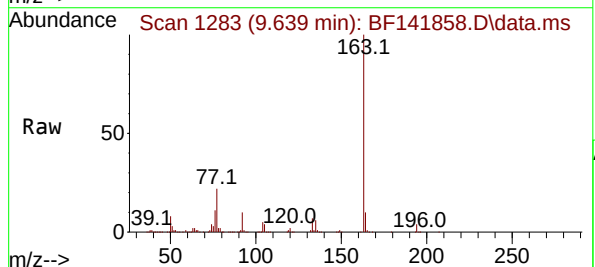
Tgt Ion:163 Resp: 1150740

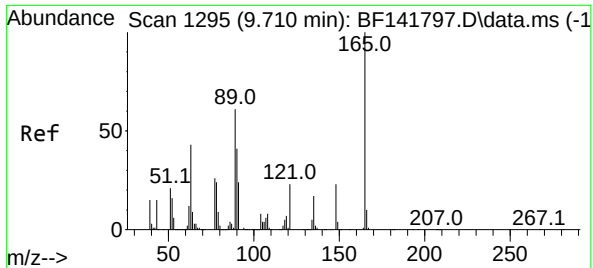
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.5 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 46.842 ng

RT: 9.698 min Scan# 1295

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

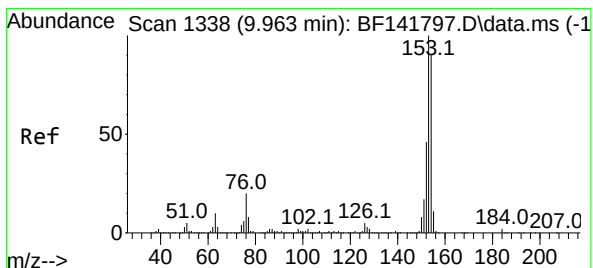
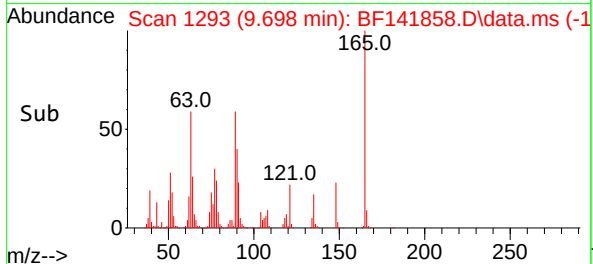
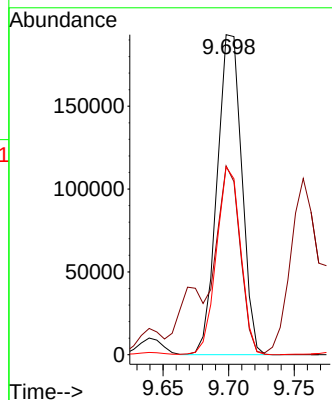
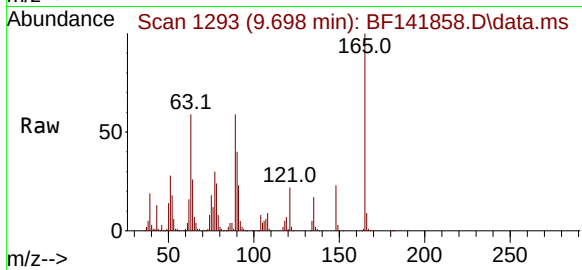
Tgt Ion:165 Resp: 253007

Ion Ratio Lower Upper

165 100

63 59.0 49.5 74.3

89 58.7 49.0 73.4



#52

Acenaphthene

Concen: 42.527 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

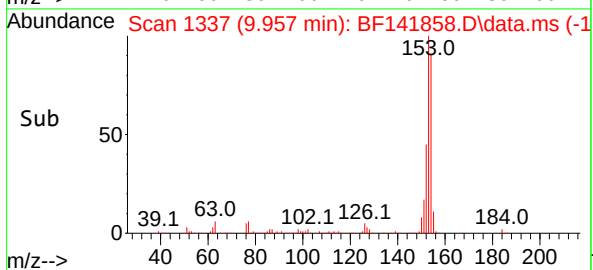
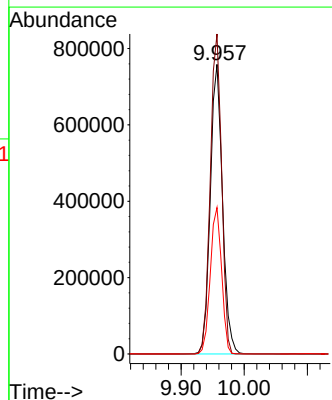
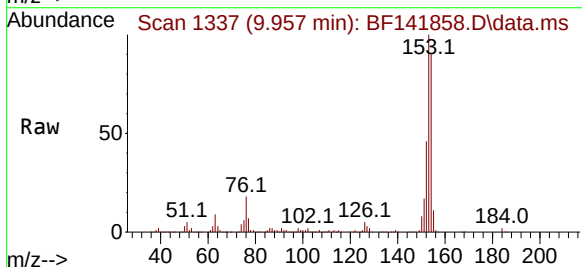
Tgt Ion:154 Resp: 1020635

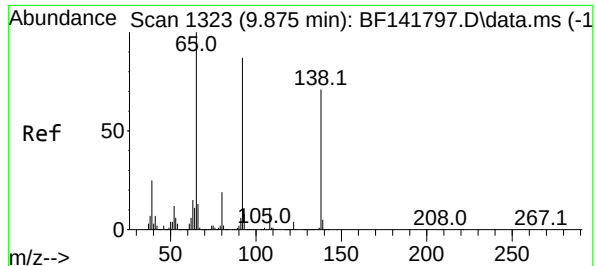
Ion Ratio Lower Upper

154 100

153 110.5 88.7 133.1

152 50.5 40.9 61.3





#53

3-Nitroaniline

Concen: 46.137 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

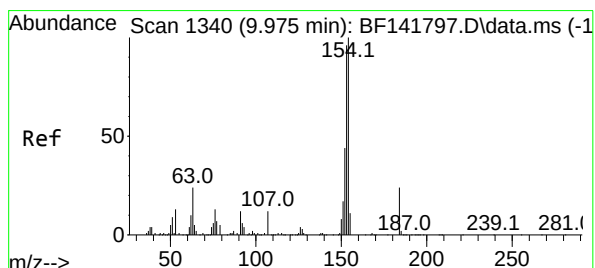
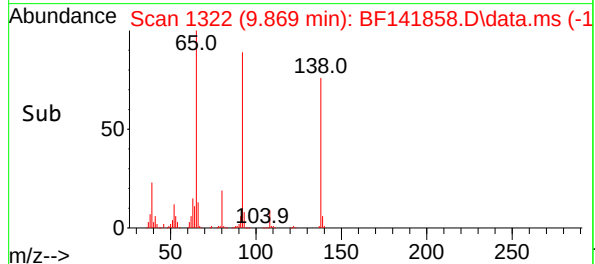
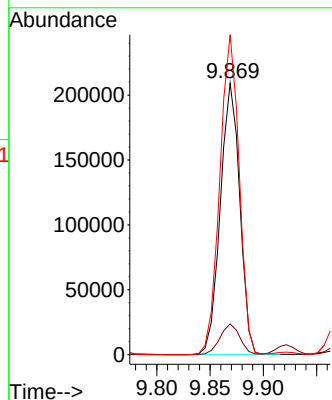
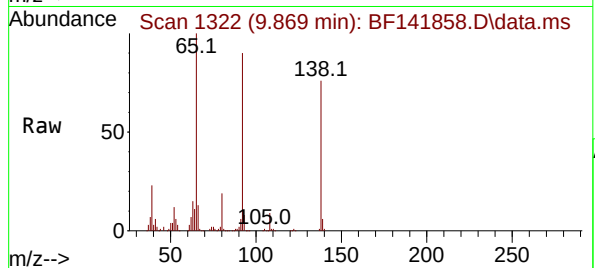
Tgt Ion:138 Resp: 265149

Ion Ratio Lower Upper

138 100

108 11.3 12.7 19.1#

92 117.8 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 59.722 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

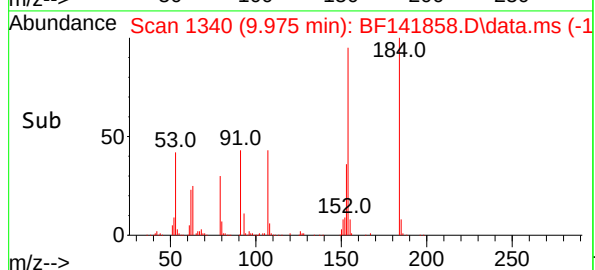
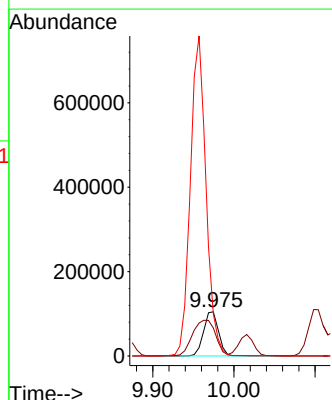
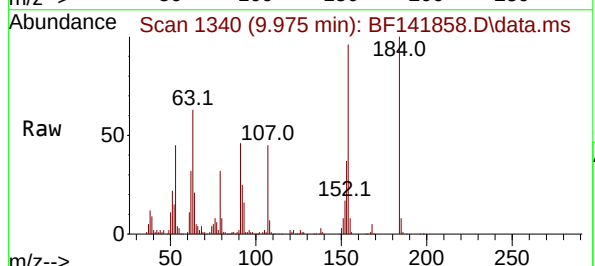
Tgt Ion:184 Resp: 134035

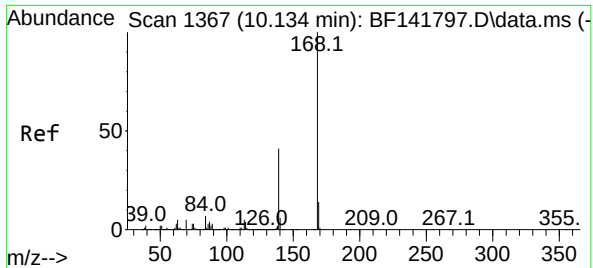
Ion Ratio Lower Upper

184 100

63 63.5 79.0 118.6#

154 95.7 335.8 503.8#

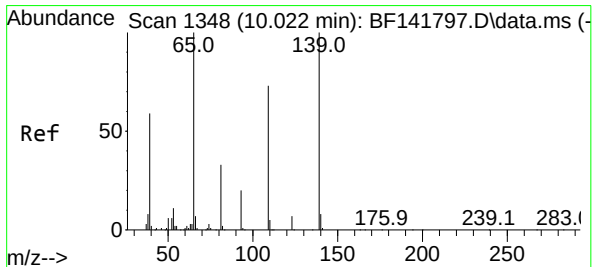
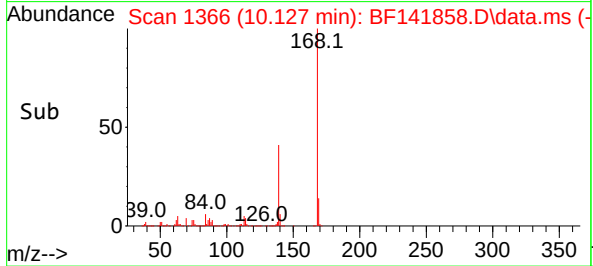
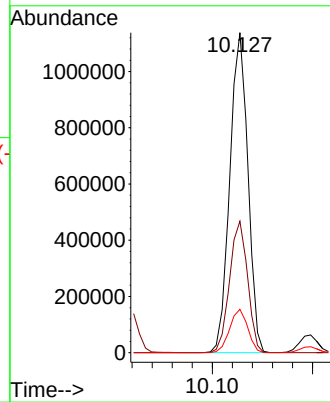
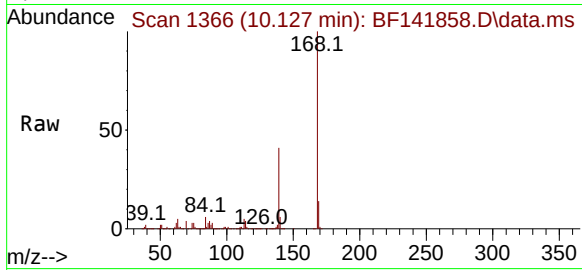




#55
Dibenzenofuran
Concen: 40.671 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

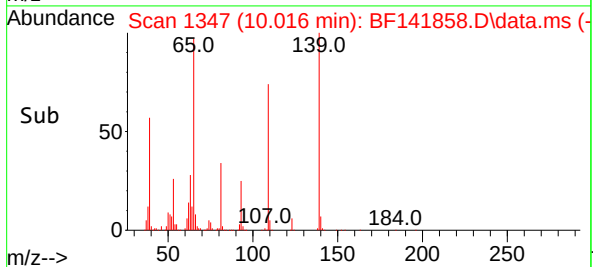
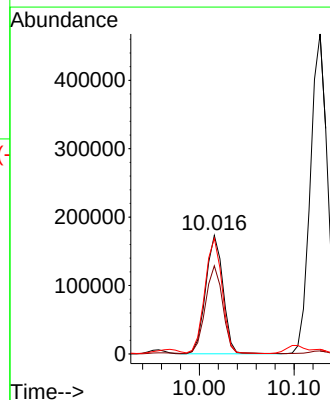
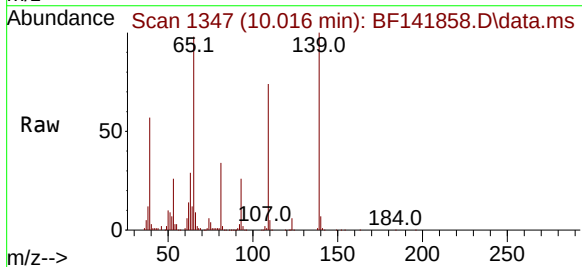
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

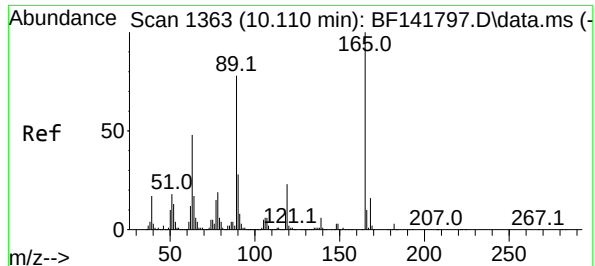
Tgt Ion:168 Resp: 1420674
Ion Ratio Lower Upper
168 100
139 41.1 32.9 49.3
169 13.5 11.1 16.7



#56
4-Nitrophenol
Concen: 52.954 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:139 Resp: 221169
Ion Ratio Lower Upper
139 100
109 74.4 53.4 93.4
65 97.6 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 50.419 ng

RT: 10.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 334417

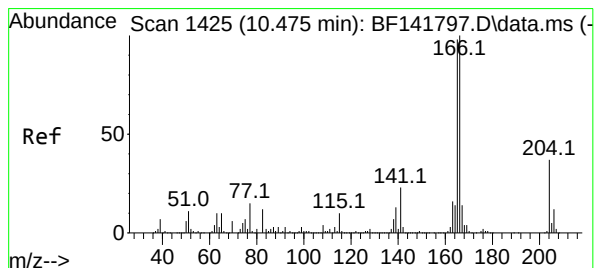
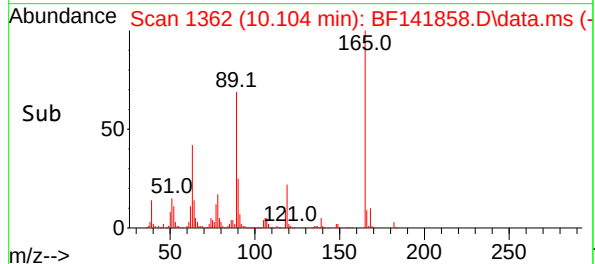
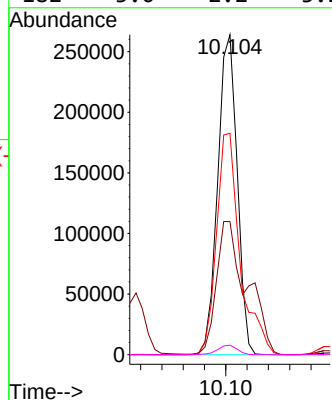
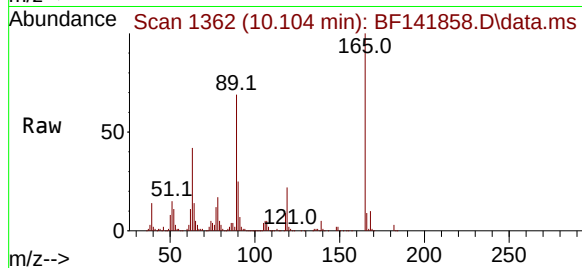
Ion Ratio Lower Upper

165 100

63 41.6 38.8 58.2

89 69.2 62.6 94.0

182 3.0 2.2 3.2



#58

Fluorene

Concen: 41.003 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

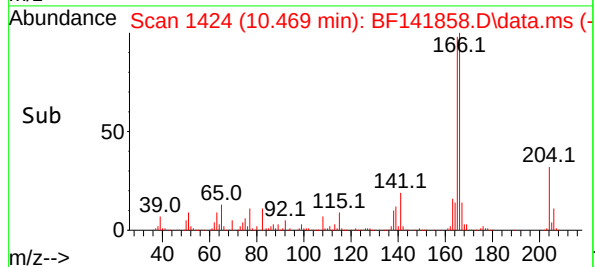
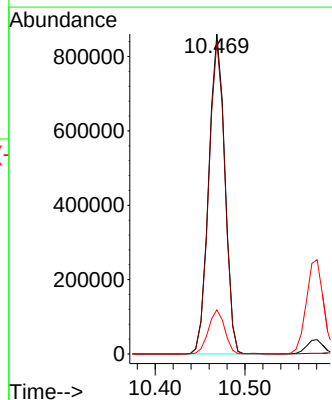
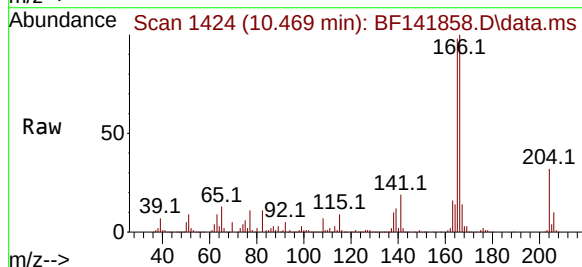
Tgt Ion:166 Resp: 1072855

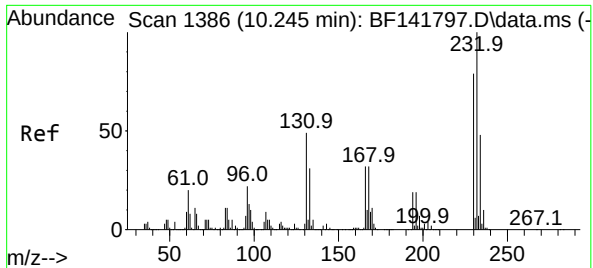
Ion Ratio Lower Upper

166 100

165 97.7 78.6 117.8

167 13.8 11.0 16.4

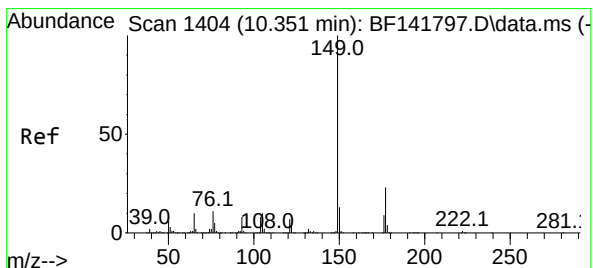
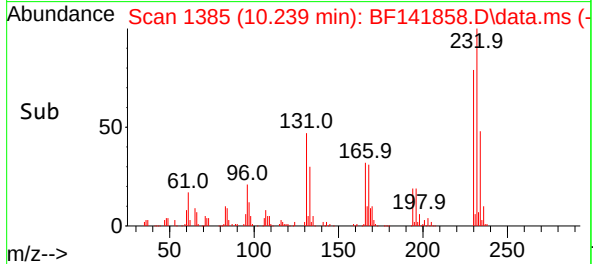
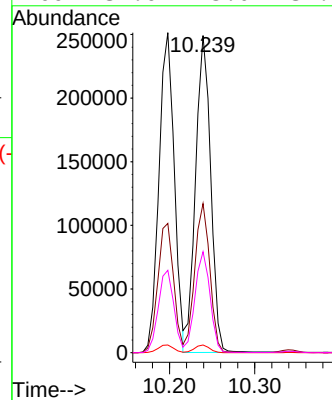
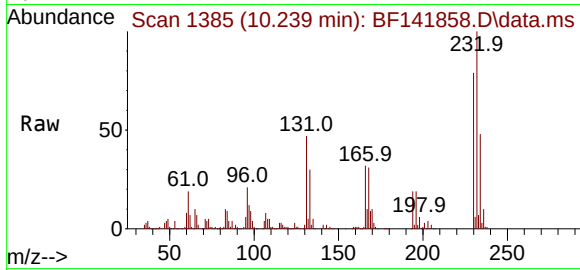




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.123 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

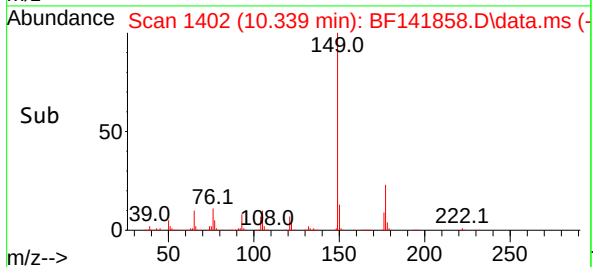
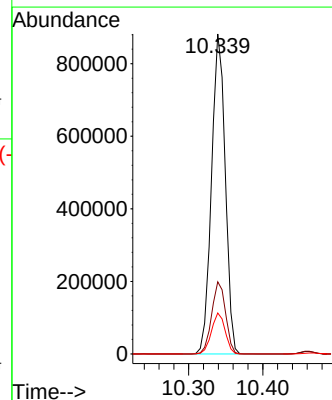
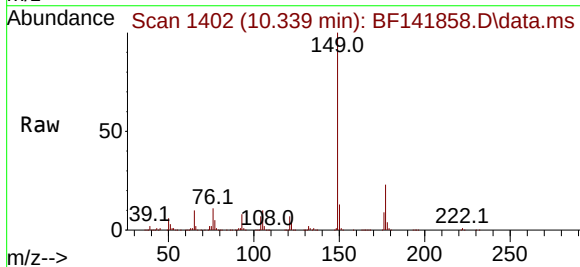
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

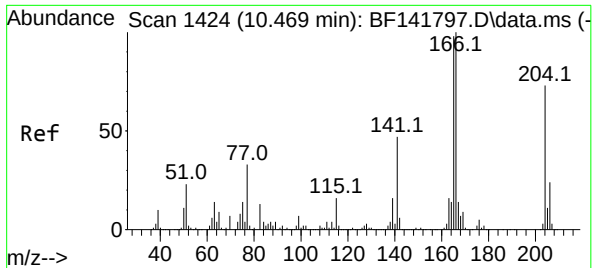
Tgt Ion:232 Resp: 306137
Ion Ratio Lower Upper
232 100
131 47.1 37.8 56.8
130 2.4 2.0 3.0
166 31.6 25.0 37.4



#60
Diethylphthalate
Concen: 40.052 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 1135424
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 12.8 10.3 15.5

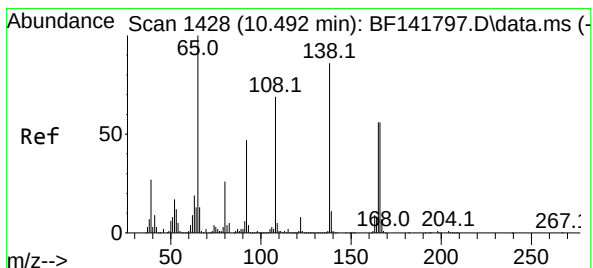
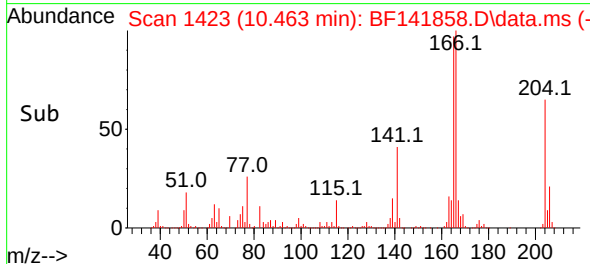
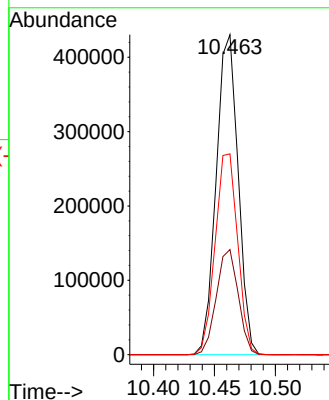
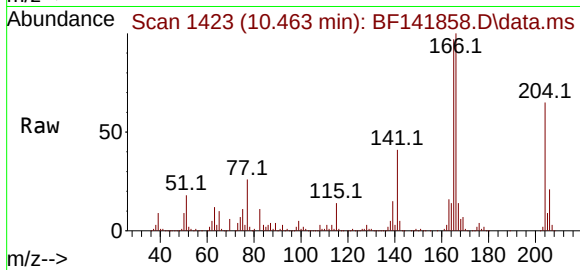




#61
4-Chlorophenyl-phenylether
Concen: 41.246 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

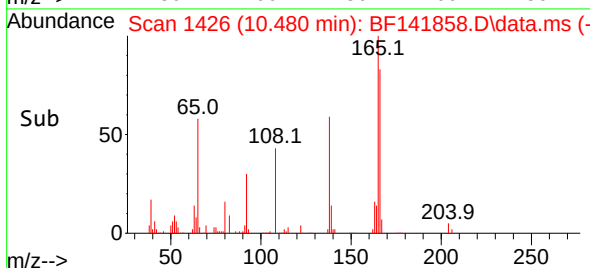
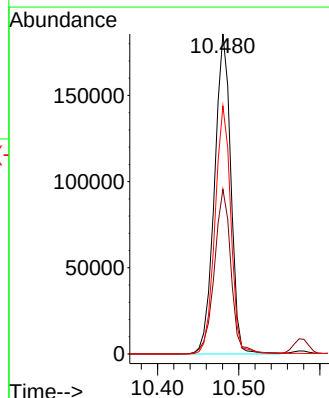
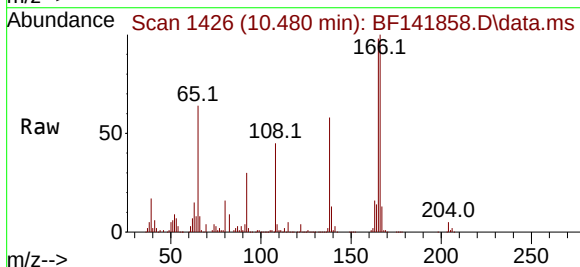
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

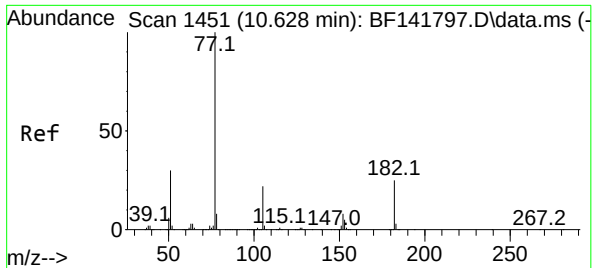
Tgt Ion:204 Resp: 540721
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 62.8 51.7 77.5



#62
4-Nitroaniline
Concen: 53.688 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:138 Resp: 259275
Ion Ratio Lower Upper
138 100
92 51.4 34.9 74.9
108 77.5 59.6 99.6

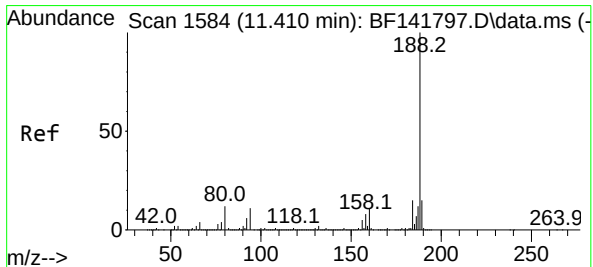
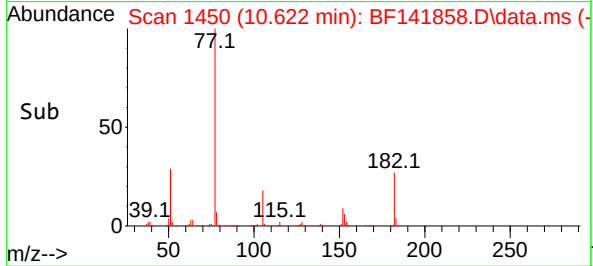
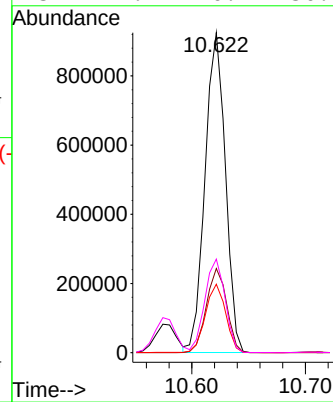
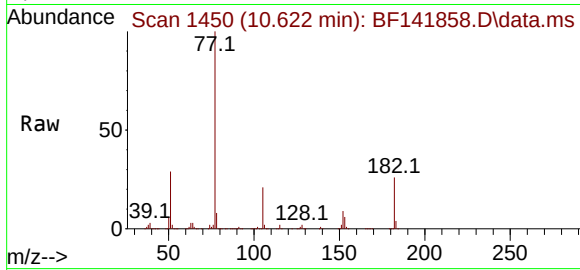




#63
Azobenzene
Concen: 38.422 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

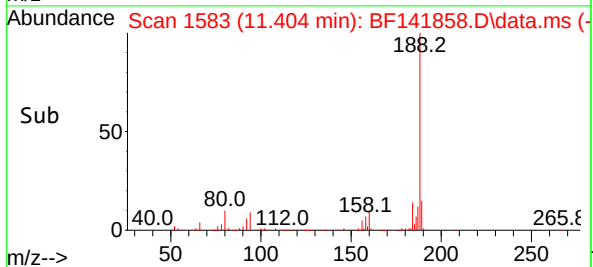
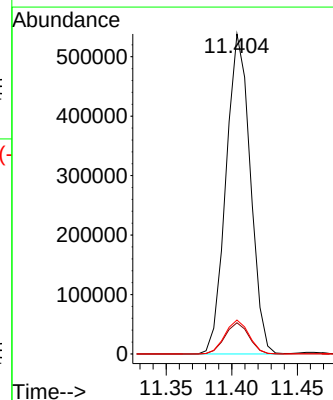
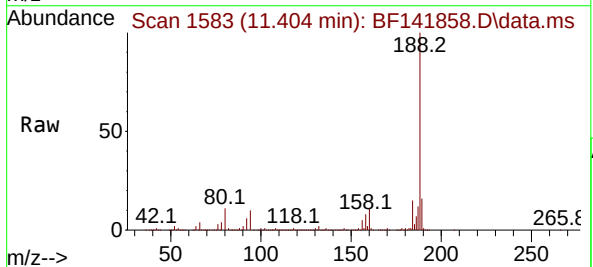
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

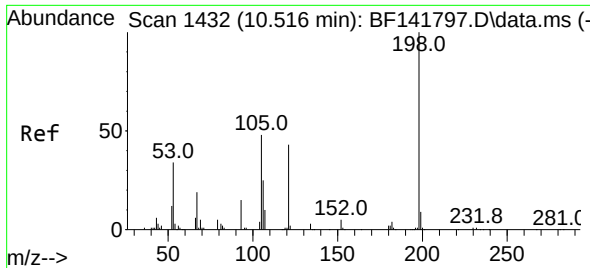
Tgt Ion: 77 Resp: 1146863
Ion Ratio Lower Upper
77 100
182 26.3 4.2 44.2
105 21.4 1.5 41.5
51 29.2 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion: 188 Resp: 691934
Ion Ratio Lower Upper
188 100
94 9.8 8.9 13.3
80 10.6 9.7 14.5

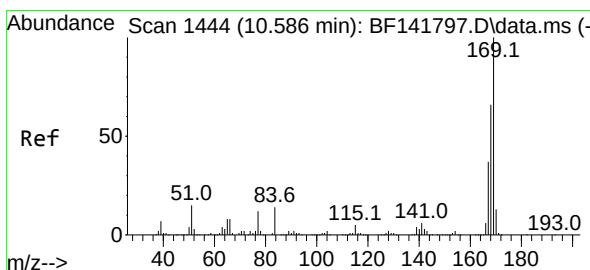
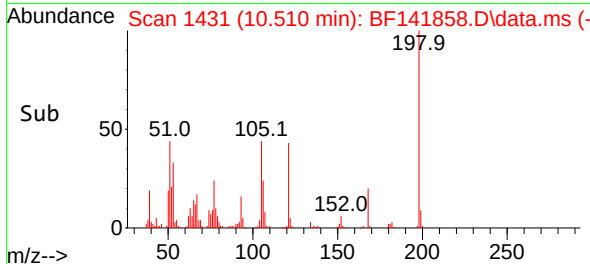
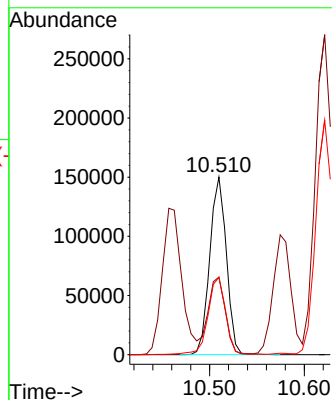
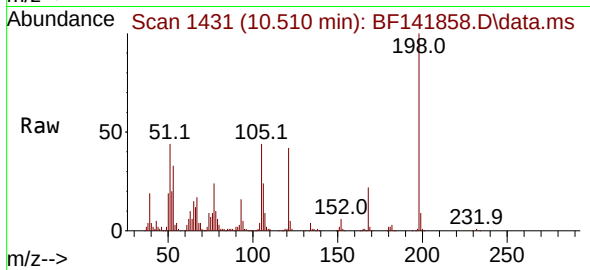




#65
4,6-Dinitro-2-methylphenol
Concen: 54.694 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

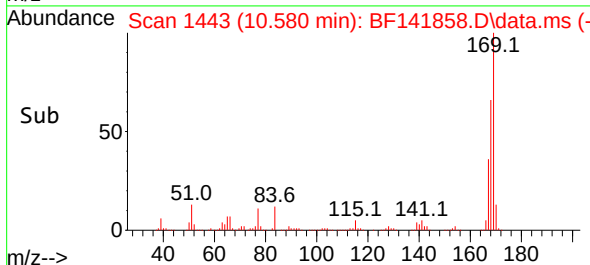
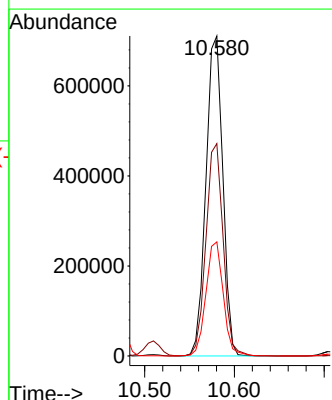
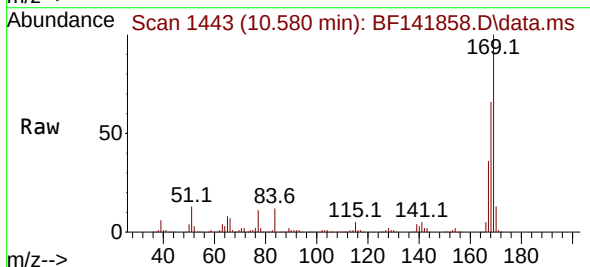
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

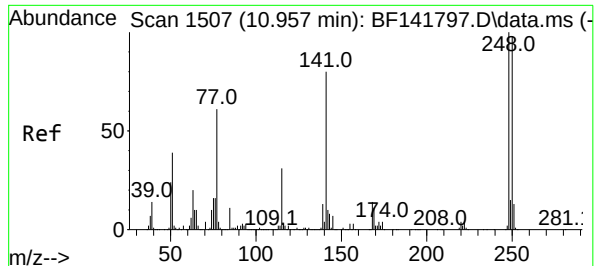
Tgt Ion:198 Resp: 182658
Ion Ratio Lower Upper
198 100
51 43.7 32.1 72.1
105 43.6 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 40.832 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:169 Resp: 927726
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 35.7 29.3 43.9

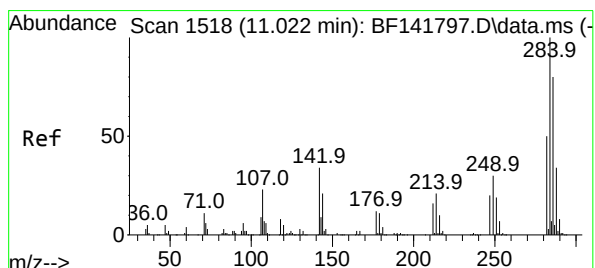
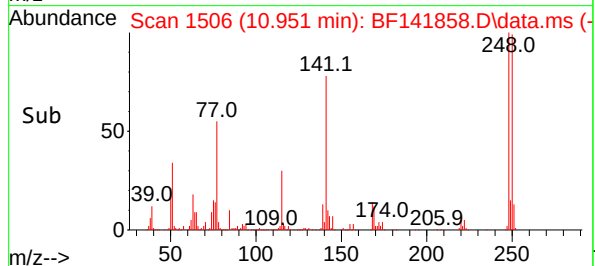
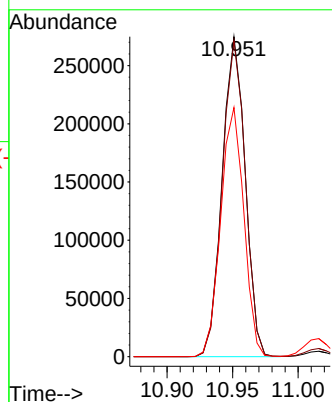
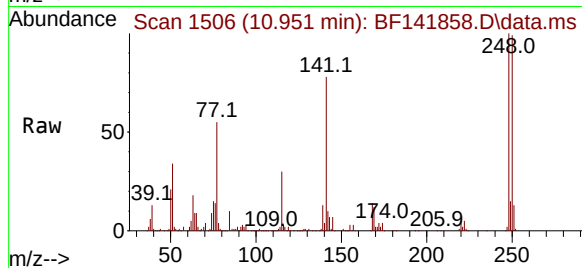




#67
4-Bromophenyl-phenylether
Concen: 41.606 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

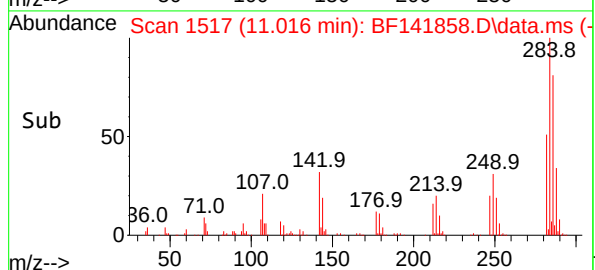
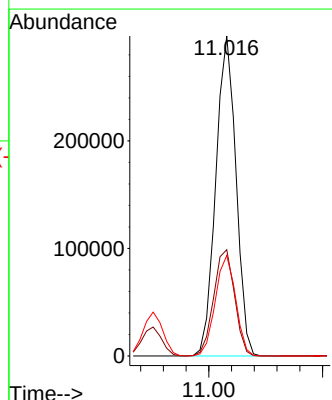
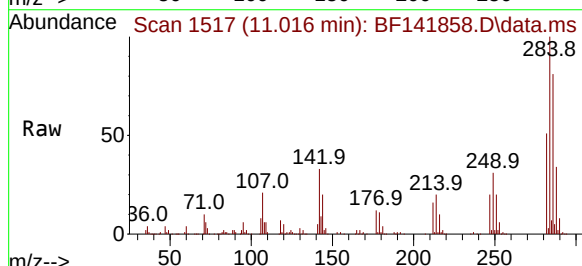
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

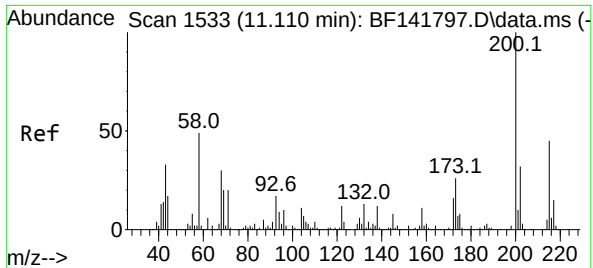
Tgt Ion:248 Resp: 336262
Ion Ratio Lower Upper
248 100
250 98.8 78.1 117.1
141 77.9 64.3 96.5



#68
Hexachlorobenzene
Concen: 43.090 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:284 Resp: 367747
Ion Ratio Lower Upper
284 100
142 33.2 28.2 42.2
249 31.4 25.5 38.3





#69

Atrazine

Concen: 34.313 ng

RT: 11.098 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

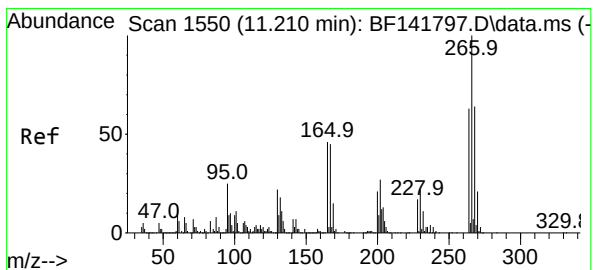
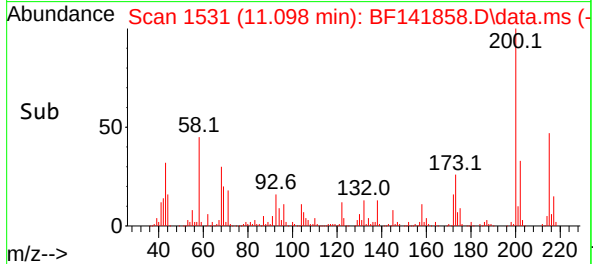
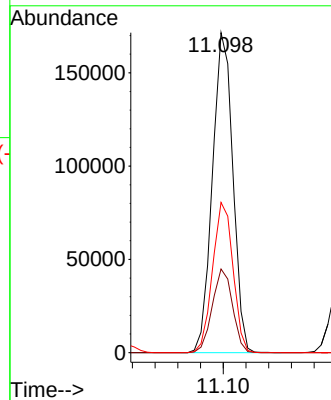
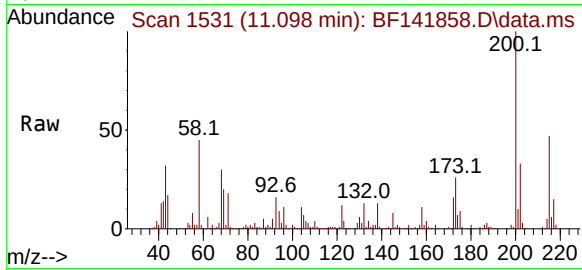
Tgt Ion:200 Resp: 214392

Ion Ratio Lower Upper

200 100

173 26.2 5.6 45.6

215 47.0 25.3 65.3



#70

Pentachlorophenol

Concen: 47.434 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

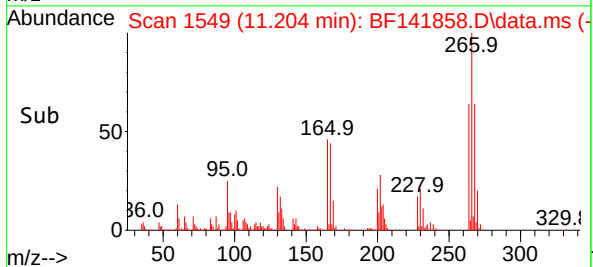
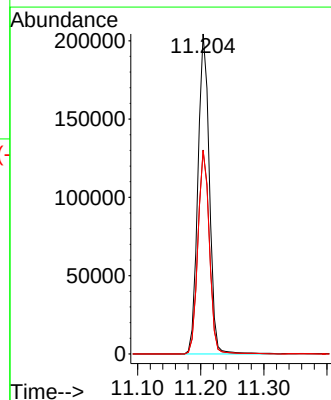
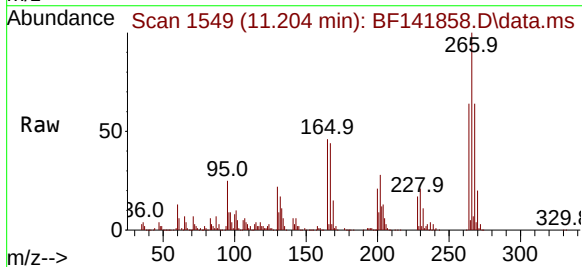
Tgt Ion:266 Resp: 256754

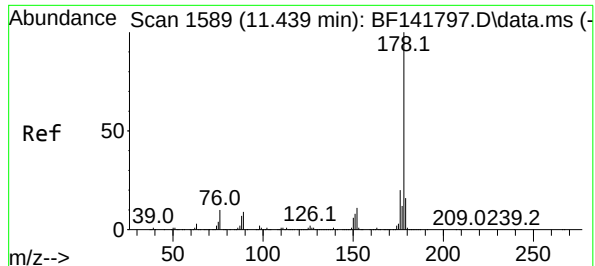
Ion Ratio Lower Upper

266 100

268 63.8 50.9 76.3

264 63.5 50.2 75.4





#71

Phenanthrene

Concen: 41.677 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

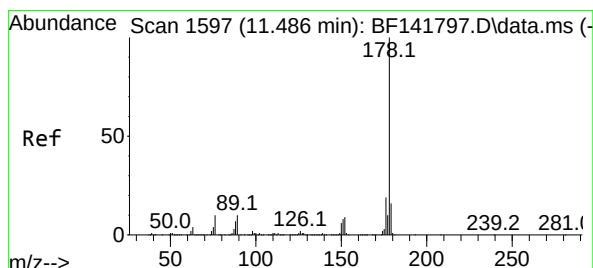
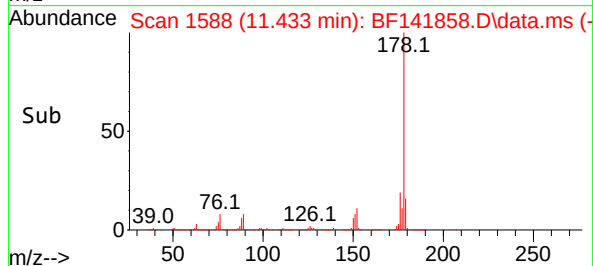
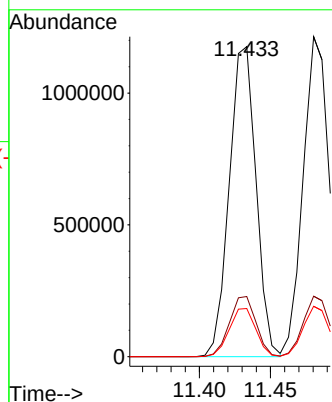
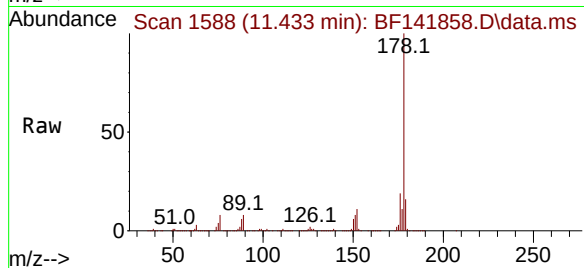
Tgt Ion:178 Resp: 1542542

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 15.6 12.6 19.0



#72

Anthracene

Concen: 41.580 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

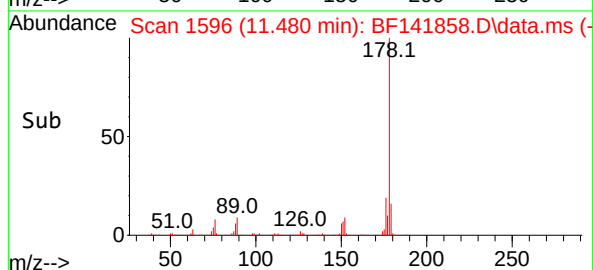
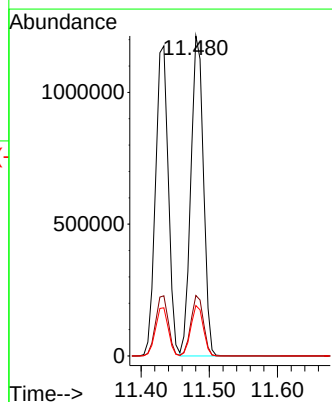
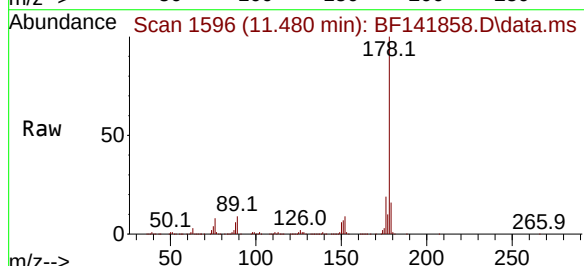
Tgt Ion:178 Resp: 1542354

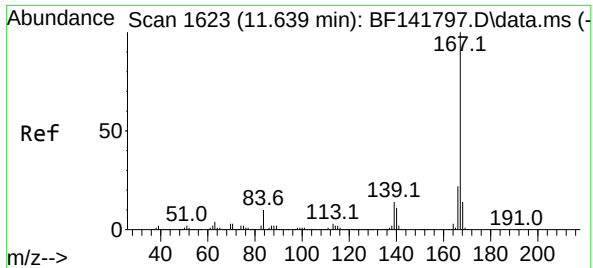
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.8 12.8 19.2

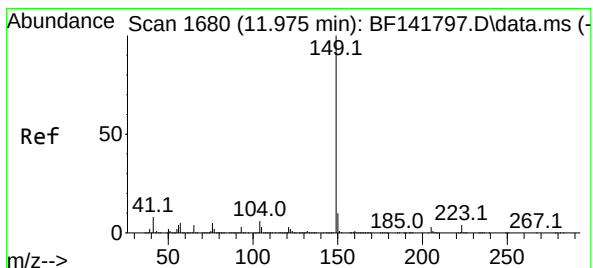
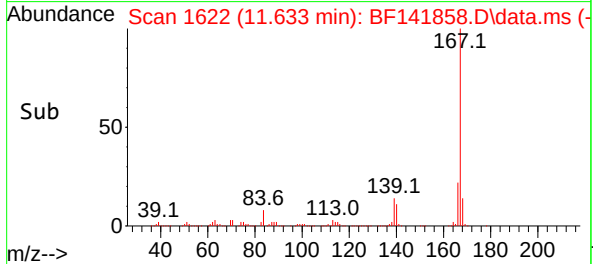
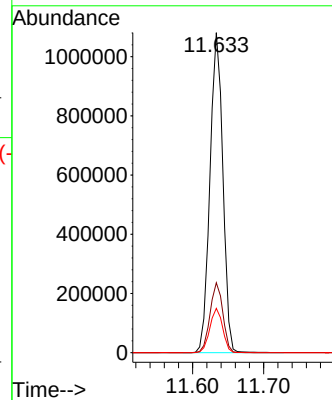
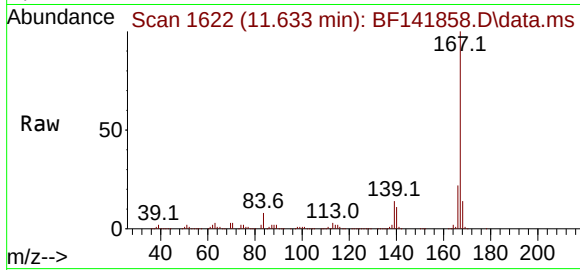




#73
Carbazole
Concen: 41.751 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

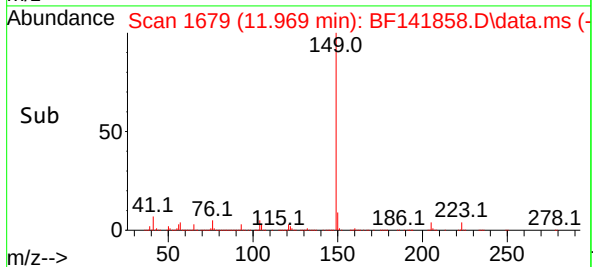
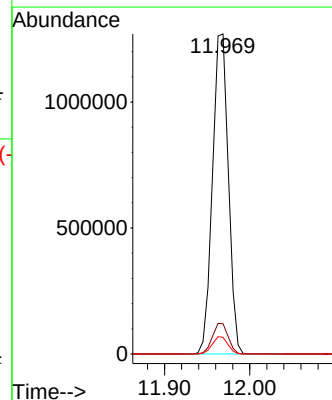
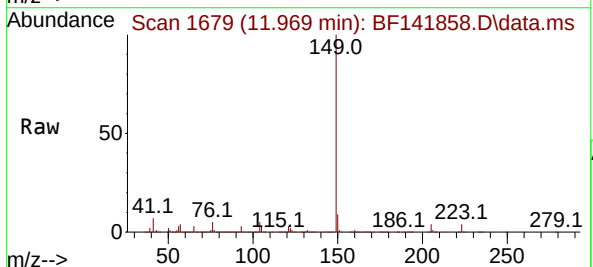
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

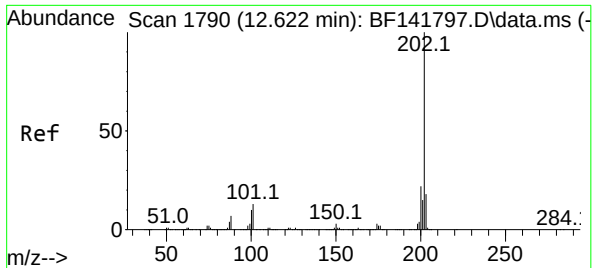
Tgt Ion:167 Resp: 1367611
Ion Ratio Lower Upper
167 100
166 21.8 17.5 26.3
139 13.8 11.3 16.9



#74
Di-n-butylphthalate
Concen: 39.592 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 1643939
Ion Ratio Lower Upper
149 100
150 9.5 7.7 11.5
104 5.2 4.4 6.6

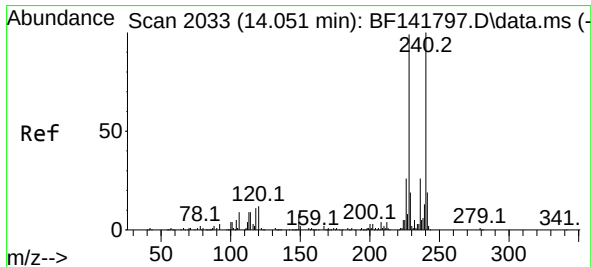
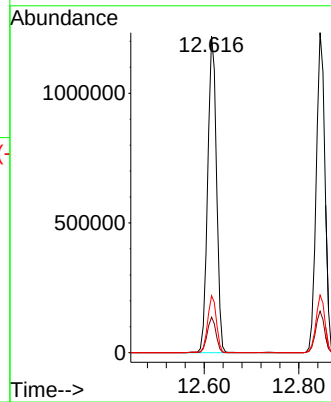
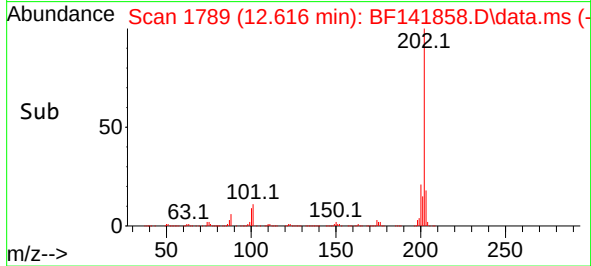
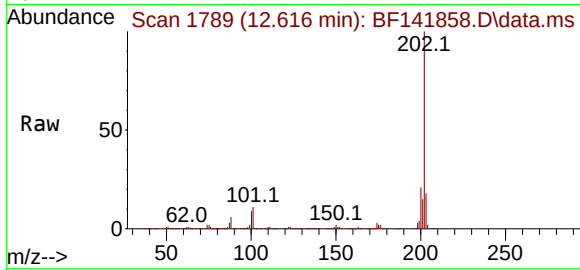




#75
Fluoranthene
Concen: 41.655 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

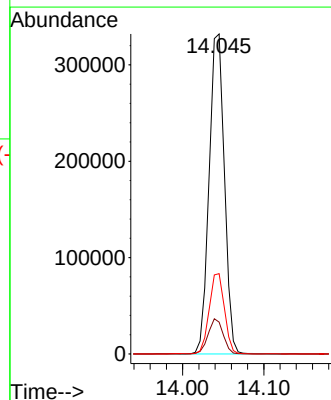
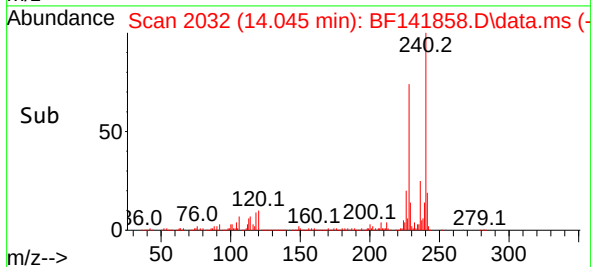
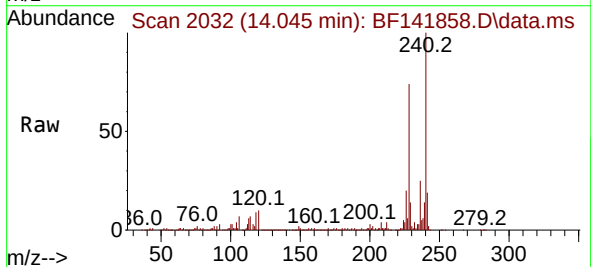
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

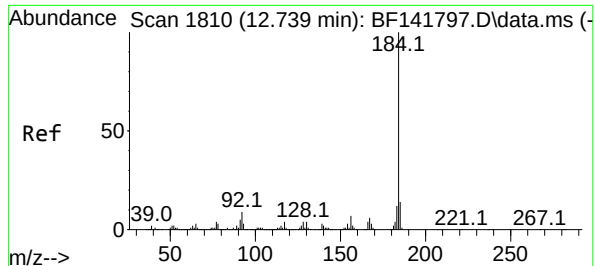
Tgt Ion:202 Resp: 1579732
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.8
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:240 Resp: 434521
Ion Ratio Lower Upper
240 100
120 10.0 9.7 14.5
236 25.1 21.0 31.4





#77

Benzidine

Concen: 64.132 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

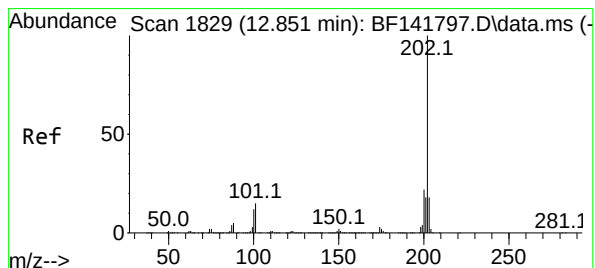
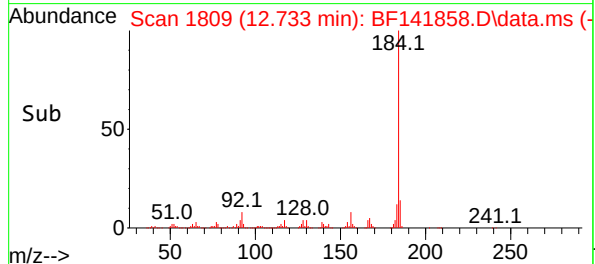
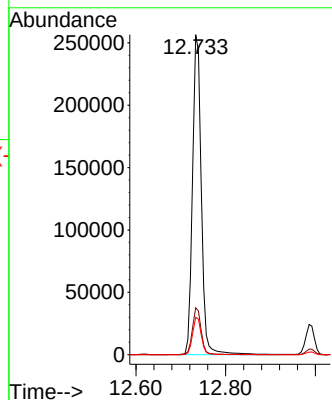
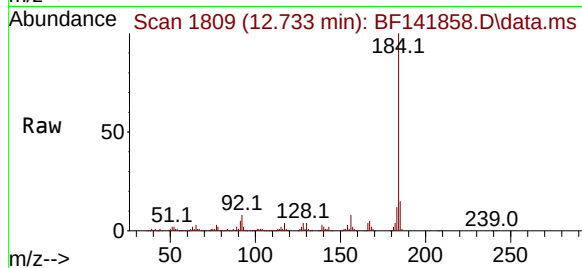
Tgt Ion:184 Resp: 350744

Ion Ratio Lower Upper

184 100

185 14.6 11.6 17.4

183 11.6 9.4 14.0



#78

Pyrene

Concen: 42.032 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

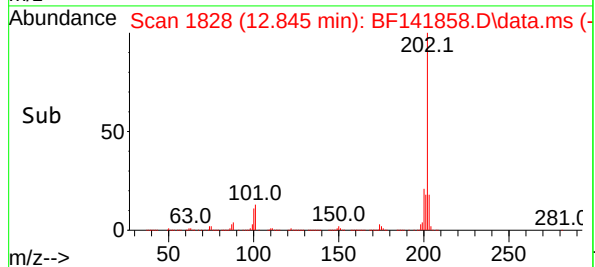
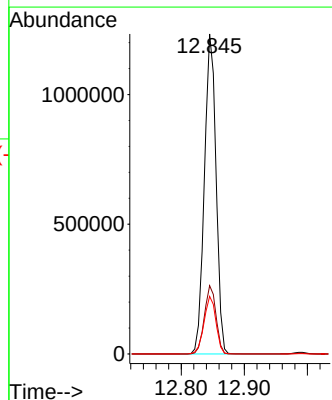
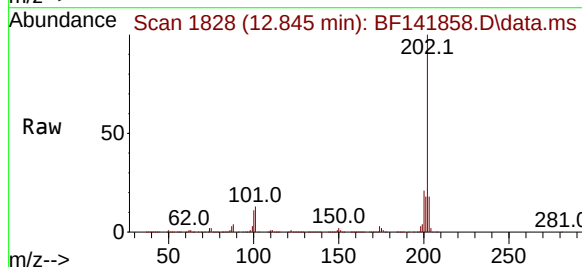
Tgt Ion:202 Resp: 1581543

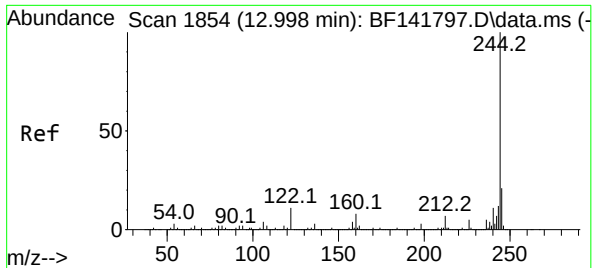
Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.0

203 18.0 14.6 22.0





#79

Terphenyl-d14

Concen: 84.201 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

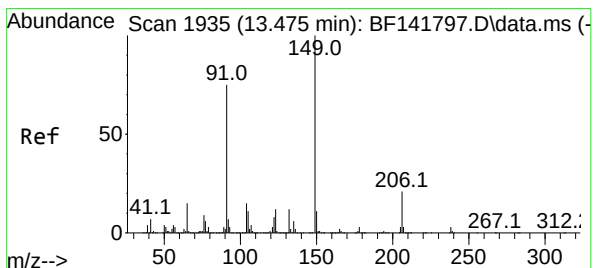
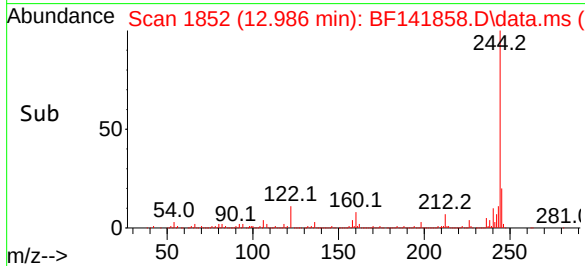
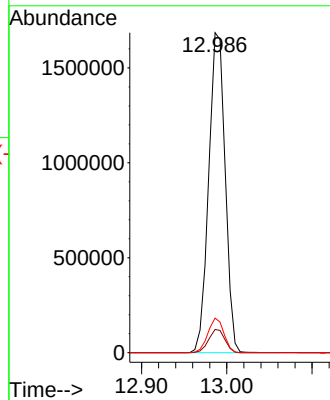
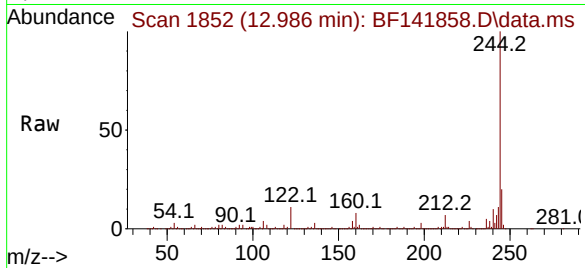
Tgt Ion:244 Resp: 2261369

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 10.8 9.0 13.6



#80

Butylbenzylphthalate

Concen: 41.333 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

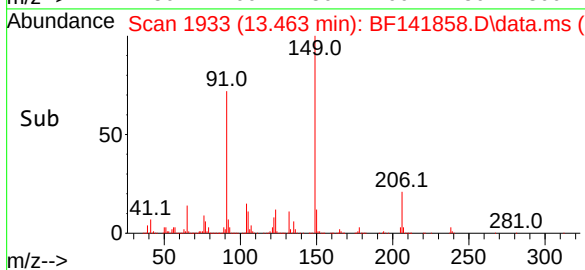
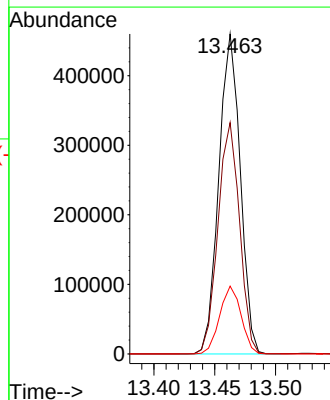
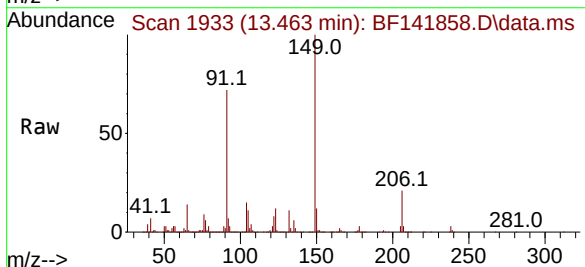
Tgt Ion:149 Resp: 565050

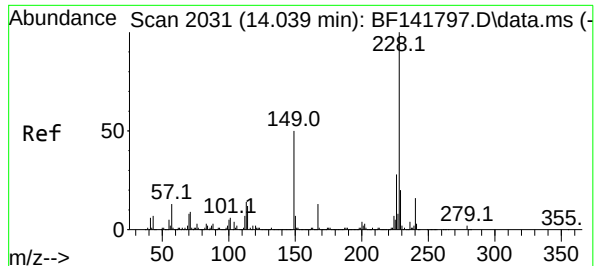
Ion Ratio Lower Upper

149 100

91 72.3 60.1 90.1

206 21.2 16.8 25.2





#81

Benzo(a)anthracene

Concen: 41.166 ng

RT: 14.033 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

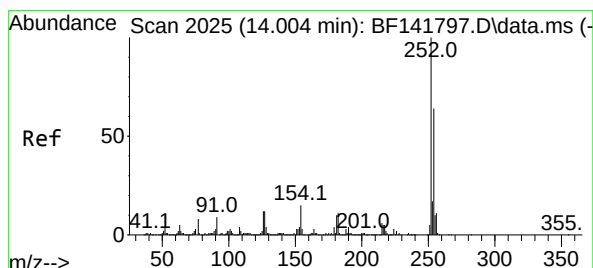
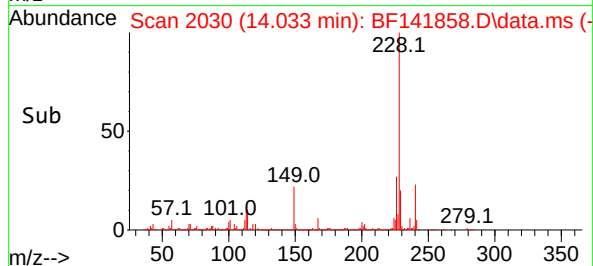
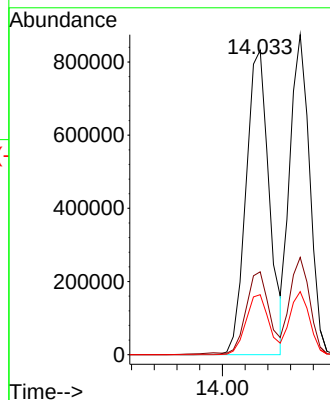
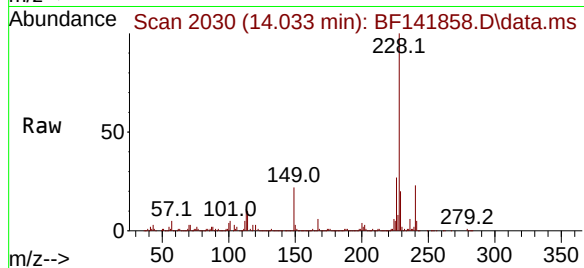
Tgt Ion:228 Resp: 1181513

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

229 19.7 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 42.780 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

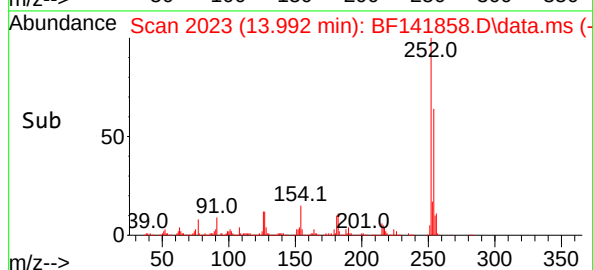
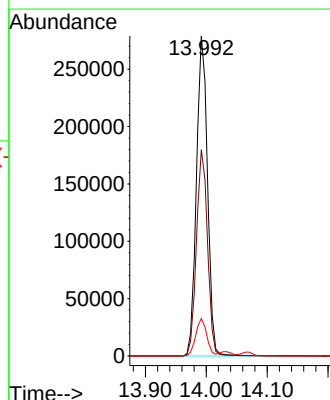
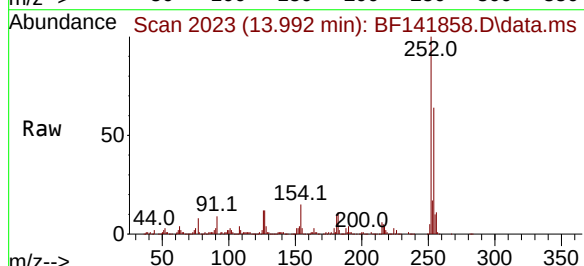
Tgt Ion:252 Resp: 352265

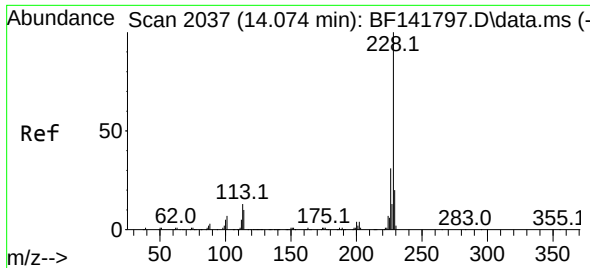
Ion Ratio Lower Upper

252 100

254 64.5 51.4 77.0

126 11.7 9.8 14.6

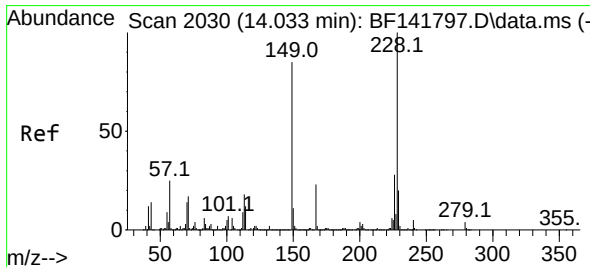
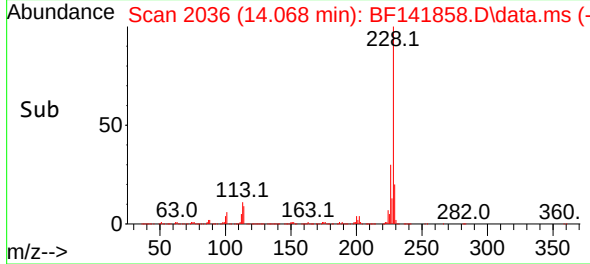
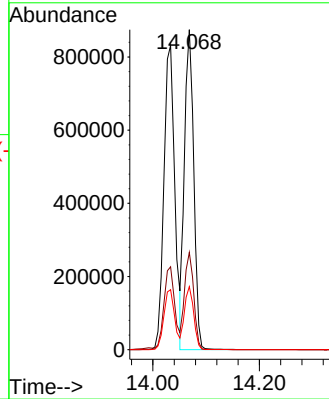
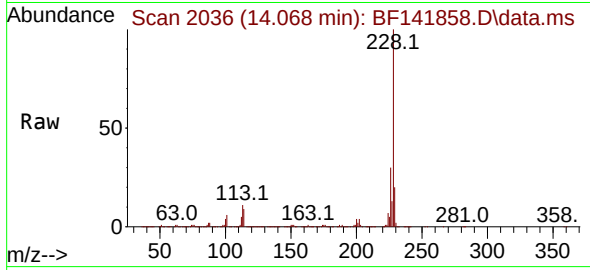




#83
Chrysene
Concen: 40.001 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

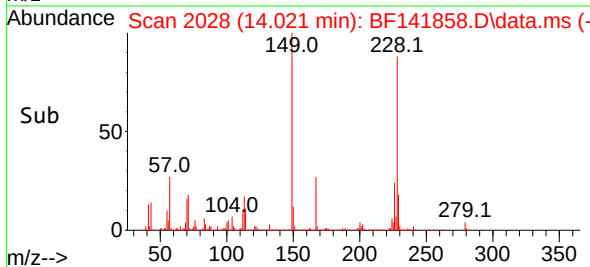
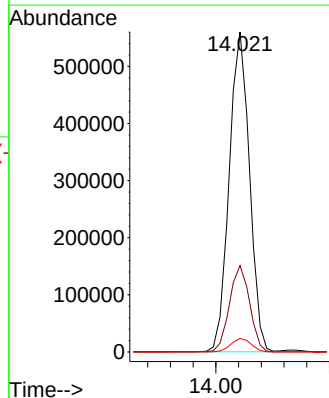
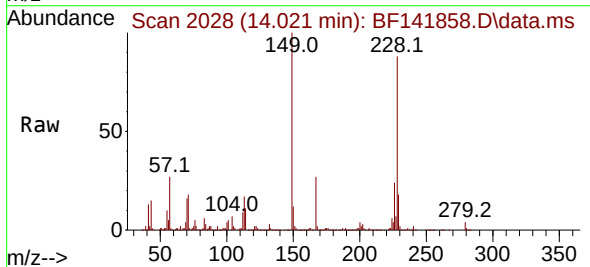
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

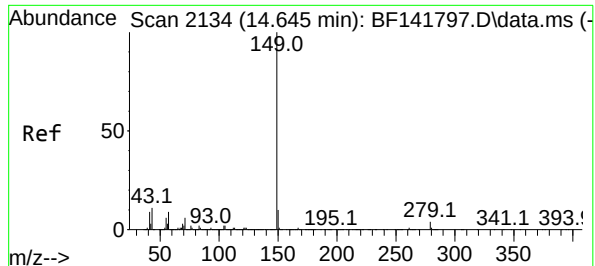
Tgt Ion:228 Resp: 1058301
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 19.7 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.771 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:149 Resp: 694013
Ion Ratio Lower Upper
149 100
167 27.0 21.2 31.8
279 4.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 39.653 ng

RT: 14.633 min Scan# 2134

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

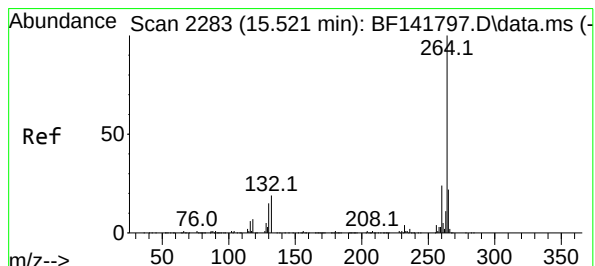
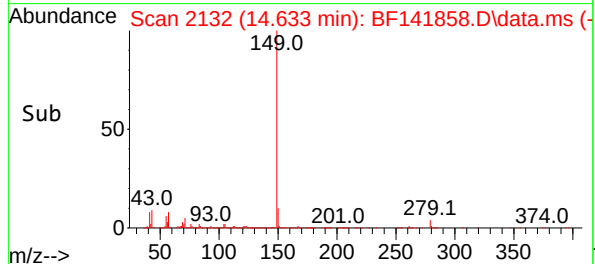
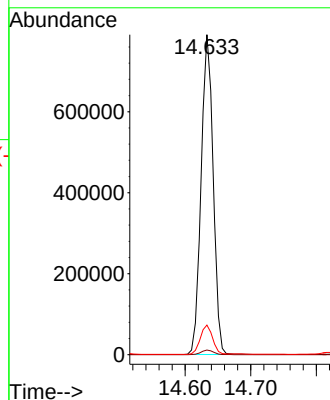
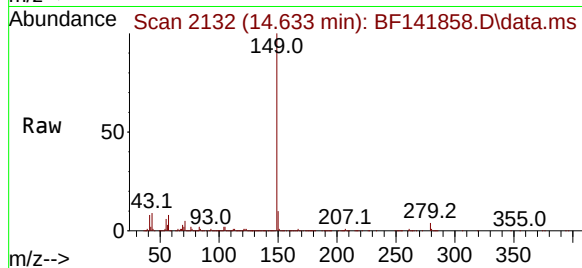
Tgt Ion:149 Resp: 1010509

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 9.5 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.006 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

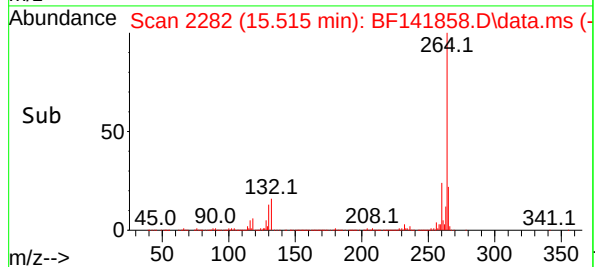
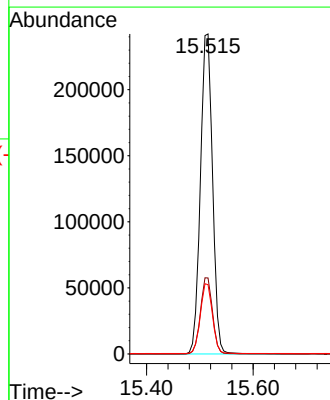
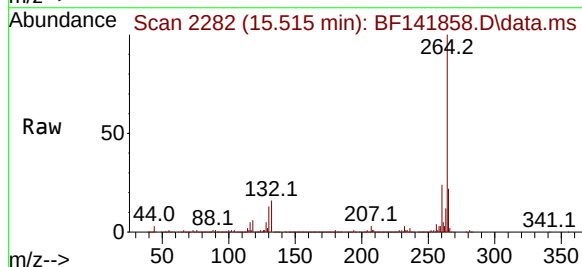
Tgt Ion:264 Resp: 382575

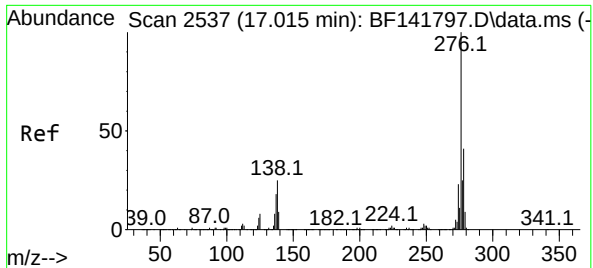
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.7 17.4 26.0

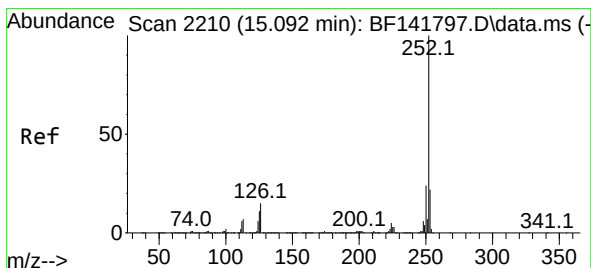
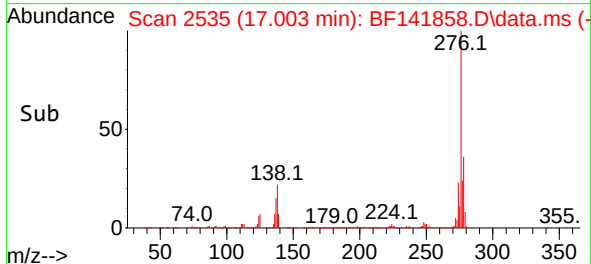
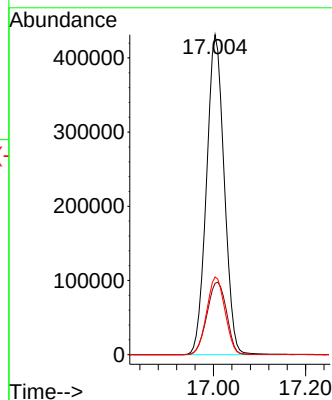
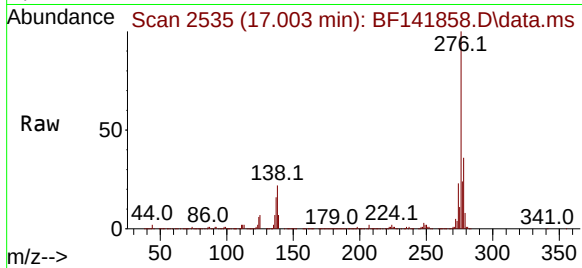




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.319 ng
RT: 17.003 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

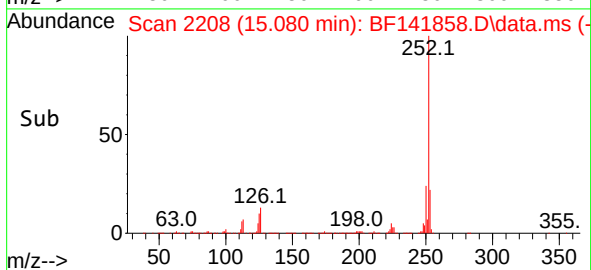
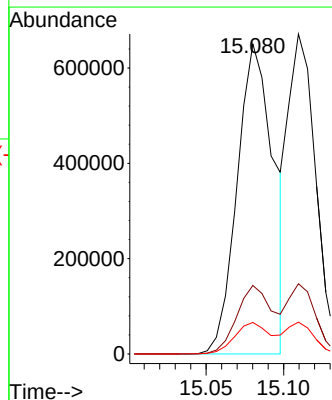
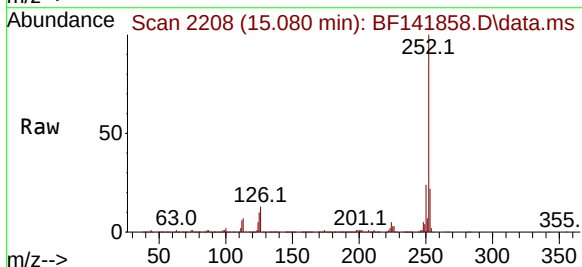
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

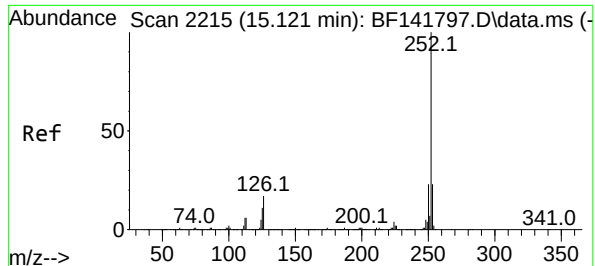
Tgt Ion:276 Resp: 1152756
Ion Ratio Lower Upper
276 100
138 25.1 22.5 33.7
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 40.755 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:252 Resp: 1062079
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 37.066 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

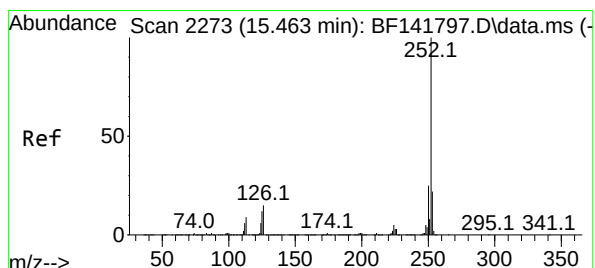
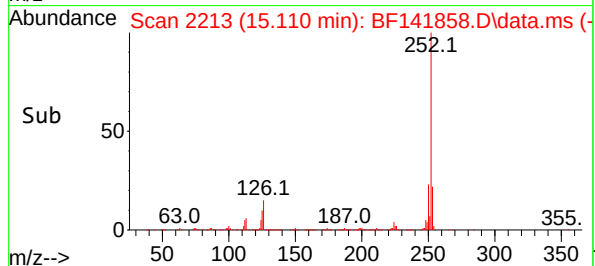
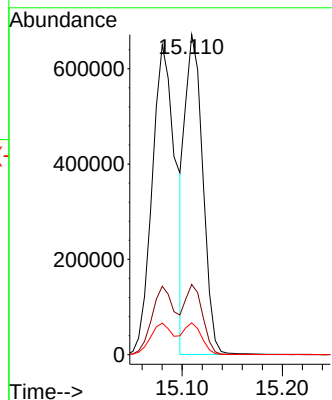
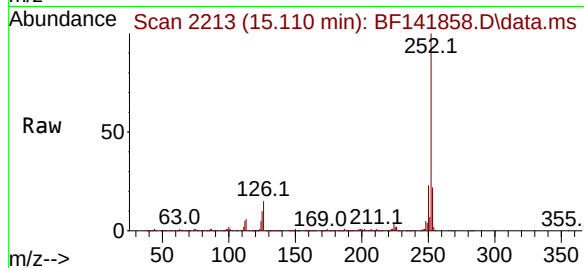
Tgt Ion:252 Resp: 821007

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 10.0 8.8 13.2



#90

Benzo(a)pyrene

Concen: 40.761 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141858.D

Acq: 06 Mar 2025 09:52

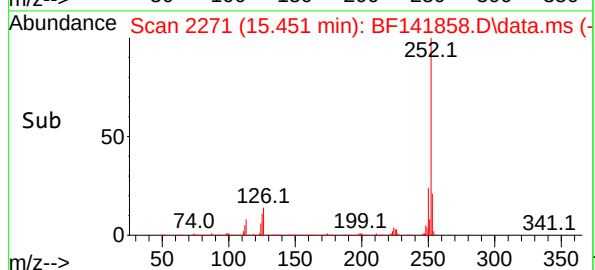
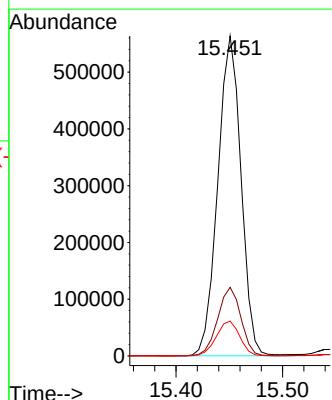
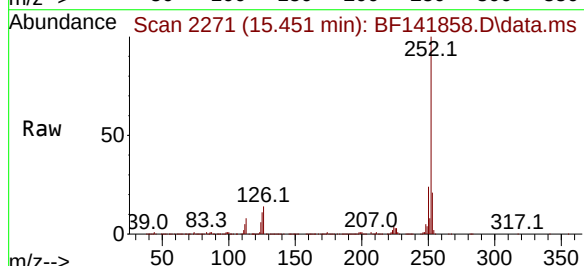
Tgt Ion:252 Resp: 851884

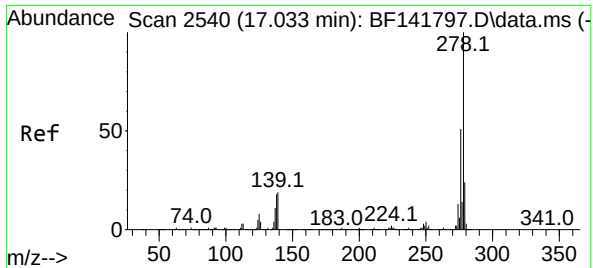
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.9 9.4 14.2

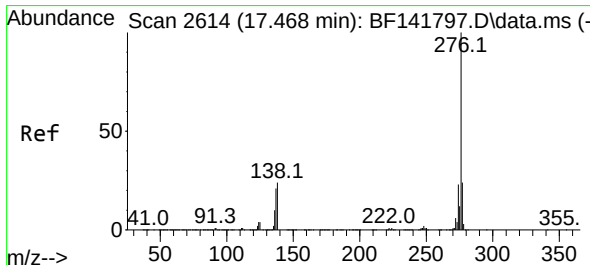
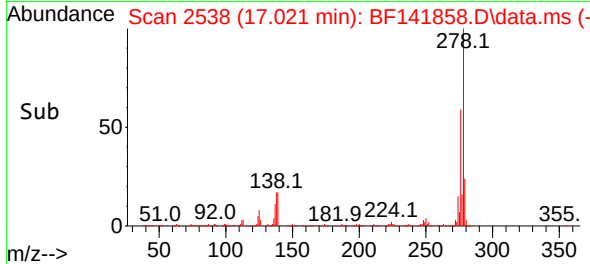
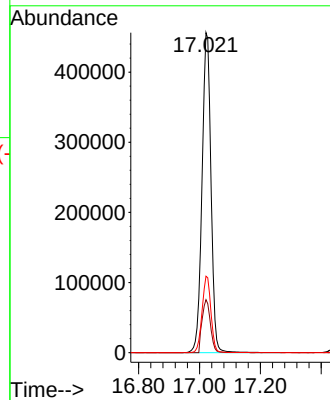
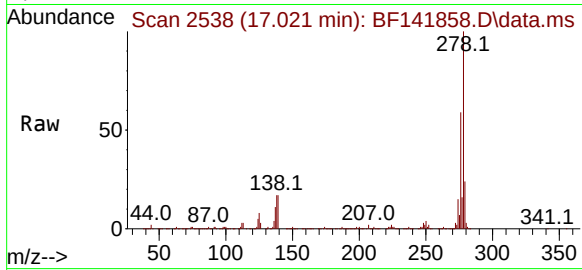




#91
Dibenzo(a,h)anthracene
Concen: 46.962 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

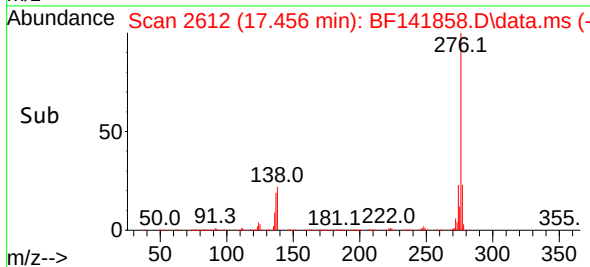
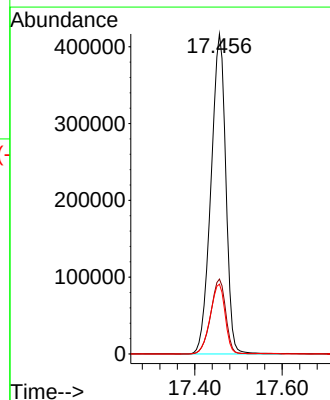
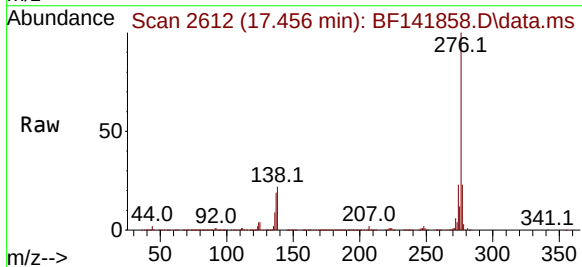
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 933839
Ion Ratio Lower Upper
278 100
139 16.6 14.9 22.3
279 23.9 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 48.133 ng
RT: 17.456 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141858.D
Acq: 06 Mar 2025 09:52

Tgt Ion:276 Resp: 980552
Ion Ratio Lower Upper
276 100
277 23.4 19.4 29.0
138 21.8 19.3 28.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141858.D
 Acq On : 06 Mar 2025 09:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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	72	0.00
2	1,4-Dioxane	0.568	0.556	2.1	67	-0.02
3	Pyridine	1.414	1.372	3.0	67	-0.02
4	n-Nitrosodimethylamine	0.680	0.662	2.6	65	-0.02
5 S	2-Fluorophenol	1.252	1.263	-0.9	71	0.00
6	Aniline	1.695	1.594	6.0	64	0.00
7 S	Phenol-d6	1.630	1.584	2.8	68	0.00
8	2-Chlorophenol	1.355	1.366	-0.8	70	0.00
9	Benzaldehyde	0.948	0.847	10.7	62	0.00
10 C	Phenol	1.742	1.692	2.9	67	0.00
11	bis(2-Chloroethyl)ether	1.328	1.246	6.2	67	0.00
12	1,3-Dichlorobenzene	1.451	1.457	-0.4	70	0.00
13 C	1,4-Dichlorobenzene	1.462	1.504	-2.9	72	0.00
14	1,2-Dichlorobenzene	1.365	1.366	-0.1	70	0.00
15	Benzyl Alcohol	1.303	1.261	3.2	67	0.00
16	2,2'-oxybis(1-Chloropropane	2.016	1.664	17.5	58	0.00
17	2-Methylphenol	1.118	1.076	3.8	67	0.00
18	Hexachloroethane	0.547	0.554	-1.3	69	0.00
19 P	n-Nitroso-di-n-propylamine	1.072	0.946	11.8	63	0.00
20	3+4-Methylphenols	1.392	1.366	1.9	68	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	67	0.00
22	Acetophenone	0.487	0.490	-0.6	67	0.00
23 S	Nitrobenzene-d5	0.313	0.382	-22.0	76	0.00
24	Nitrobenzene	0.335	0.382	-14.0	71	0.00
25	Isophorone	0.672	0.635	5.5	63	0.00
26 C	2-Nitrophenol	0.127	0.188	-48.0#	88	0.00
27	2,4-Dimethylphenol	0.247	0.253	-2.4	67	0.00
28	bis(2-Chloroethoxy)methane	0.429	0.412	4.0	64	0.00
29 C	2,4-Dichlorophenol	0.285	0.305	-7.0	69	0.00
30	1,2,4-Trichlorobenzene	0.312	0.332	-6.4	70	0.00
31	Naphthalene	1.028	1.054	-2.5	68	0.00
32	Benzoic acid	0.179	0.250	-39.7#	88	-0.02
33	4-Chloroaniline	0.377	0.374	0.8	67	0.00
34 C	Hexachlorobutadiene	0.194	0.208	-7.2	71	0.00
35	Caprolactam	0.088	0.093	-5.7	68	-0.01
36 C	4-Chloro-3-methylphenol	0.317	0.330	-4.1	68	0.00
37	2-Methylnaphthalene	0.674	0.684	-1.5	68	0.00
38	1-Methylnaphthalene	0.647	0.657	-1.5	68	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	68	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.607	-5.0	70	0.00
41 P	Hexachlorocyclopentadiene	0.241	0.266	-10.4	69	0.00
42 S	2,4,6-Tribromophenol	0.188	0.224	-19.1	76	0.00
43 C	2,4,6-Trichlorophenol	0.373	0.399	-7.0	68	0.00
44	2,4,5-Trichlorophenol	0.369	0.413	-11.9	73	0.00
45 S	2-Fluorobiphenyl	1.247	1.292	-3.6	71	0.00
46	1,1'-Biphenyl	1.522	1.560	-2.5	69	0.00
47	2-Chloronaphthalene	1.124	1.157	-2.9	69	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141858.D
 Acq On : 06 Mar 2025 09:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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	0.356	-36.9#	80	0.00
49	Acenaphthylene	1.685	1.735	-3.0	68	-0.01
50	Dimethylphthalate	1.339	1.363	-1.8	68	-0.01
51	2,6-Dinitrotoluene	0.226	0.300	-32.7#	79	-0.01
52 C	Acenaphthene	1.137	1.209	-6.3	71	0.00
53	3-Nitroaniline	0.241	0.314	-30.3#	77	0.00
54 P	2,4-Dinitrophenol	0.089	0.159	-78.7#	116	0.00
55	Dibenzofuran	1.654	1.682	-1.7	68	0.00
56 P	4-Nitrophenol	0.198	0.262	-32.3#	77	0.00
57	2,4-Dinitrotoluene	0.269	0.396	-47.2#	85	0.00
58	Fluorene	1.239	1.270	-2.5	70	0.00
59	2,3,4,6-Tetrachlorophenol	0.321	0.362	-12.8	72	0.00
60	Diethylphthalate	1.343	1.344	-0.1	66	-0.01
61	4-Chlorophenyl-phenylether	0.621	0.640	-3.1	70	0.00
62	4-Nitroaniline	0.229	0.307	-34.1#	78	-0.01
63	Azobenzene	1.414	1.358	4.0	64	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	67	0.00
65	4,6-Dinitro-2-methylphenol	0.081	0.132	-63.0#	102	0.00
66 c	n-Nitrosodiphenylamine	0.657	0.670	-2.0	68	0.00
67	4-Bromophenyl-phenylether	0.234	0.243	-3.8	69	0.00
68	Hexachlorobenzene	0.247	0.266	-7.7	71	0.00
69	Atrazine	0.181	0.155	14.4	58	-0.01
70 C	Pentachlorophenol	0.156	0.186	-19.2	74	0.00
71	Phenanthrene	1.070	1.115	-4.2	70	0.00
72	Anthracene	1.072	1.115	-4.0	70	0.00
73	Carbazole	0.947	0.988	-4.3	69	0.00
74	Di-n-butylphthalate	1.200	1.188	1.0	66	0.00
75 C	Fluoranthene	1.096	1.142	-4.2	70	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	69	0.00
77	Benzidine	0.252	0.404	-60.3#	107	0.00
78	Pyrene	1.732	1.820	-5.1	70	0.00
79 S	Terphenyl-d14	1.236	1.301	-5.3	71	-0.01
80	Butylbenzylphthalate	0.629	0.650	-3.3	67	-0.01
81	Benzo(a)anthracene	1.321	1.360	-3.0	72	0.00
82	3,3'-Dichlorobenzidine	0.379	0.405	-6.9	71	-0.01
83	Chrysene	1.218	1.218	0.0	66	0.00
84	Bis(2-ethylhexyl)phthalate	0.783	0.799	-2.0	66	-0.01
85 c	Di-n-octyl phthalate	1.173	1.163	0.9	61	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	67	0.00
87	Indeno(1,2,3-cd)pyrene	1.274	1.507	-18.3	76	-0.01
88	Benzo(b)fluoranthene	1.362	1.388	-1.9	72	-0.01
89	Benzo(k)fluoranthene	1.158	1.073	7.3	60	-0.01
90 C	Benzo(a)pyrene	1.093	1.113	-1.8	67	-0.01
91	Dibenzo(a,h)anthracene	1.040	1.220	-17.3	74	-0.01
92	Benzo(g,h,i)perylene	1.065	1.282	-20.4	77	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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\BF030625\
 Data File : BF141858.D
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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

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	72	0.00
2	1,4-Dioxane	40.000	39.116	2.2	67	-0.02
3	Pyridine	40.000	38.819	3.0	67	-0.02
4	n-Nitrosodimethylamine	40.000	38.909	2.7	65	-0.02
5 S	2-Fluorophenol	80.000	80.684	-0.9	71	0.00
6	Aniline	40.000	37.619	6.0	64	0.00
7 S	Phenol-d6	80.000	77.750	2.8	68	0.00
8	2-Chlorophenol	40.000	40.331	-0.8	70	0.00
9	Benzaldehyde	40.000	35.716	10.7	62	0.00
10 C	Phenol	40.000	38.850	2.9	67	0.00
11	bis(2-Chloroethyl)ether	40.000	37.524	6.2	67	0.00
12	1,3-Dichlorobenzene	40.000	40.171	-0.4	70	0.00
13 C	1,4-Dichlorobenzene	40.000	41.163	-2.9	72	0.00
14	1,2-Dichlorobenzene	40.000	40.035	-0.1	70	0.00
15	Benzyl Alcohol	40.000	38.708	3.2	67	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	33.001	17.5	58	0.00
17	2-Methylphenol	40.000	38.479	3.8	67	0.00
18	Hexachloroethane	40.000	40.497	-1.2	69	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.298	11.8	63	0.00
20	3+4-Methylphenols	40.000	39.253	1.9	68	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	67	0.00
22	Acetophenone	40.000	40.243	-0.6	67	0.00
23 S	Nitrobenzene-d5	80.000	97.772	-22.2	76	0.00
24	Nitrobenzene	40.000	45.653	-14.1	71	0.00
25	Isophorone	40.000	37.814	5.5	63	0.00
26 C	2-Nitrophenol	40.000	49.968	-24.9#	88	0.00
27	2,4-Dimethylphenol	40.000	40.956	-2.4	67	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.448	3.9	64	0.00
29 C	2,4-Dichlorophenol	40.000	42.802	-7.0	69	0.00
30	1,2,4-Trichlorobenzene	40.000	42.568	-6.4	70	0.00
31	Naphthalene	40.000	41.026	-2.6	68	0.00
32	Benzoic acid	40.000	48.428	-21.1	88	-0.02
33	4-Chloroaniline	40.000	39.713	0.7	67	0.00
34 C	Hexachlorobutadiene	40.000	42.902	-7.3	71	0.00
35	Caprolactam	40.000	42.235	-5.6	68	-0.01
36 C	4-Chloro-3-methylphenol	40.000	41.661	-4.2	68	0.00
37	2-Methylnaphthalene	40.000	40.571	-1.4	68	0.00
38	1-Methylnaphthalene	40.000	40.609	-1.5	68	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	68	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	42.066	-5.2	70	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.067	-10.2	69	0.00
42 S	2,4,6-Tribromophenol	80.000	95.540	-19.4	76	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.772	-6.9	68	0.00
44	2,4,5-Trichlorophenol	40.000	44.739	-11.8	73	0.00
45 S	2-Fluorobiphenyl	80.000	82.849	-3.6	71	0.00
46	1,1'-Biphenyl	40.000	40.994	-2.5	69	0.00
47	2-Chloronaphthalene	40.000	41.199	-3.0	69	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141858.D
 Acq On : 06 Mar 2025 09:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 06 10:25:20 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

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	46.508	-16.3	80	0.00
49	Acenaphthylene	40.000	41.204	-3.0	68	-0.01
50	Dimethylphthalate	40.000	40.693	-1.7	68	-0.01
51	2,6-Dinitrotoluene	40.000	46.842	-17.1	79	-0.01
52 C	Acenaphthene	40.000	42.527	-6.3	71	0.00
53	3-Nitroaniline	40.000	46.137	-15.3	77	0.00
54 P	2,4-Dinitrophenol	40.000	59.722	-49.3#	116	0.00
55	Dibenzofuran	40.000	40.671	-1.7	68	0.00
56 P	4-Nitrophenol	40.000	52.954	-32.4#	77	0.00
57	2,4-Dinitrotoluene	40.000	50.419	-26.0#	85	0.00
58	Fluorene	40.000	41.003	-2.5	70	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	45.123	-12.8	72	0.00
60	Diethylphthalate	40.000	40.052	-0.1	66	-0.01
61	4-Chlorophenyl-phenylether	40.000	41.246	-3.1	70	0.00
62	4-Nitroaniline	40.000	53.688	-34.2#	78	-0.01
63	Azobenzene	40.000	38.422	3.9	64	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	67	0.00
65	4,6-Dinitro-2-methylphenol	40.000	54.694	-36.7#	102	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.832	-2.1	68	0.00
67	4-Bromophenyl-phenylether	40.000	41.606	-4.0	69	0.00
68	Hexachlorobenzene	40.000	43.090	-7.7	71	0.00
69	Atrazine	40.000	34.313	14.2	58	-0.01
70 C	Pentachlorophenol	40.000	47.434	-18.6	74	0.00
71	Phenanthrene	40.000	41.677	-4.2	70	0.00
72	Anthracene	40.000	41.580	-3.9	70	0.00
73	Carbazole	40.000	41.751	-4.4	69	0.00
74	Di-n-butylphthalate	40.000	39.592	1.0	66	0.00
75 C	Fluoranthene	40.000	41.655	-4.1	70	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	69	0.00
77	Benzydine	40.000	64.132	-60.3#	107	0.00
78	Pyrene	40.000	42.032	-5.1	70	0.00
79 S	Terphenyl-d14	80.000	84.201	-5.3	71	-0.01
80	Butylbenzylphthalate	40.000	41.333	-3.3	67	-0.01
81	Benzo(a)anthracene	40.000	41.166	-2.9	72	0.00
82	3,3'-Dichlorobenzidine	40.000	42.780	-7.0	71	-0.01
83	Chrysene	40.000	40.001	-0.0	66	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.771	-1.9	66	-0.01
85 c	Di-n-octyl phthalate	40.000	39.653	0.9	61	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	67	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	47.319	-18.3	76	-0.01
88	Benzo(b)fluoranthene	40.000	40.755	-1.9	72	-0.01
89	Benzo(k)fluoranthene	40.000	37.066	7.3	60	-0.01
90 C	Benzo(a)pyrene	40.000	40.761	-1.9	67	-0.01
91	Dibenzo(a,h)anthracene	40.000	46.962	-17.4	74	-0.01
92	Benzo(g,h,i)perylene	40.000	48.133	-20.3	77	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141858.D
Acq On : 06 Mar 2025 09:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 06 10:25:20 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1



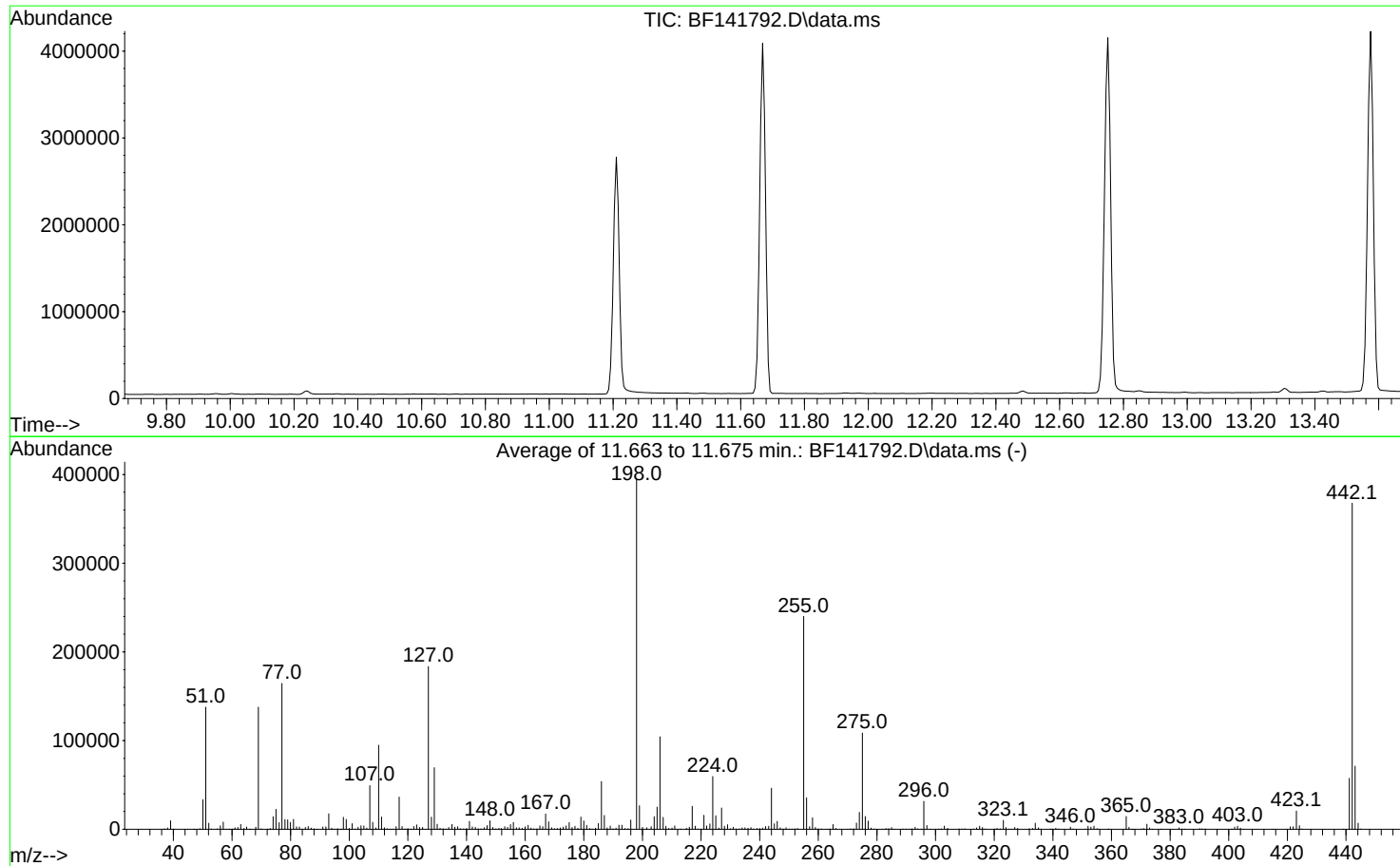
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\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



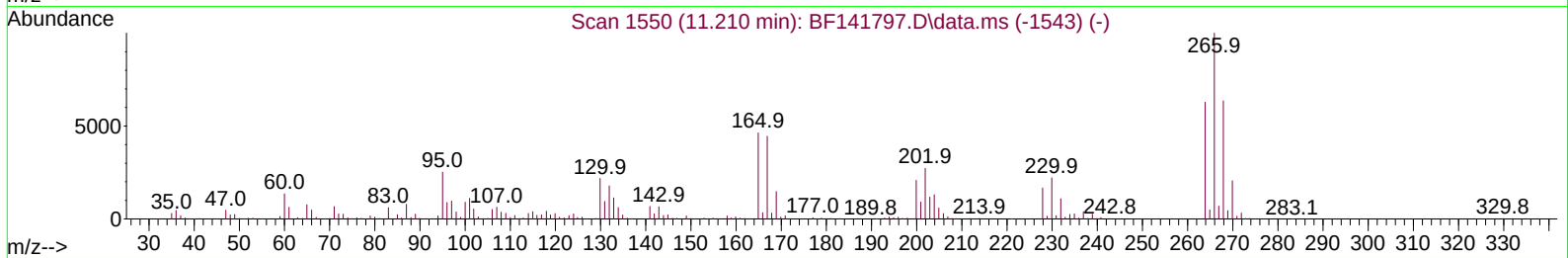
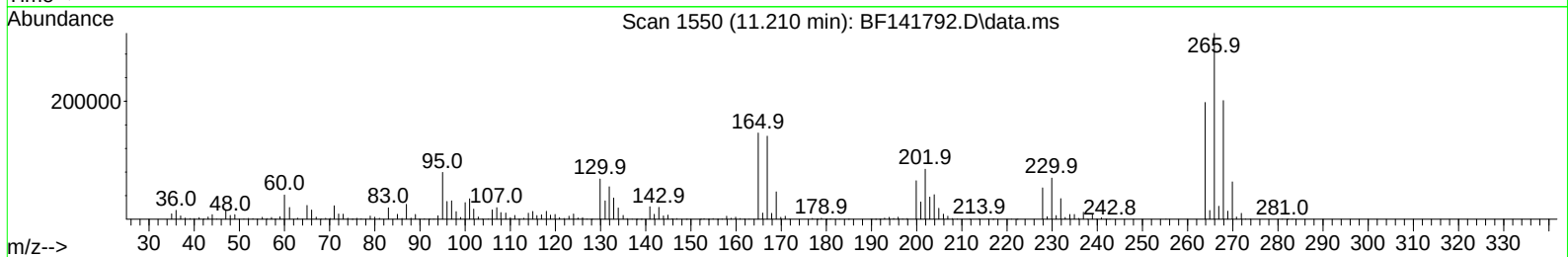
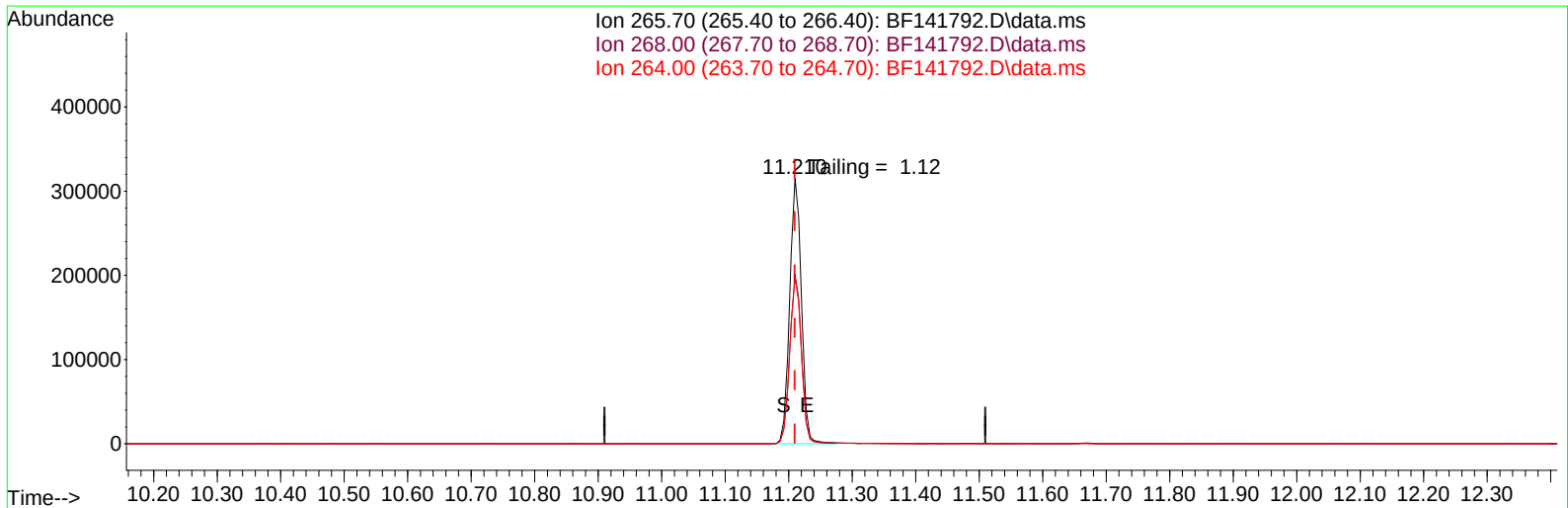
AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

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

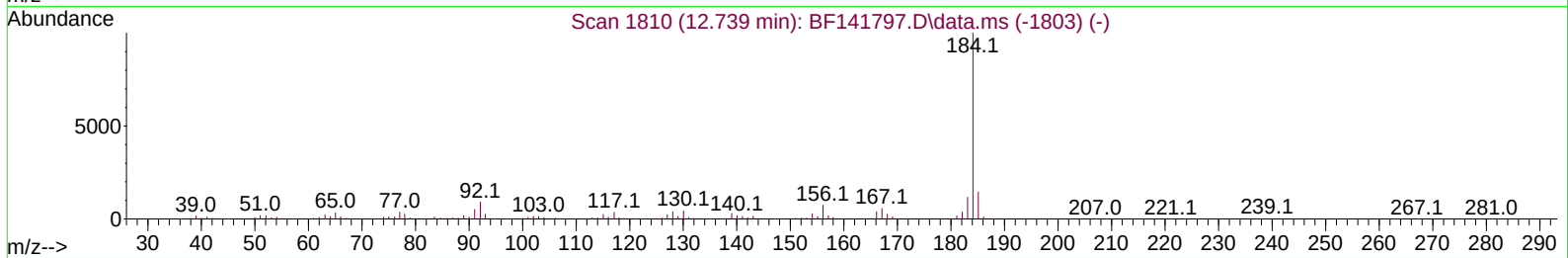
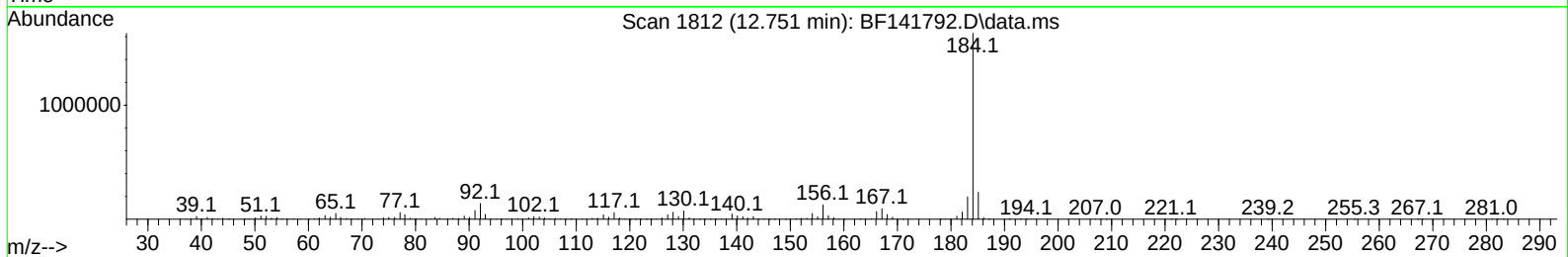
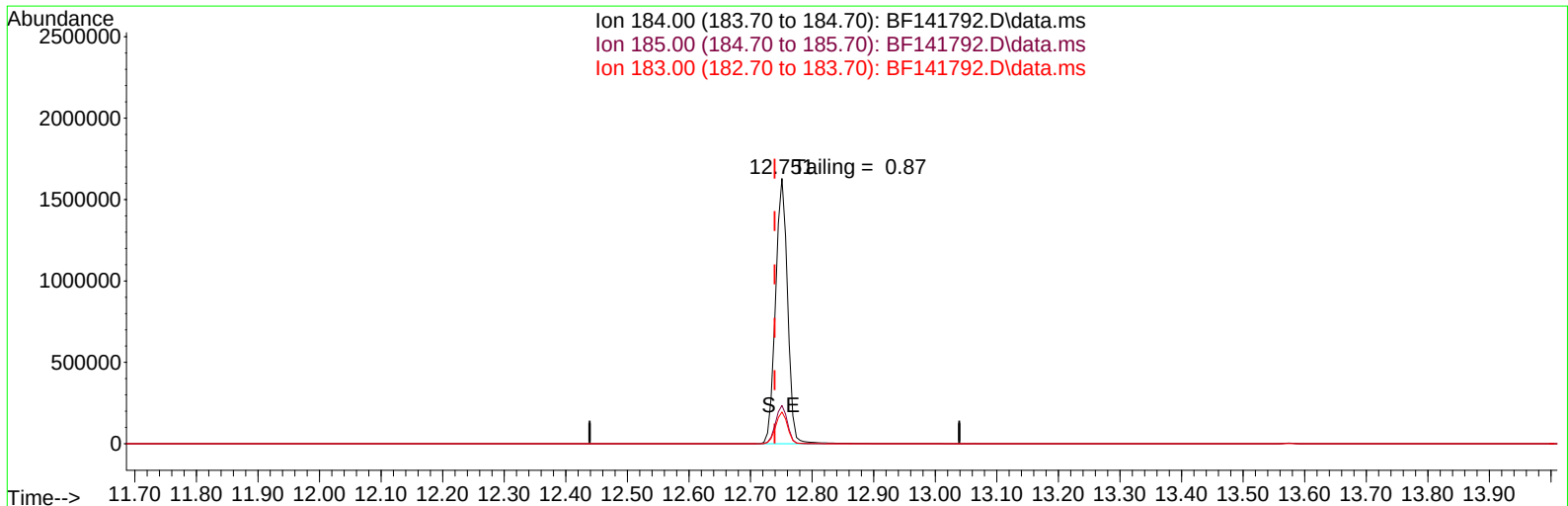
response 409665

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

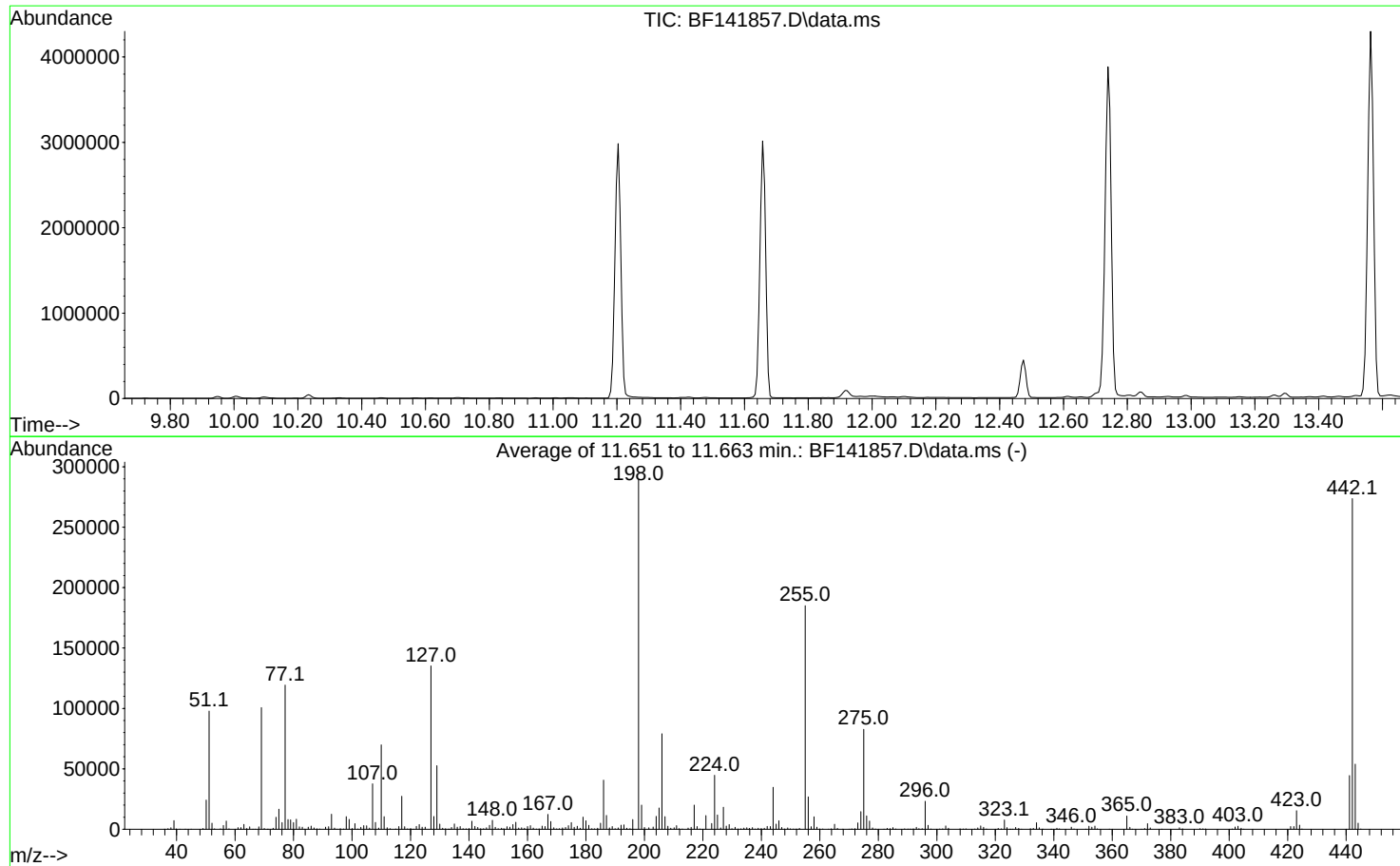
Date	Instrument Name	DFTPP Data File
2/27/2025	BNA_F	<u>BF141792.D</u>
Compound Name	Response	Retention Time
DDT	938485	13.575
DDD	9936	13.304
DDE	0	12.827
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9936	948421	1.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141857.D
Acq On : 06 Mar 2025 08:34
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



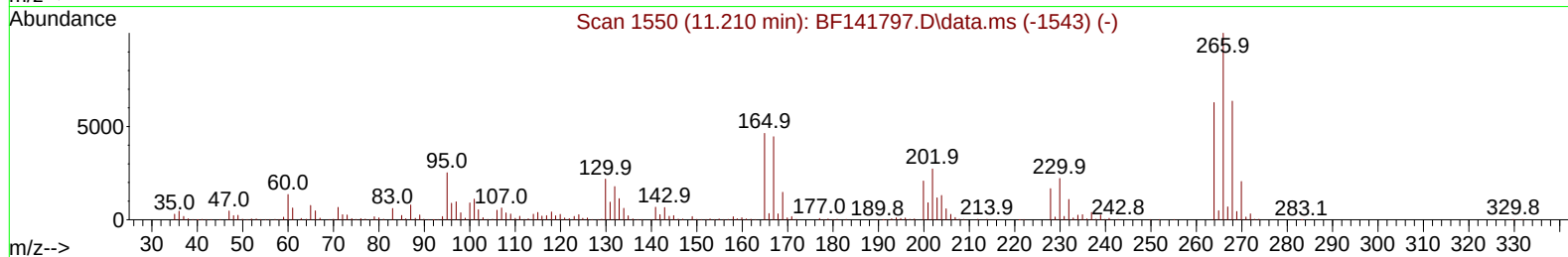
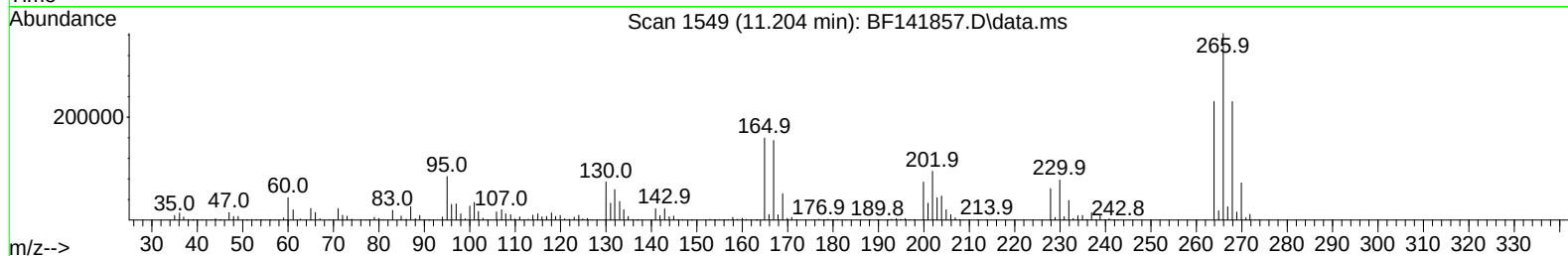
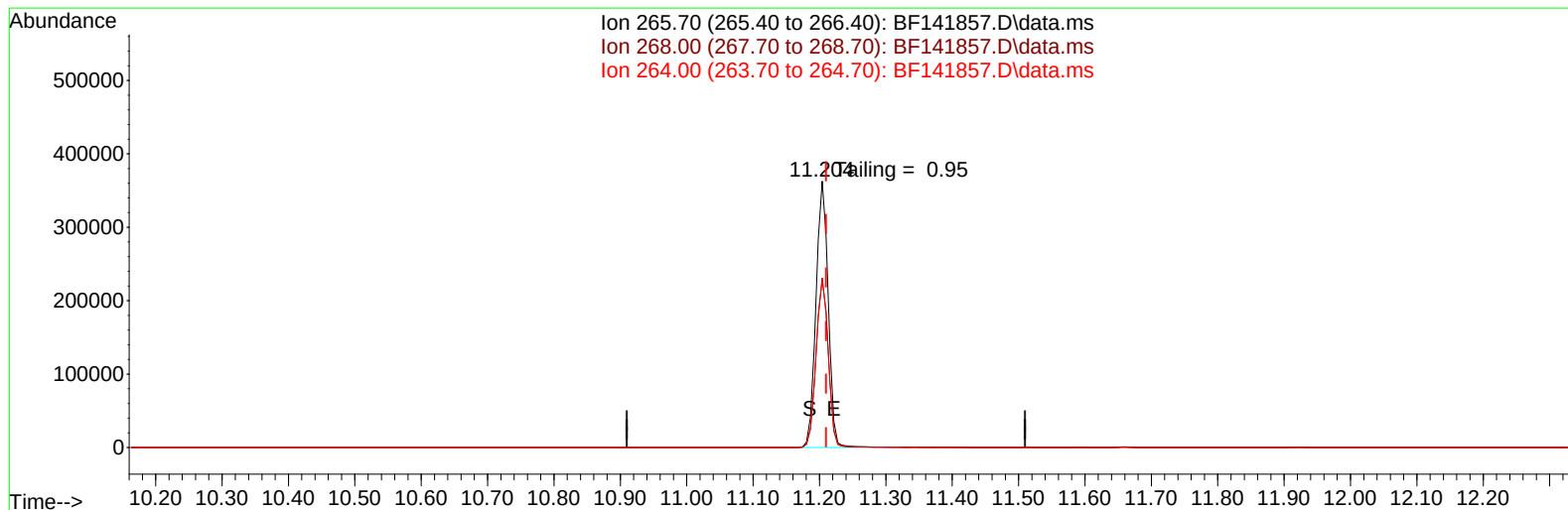
AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.8	97827	PASS
68	69	0.00	2	2.0	1989	PASS
69	198	0.00	100	34.8	100752	PASS
70	69	0.00	2	0.7	703	PASS
127	198	10	80	46.7	135227	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	289387	PASS
199	198	5	9	6.9	20075	PASS
275	198	10	60	28.6	82683	PASS
365	198	1	100	3.8	11013	PASS
441	198	0.01	100	15.3	44419	PASS
442	442	50	100	100.0	273621	PASS
443	442	15	24	19.7	53861	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141857.D
Acq On : 06 Mar 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 06 17:12:39 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



TIC: BF141857.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 17552.30 ng

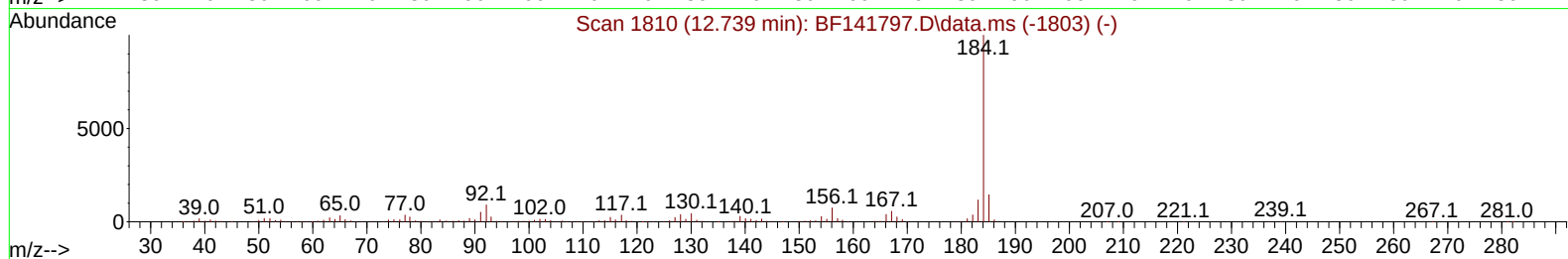
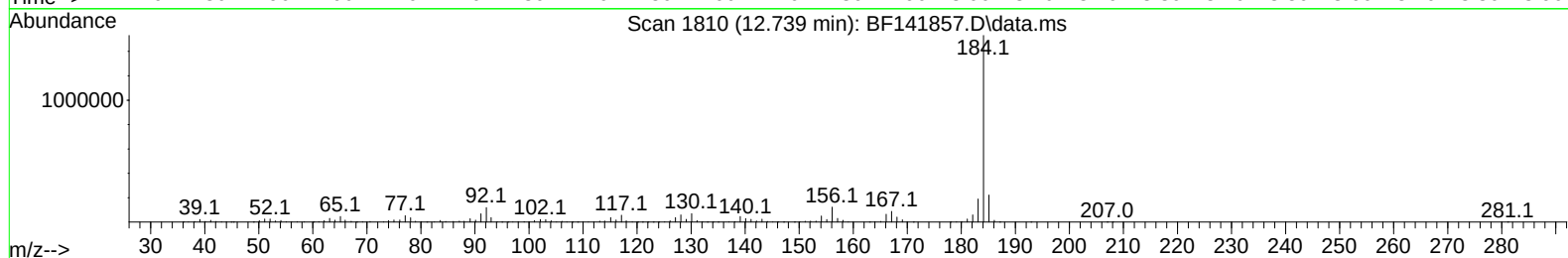
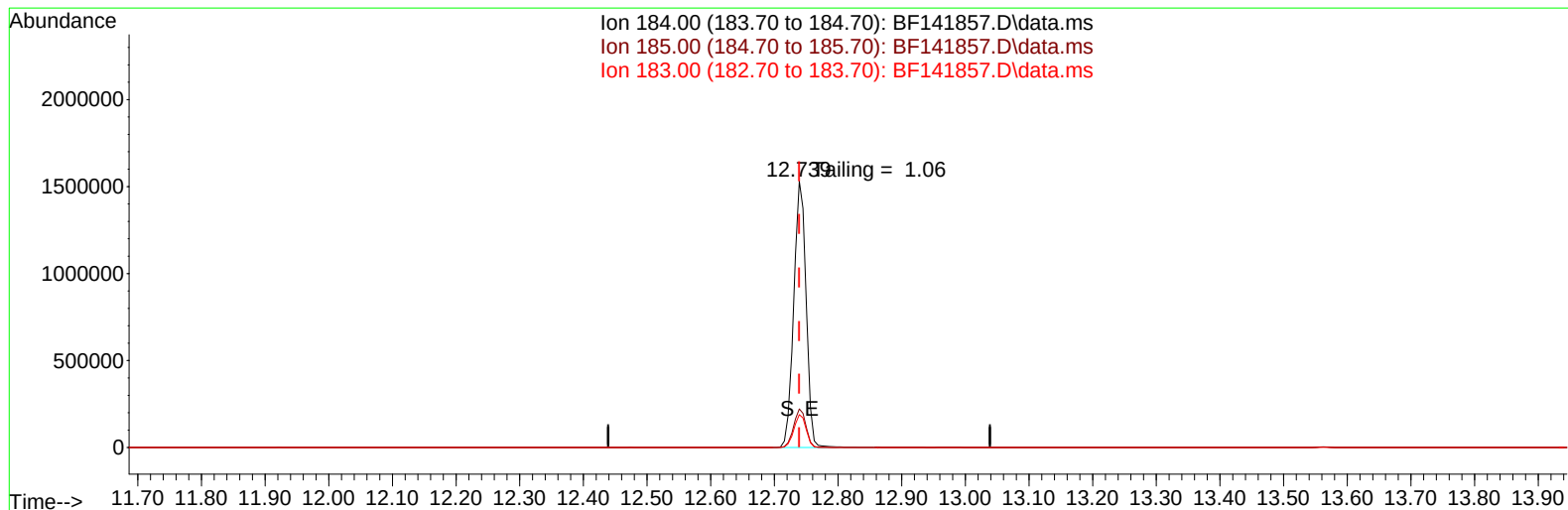
response 465884

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.51
264.00	62.80	63.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141857.D
Acq On : 06 Mar 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 06 17:12:39 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



TIC: BF141857.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 49273.09 ng

response 2084395

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.51
183.00	11.70	12.37
0.00	0.00	0.00

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/6/2025	BNA_F	<u>BF141857.D</u>
Compound Name	Response	Retention Time
DDT	1093424	13.563
DDD	17368	13.292
DDE	1071	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18439	1111863	1.66

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BL	SDG No.:	Q1478
Lab Sample ID:	PB166982BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141861.D	1	03/05/25 08:35	03/06/25 11:21	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	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
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	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
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BL	SDG No.:	Q1478
Lab Sample ID:	PB166982BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141861.D	1	03/05/25 08:35	03/06/25 11:21	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BL	SDG No.:	Q1478
Lab Sample ID:	PB166982BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141861.D	1	03/05/25 08:35	03/06/25 11:21	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.9		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	87.1		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	212000	6.887			
1146-65-2	Naphthalene-d8	840000	8.163			
15067-26-2	Acenaphthene-d10	466000	9.916			
1517-22-2	Phenanthrene-d10	809000	11.404			
1719-03-5	Chrysene-d12	647000	14.039			
1520-96-3	Perylene-d12	495000	15.51			

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\BF030625\
Data File : BF141861.D
Acq On : 06 Mar 2025 11:21
Operator : RC/JU
Sample : PB166982BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166982BL

Quant Time: Mar 06 11:43:40 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	6.887	152	212037	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840031	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	466101	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	808511	20.000	ng	0.00
76) Chrysene-d12	14.039	240	646602	20.000	ng	-0.01
86) Perylene-d12	15.510	264	495069	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1727468	130.107	ng	0.01
7) Phenol-d6	6.504	99	2126999	123.079	ng	0.00
23) Nitrobenzene-d5	7.445	82	1428020	108.662	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	752761	172.027	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2730516	93.933	ng	0.00
79) Terphenyl-d14	12.992	244	3482297	87.134	ng	0.00

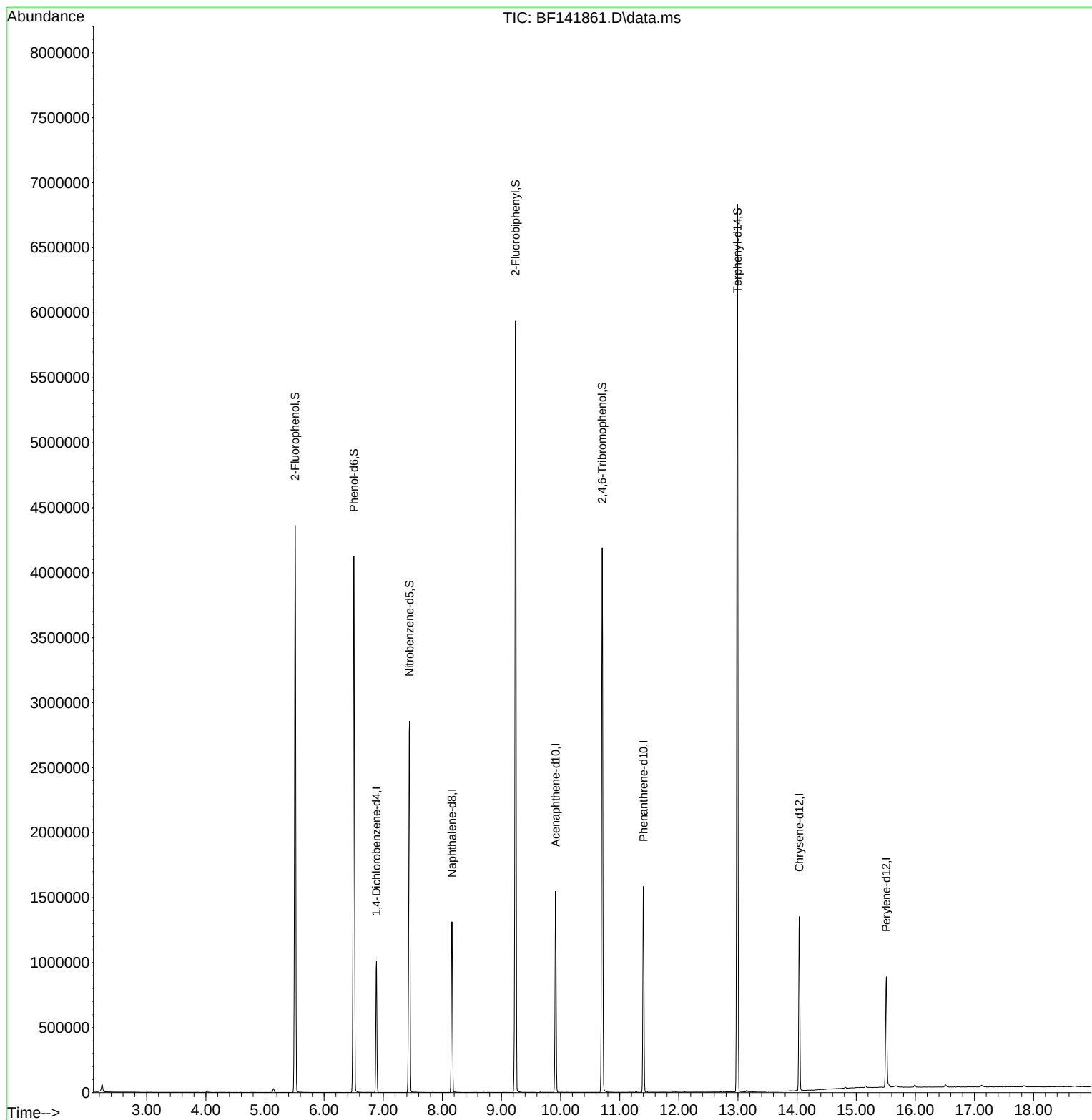
Target Compounds	Qvalue

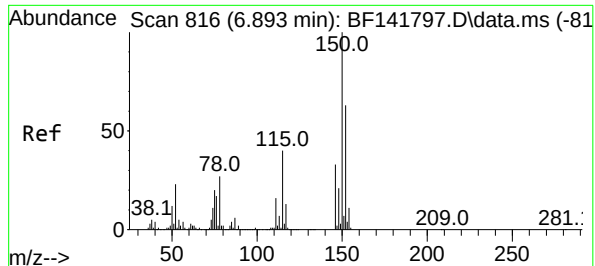
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141861.D
Acq On : 06 Mar 2025 11:21
Operator : RC/JU
Sample : PB166982BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166982BL

Quant Time: Mar 06 11:43:40 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

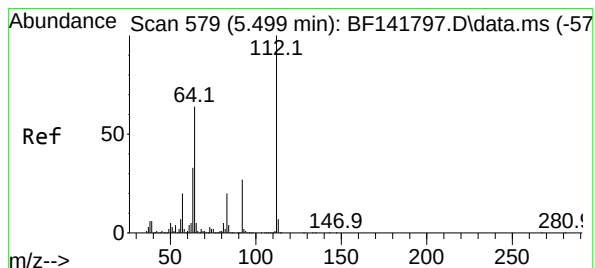
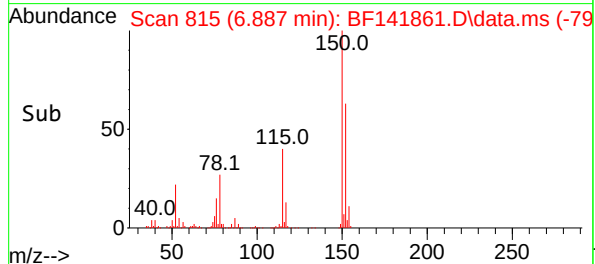
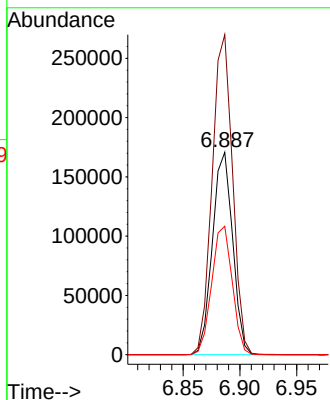
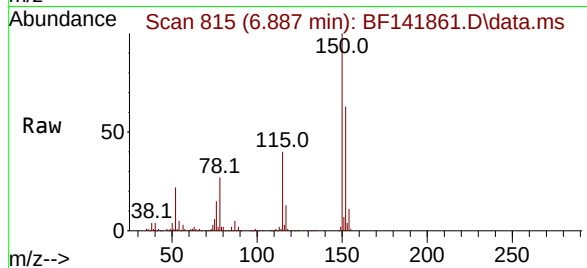




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

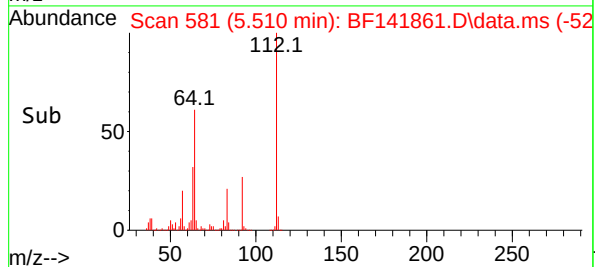
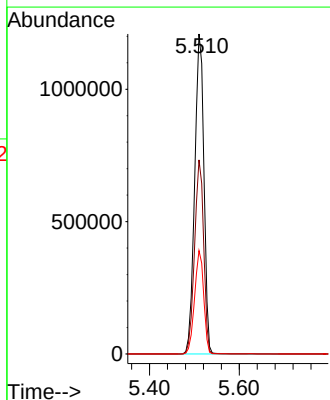
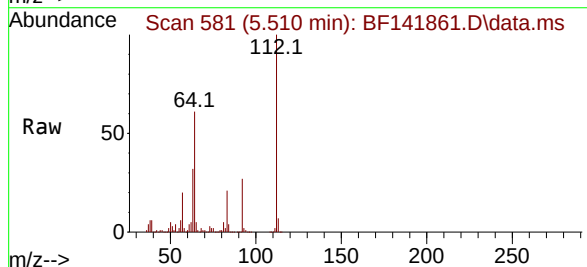
Instrument :
BNA_F
ClientSampleId :
PB166982BL

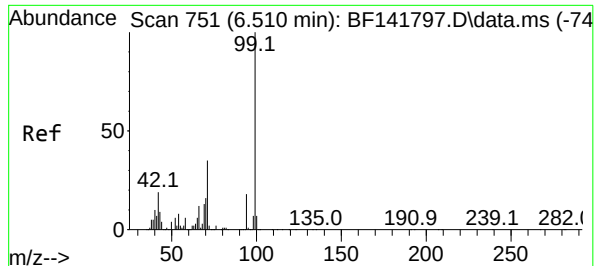
Tgt Ion:152 Resp: 212037
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 63.4 51.4 77.2



#5
2-Fluorophenol
Concen: 130.107 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

Tgt Ion:112 Resp: 1727468
Ion Ratio Lower Upper
112 100
64 60.7 51.3 76.9
63 32.3 26.2 39.4

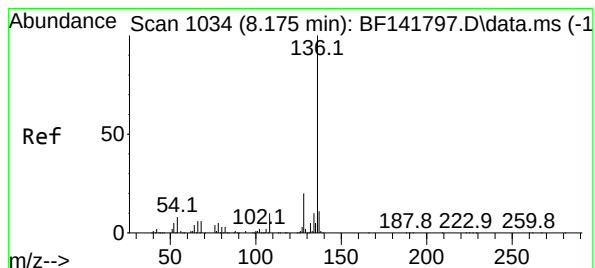
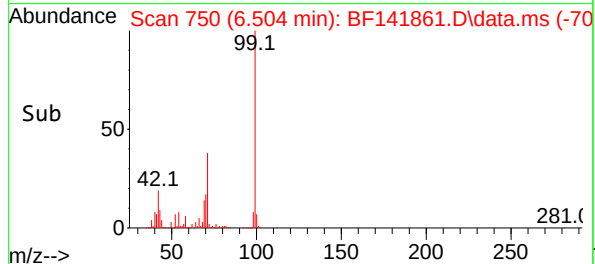
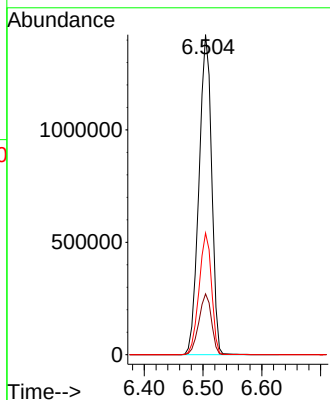
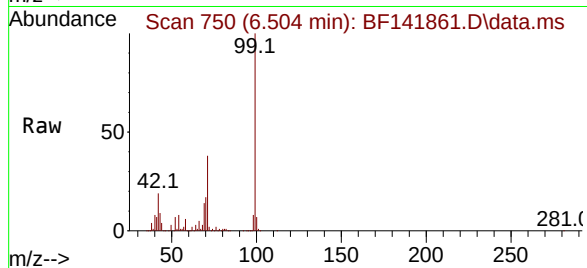




#7
Phenol-d6
Concen: 123.079 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

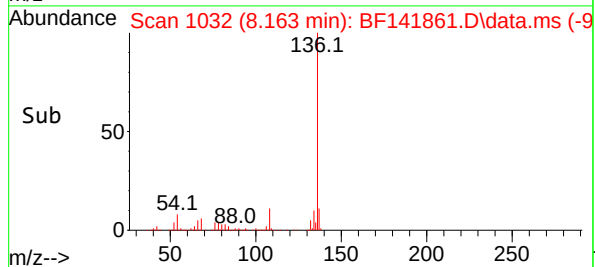
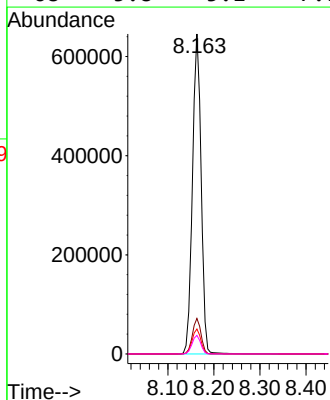
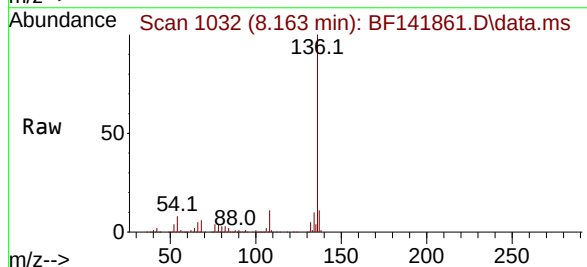
Instrument :
BNA_F
ClientSampleId :
PB166982BL

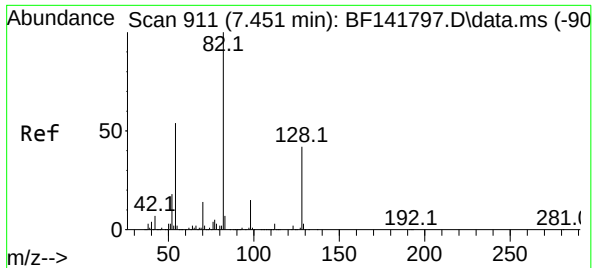
Tgt Ion: 99 Resp: 2126999
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 38.0 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

Tgt Ion: 136 Resp: 840031
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 6.9 10.3
68 5.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 108.662 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141861.D

Acq: 06 Mar 2025 11:21

Instrument :

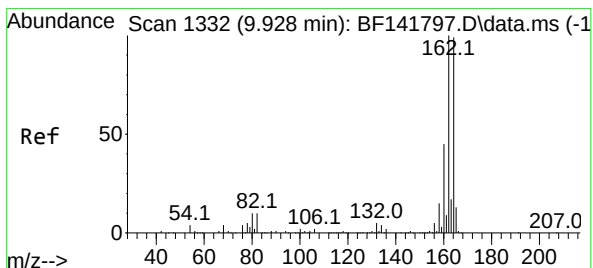
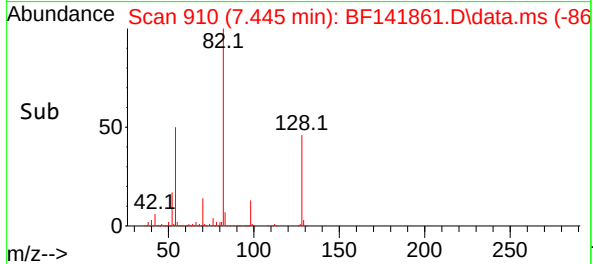
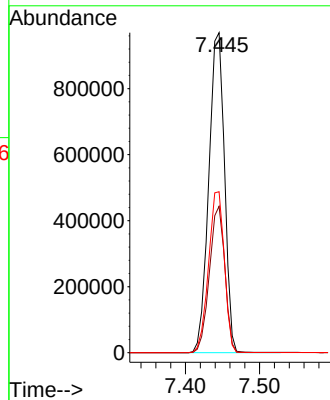
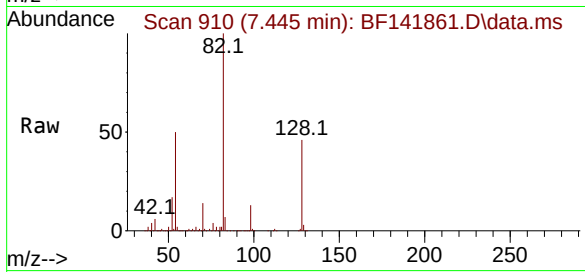
BNA_F

ClientSampleId :

PB166982BL

Tgt Ion: 82 Resp: 1428020

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.5	50.3
54	50.3	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

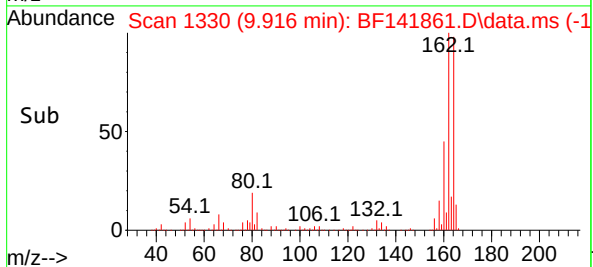
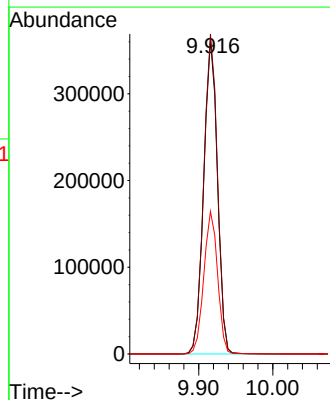
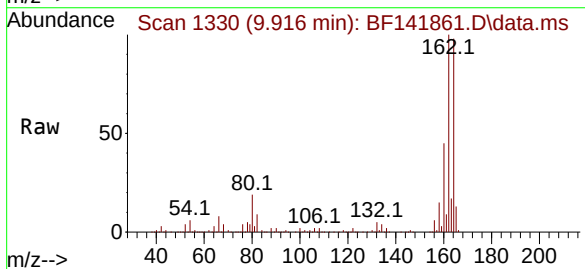
Delta R.T. -0.012 min

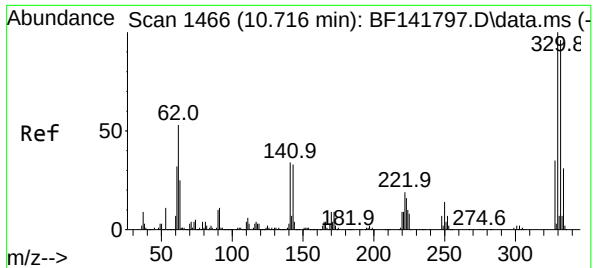
Lab File: BF141861.D

Acq: 06 Mar 2025 11:21

Tgt Ion: 164 Resp: 466101

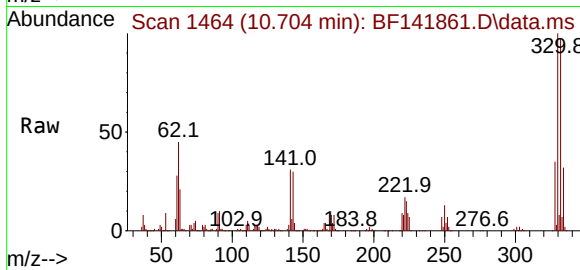
Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.4	36.3	54.5



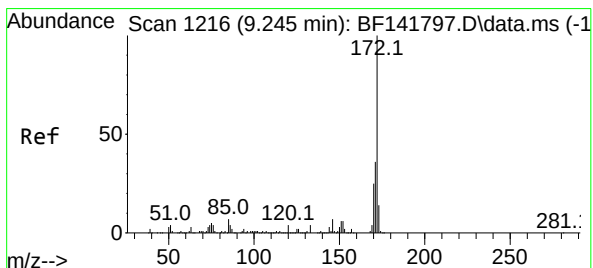
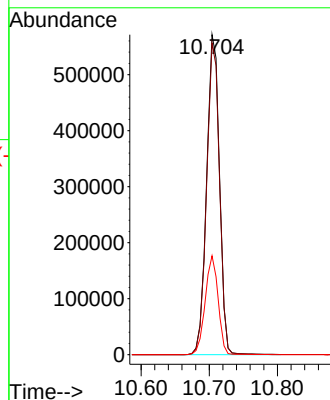
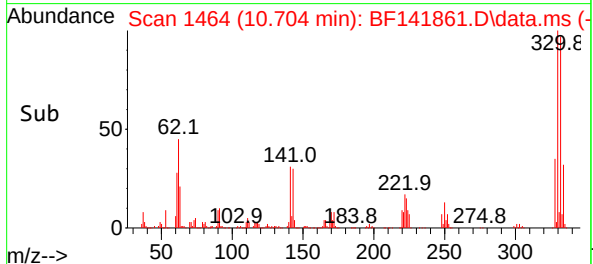


#42
2,4,6-Tribromophenol
Concen: 172.027 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

Instrument :
BNA_F
ClientSampleId :
PB166982BL

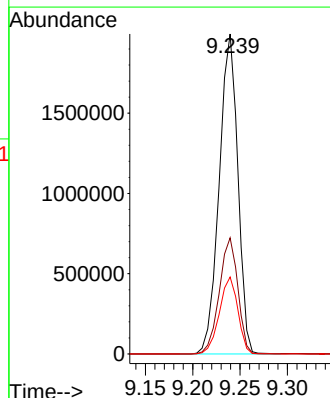
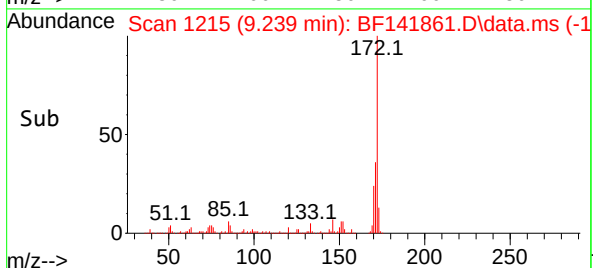
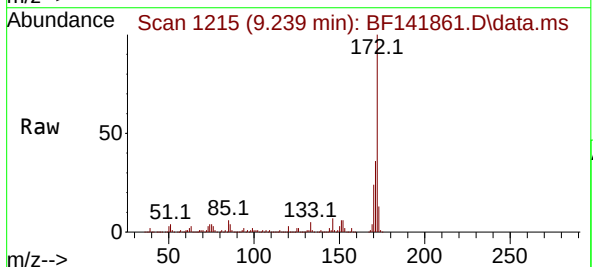


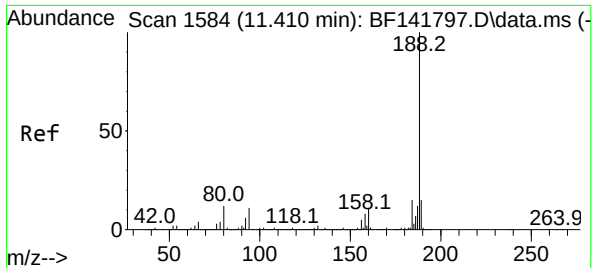
Tgt Ion:330 Resp: 752761
Ion Ratio Lower Upper
330 100
332 97.4 76.6 115.0
141 31.0 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 93.933 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

Tgt Ion:172 Resp: 2730516
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 24.1 19.7 29.5

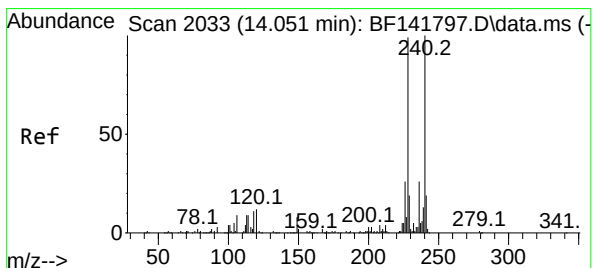
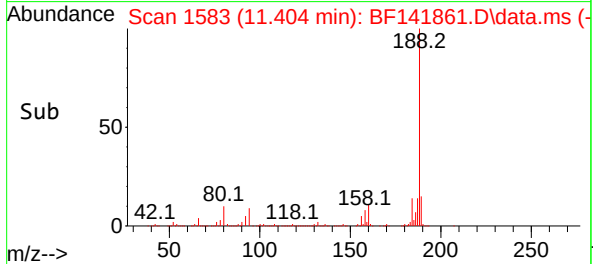
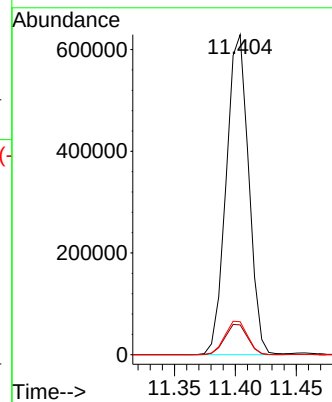
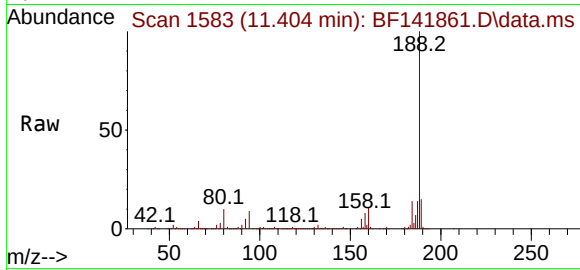




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

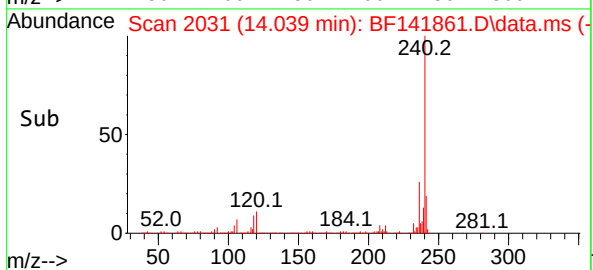
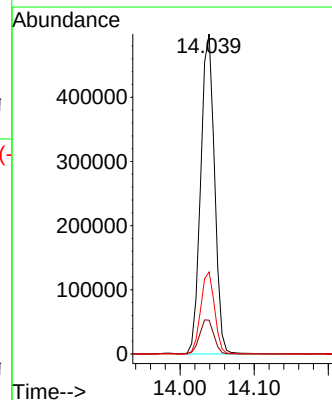
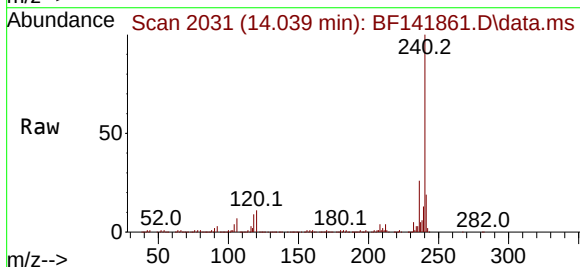
Instrument :
BNA_F
ClientSampleId :
PB166982BL

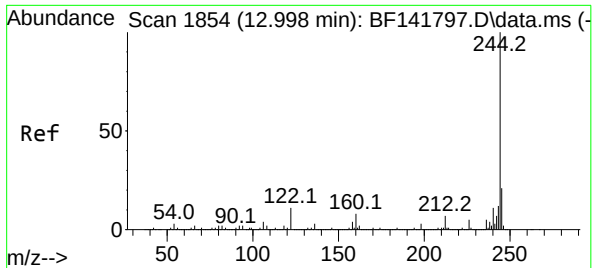
Tgt Ion:188 Resp: 808511
Ion Ratio Lower Upper
188 100
94 9.3 8.9 13.3
80 10.3 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

Tgt Ion:240 Resp: 646602
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 25.6 21.0 31.4





#79

Terphenyl-d14

Concen: 87.134 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141861.D

Acq: 06 Mar 2025 11:21

Instrument :

BNA_F

ClientSampleId :

PB166982BL

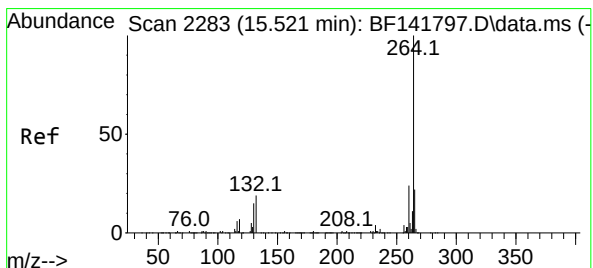
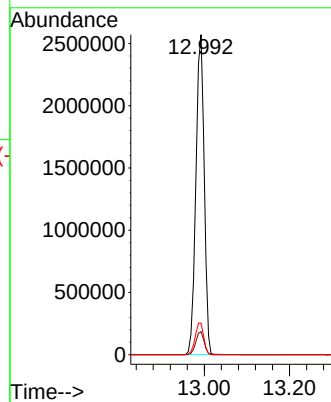
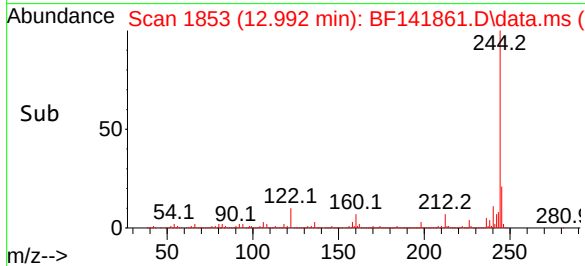
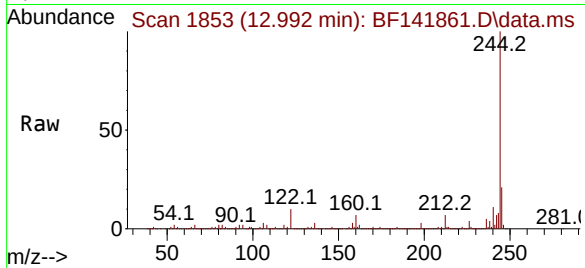
Tgt Ion:244 Resp: 3482297

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.8 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: BF141861.D

Acq: 06 Mar 2025 11:21

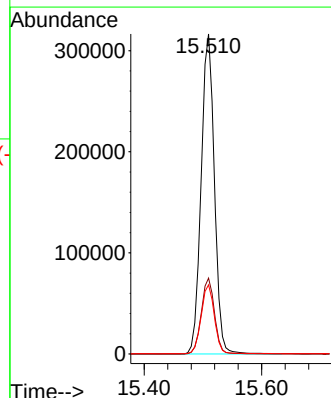
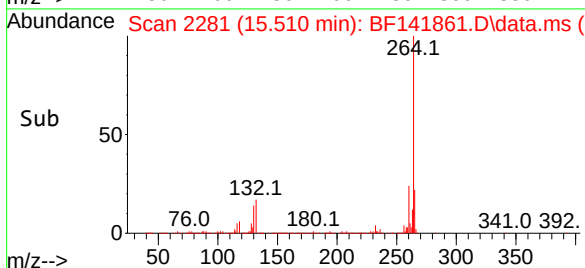
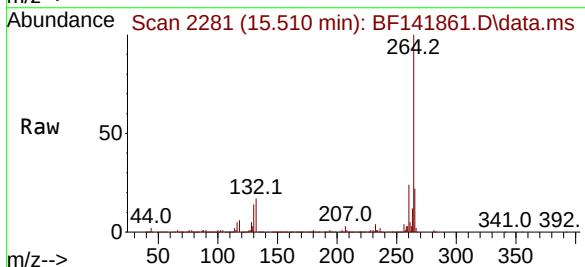
Tgt Ion:264 Resp: 495069

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141861.D
 Acq On : 06 Mar 2025 11:21
 Operator : RC/JU
 Sample : PB166982BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166982BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141861.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.246	16	26	32	rVB	55435	102945	1.11%	0.208%
2	5.510	574	581	586	rBV	4362587	6158250	66.30%	12.413%
3	6.504	743	750	755	rBV	4124259	6130832	66.00%	12.358%
4	6.887	809	815	820	rBV	1012818	1272257	13.70%	2.565%
5	7.445	903	910	915	rBV	2856844	4193404	45.14%	8.453%
6	8.163	1026	1032	1037	rBV	1313313	1694537	18.24%	3.416%
7	9.239	1208	1215	1220	rBV	5935221	8109581	87.30%	16.347%
8	9.916	1324	1330	1343	rBV	1547614	1993087	21.46%	4.018%
9	10.704	1457	1464	1469	rBV	4189751	5504064	59.25%	11.095%
10	11.404	1577	1583	1588	rBV	1582941	2040421	21.97%	4.113%
11	12.992	1846	1853	1858	rBV	6829406	9289114	100.00%	18.724%
12	14.039	2025	2031	2036	rBV	1339299	1749387	18.83%	3.526%
13	15.510	2274	2281	2297	rBV	850460	1372181	14.77%	2.766%

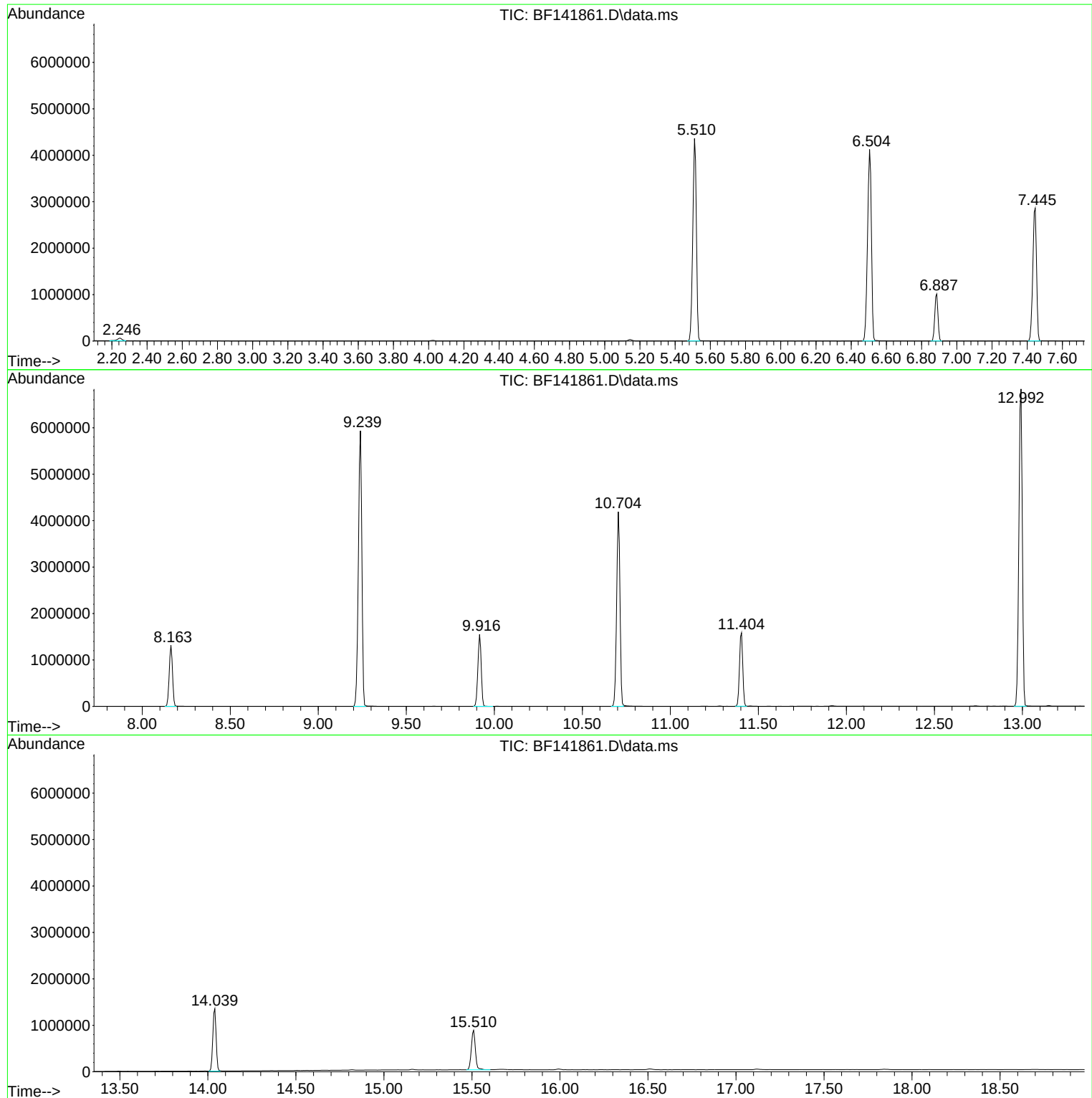
Sum of corrected areas: 49610060

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141861.D
Acq On : 06 Mar 2025 11:21
Operator : RC/JU
Sample : PB166982BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166982BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141861.D
Acq On : 06 Mar 2025 11:21
Operator : RC/JU
Sample : PB166982BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166982BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141861.D
Acq On : 06 Mar 2025 11:21
Operator : RC/JU
Sample : PB166982BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166982BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BS	SDG No.:	Q1478
Lab Sample ID:	PB166982BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141862.D	1	03/05/25 08:35	03/06/25 11:51	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	23.3		4.00	10.0	ug/L
108-95-2	Phenol	42.4		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.9		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	45.4		0.71	5.00	ug/L
95-48-7	2-Methylphenol	44.3		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	36.4		1.40	5.00	ug/L
98-86-2	Acetophenone	47.1		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.7		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.7		1.50	2.50	ug/L
67-72-1	Hexachloroethane	44.5		1.00	5.00	ug/L
98-95-3	Nitrobenzene	48.9		1.30	5.00	ug/L
78-59-1	Isophorone	43.6		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	53.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.2		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.9		0.88	5.00	ug/L
91-20-3	Naphthalene	43.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.7		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.6		1.30	5.00	ug/L
105-60-2	Caprolactam	52.3		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.3		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.8		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.6		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	47.9		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.4		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	51.2		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.93	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BS	SDG No.:	Q1478
Lab Sample ID:	PB166982BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141862.D	1	03/05/25 08:35	03/06/25 11:51	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.8		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	51.2		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	33.7		1.40	5.00	ug/L
83-32-9	Acenaphthene	51.2		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	120	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	42.9		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.4		1.50	5.00	ug/L
84-66-2	Diethylphthalate	43.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.9		0.98	5.00	ug/L
86-73-7	Fluorene	44.9		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	61.3		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	59.9		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	47.3		1.10	5.00	ug/L
1912-24-9	Atrazine	64.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	97.7	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	45.5		0.89	5.00	ug/L
120-12-7	Anthracene	45.8		1.10	5.00	ug/L
86-74-8	Carbazole	45.6		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	43.1		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.5		1.30	5.00	ug/L
129-00-0	Pyrene	44.0		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	28.5		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.6		0.94	5.00	ug/L
218-01-9	Chrysene	45.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.6		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.1		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.0		1.10	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BS	SDG No.:	Q1478
Lab Sample ID:	PB166982BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141862.D	1	03/05/25 08:35	03/06/25 11:51	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.4		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	48.1		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.9		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.9		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.7		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.9		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	39.6		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	177	*	15 (44) - 110 (137)	118%	SPK: 150
1718-51-0	Terphenyl-d14	99.9		30 (48) - 130 (125)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	210000	6.887			
1146-65-2	Naphthalene-d8	832000	8.163			
15067-26-2	Acenaphthene-d10	457000	9.922			
1517-22-2	Phenanthrene-d10	789000	11.404			
1719-03-5	Chrysene-d12	533000	14.045			
1520-96-3	Perylene-d12	432000	15.51			

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\BF030625\
 Data File : BF141862.D
 Acq On : 06 Mar 2025 11:51
 Operator : RC/JU
 Sample : PB166982BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 06 15:47:22 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 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	210095	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	832298	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	456822	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	789268	20.000	ng	0.00
76) Chrysene-d12	14.045	240	533191	20.000	ng	0.00
86) Perylene-d12	15.510	264	432459	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1718685	130.642	ng	0.02
7) Phenol-d6	6.510	99	2131309	124.468	ng	0.00
23) Nitrobenzene-d5	7.445	82	1424866	109.429	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	757115	176.536	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2698143	94.705	ng	0.00
79) Terphenyl-d14	12.992	244	3290875	99.859	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	236649	39.644	ng	96
3) Pyridine	3.528	79	571968	38.510	ng	96
4) n-Nitrosodimethylamine	3.469	42	298504	41.770	ng	# 98
6) Aniline	6.546	93	654827	36.784	ng	99
8) 2-Chlorophenol	6.669	128	646113	45.401	ng	95
9) Benzaldehyde	6.434	77	232462	23.339	ng	99
10) Phenol	6.522	94	775445	42.379	ng	97
11) bis(2-Chloroethyl)ether	6.622	93	584519	41.908	ng	96
12) 1,3-Dichlorobenzene	6.828	146	671014	44.028	ng	100
13) 1,4-Dichlorobenzene	6.904	146	680898	44.340	ng	100
14) 1,2-Dichlorobenzene	7.057	146	656843	45.806	ng	98
15) Benzyl Alcohol	7.022	79	576121	42.099	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	771714	36.433	ng	96
17) 2-Methylphenol	7.134	107	520475	44.307	ng	99
18) Hexachloroethane	7.398	117	255823	44.509	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	446393	39.657	ng	97
20) 3+4-Methylphenols	7.281	107	638973	43.683	ng	93
22) Acetophenone	7.293	105	955429	47.133	ng	99
24) Nitrobenzene	7.463	77	682517	48.949	ng	100
25) Isophorone	7.704	82	1219271	43.587	ng	98
26) 2-Nitrophenol	7.781	139	334090	53.102	ng	97
27) 2,4-Dimethylphenol	7.810	122	564747	54.921	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	735247	41.203	ng	99
29) 2,4-Dichlorophenol	8.016	162	532866	44.919	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	579819	44.605	ng	100
31) Naphthalene	8.187	128	1846658	43.170	ng	99
32) Benzoic acid	7.928	122	455664	52.276	ng	99
33) 4-Chloroaniline	8.234	127	309388	19.726	ng	98
34) Hexachlorobutadiene	8.304	225	376266	46.581	ng	98
35) Caprolactam	8.598	113	191039m	52.349	ng	
36) 4-Chloro-3-methylphenol	8.710	107	583807	44.302	ng	98
37) 2-Methylnaphthalene	8.875	142	1173483	41.824	ng	100
38) 1-Methylnaphthalene	8.975	142	1154869	42.897	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	645530	48.928	ng	99
41) Hexachlorocyclopentadiene	9.034	237	868319	157.703	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	400502	46.993	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141862.D
 Acq On : 06 Mar 2025 11:51
 Operator : RC/JU
 Sample : PB166982BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 06 15:47:22 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 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	409928	48.574	ng	98
46) 1,1'-Biphenyl	9.339	154	1666460	47.926	ng	99
47) 2-Chloronaphthalene	9.369	162	1139340	44.395	ng	99
48) 2-Nitroaniline	9.457	65	361580	51.157	ng	96
49) Acenaphthylene	9.781	152	1799062	46.755	ng	99
50) Dimethylphthalate	9.645	163	1371047	44.817	ng	100
51) 2,6-Dinitrotoluene	9.704	165	301079	51.243	ng	92
52) Acenaphthene	9.957	154	1330436	51.243	ng	99
53) 3-Nitroaniline	9.869	138	204507	33.745	ng	# 94
54) 2,4-Dinitrophenol	9.975	184	360919	116.229	ng	# 1
55) Dibenzofuran	10.128	168	1621177	42.900	ng	100
56) 4-Nitrophenol	10.028	139	551414	122.039	ng	95
57) 2,4-Dinitrotoluene	10.104	165	415457	57.376	ng	95
58) Fluorene	10.469	166	1272097	44.940	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354982	48.365	ng	99
60) Diethylphthalate	10.345	149	1341179	43.731	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	636689	44.893	ng	99
62) 4-Nitroaniline	10.486	138	320025	61.255	ng	97
63) Azobenzene	10.622	77	1309765	40.561	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	231430	59.852	ng	94
66) n-Nitrosodiphenylamine	10.581	169	1129867	43.596	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	409102	44.376	ng	98
68) Hexachlorobenzene	11.016	284	460465	47.300	ng	97
69) Atrazine	11.104	200	456998	64.122	ng	100
70) Pentachlorophenol	11.210	266	603121	97.683	ng	100
71) Phenanthrene	11.433	178	1919079	45.456	ng	99
72) Anthracene	11.486	178	1936157	45.759	ng	100
73) Carbazole	11.633	167	1703875	45.601	ng	100
74) Di-n-butylphthalate	11.969	149	2042563	43.126	ng	100
75) Fluoranthene	12.616	202	2010701	46.480	ng	98
77) Benzidine	12.739	184	703765	104.868	ng	100
78) Pyrene	12.851	202	2033437	44.041	ng	99
80) Butylbenzylphthalate	13.463	149	779324	46.457	ng	98
81) Benzo(a)anthracene	14.033	228	1606850	45.626	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	287502	28.453	ng	99
83) Chrysene	14.069	228	1461304	45.012	ng	100
84) Bis(2-ethylhexyl)phtha...	14.022	149	973167	46.591	ng	99
85) Di-n-octyl phthalate	14.633	149	1411858	45.149	ng	97
87) Indeno(1,2,3-cd)pyrene	17.004	276	1400520	50.858	ng	97
88) Benzo(b)fluoranthene	15.080	252	1324873	44.975	ng	99
89) Benzo(k)fluoranthene	15.110	252	1110972	44.371	ng	99
90) Benzo(a)pyrene	15.451	252	1135461	48.062	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	1121408	49.889	ng	97
92) Benzo(g,h,i)perylene	17.457	276	1098929	47.722	ng	97

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

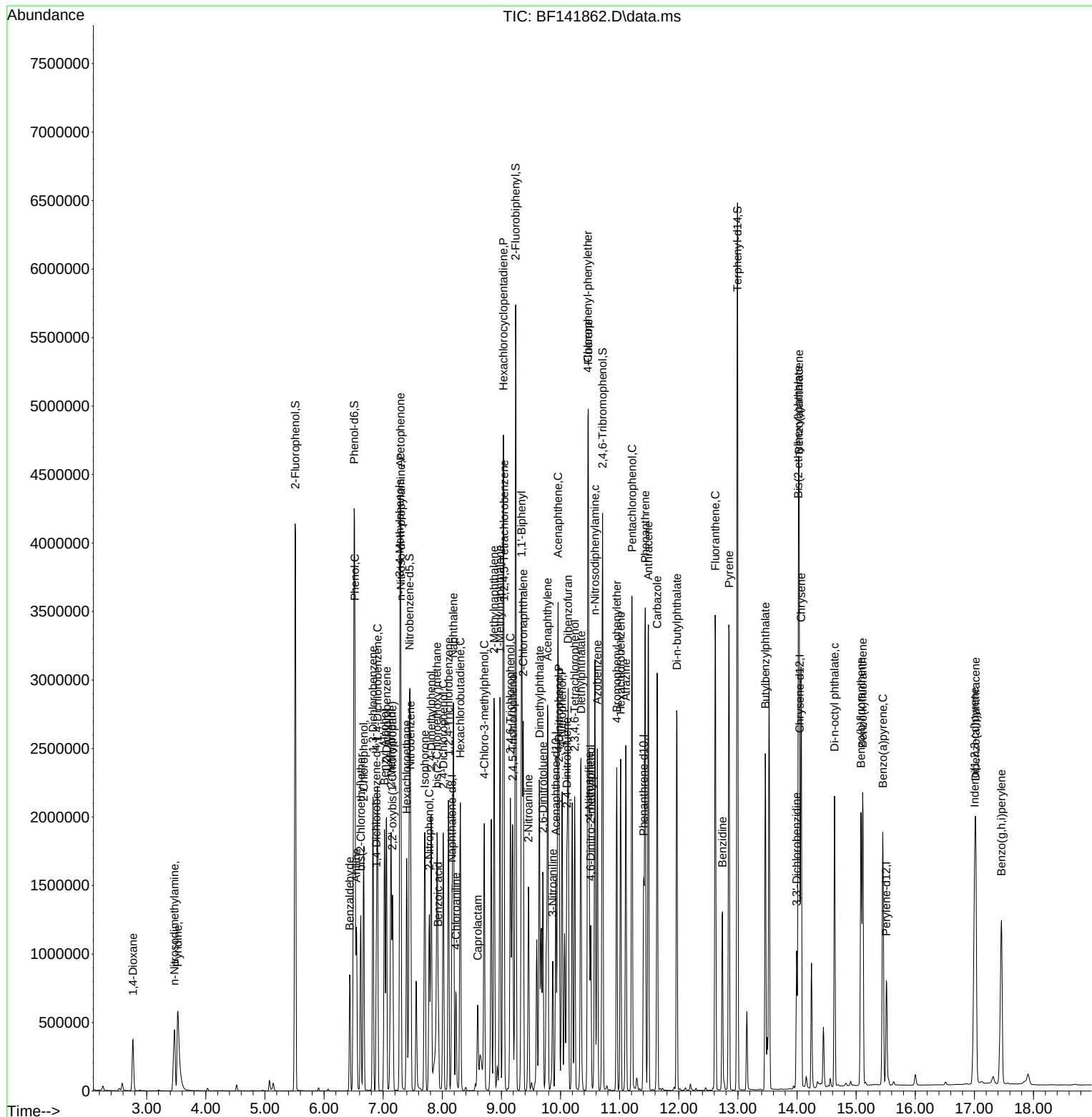
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Data File : BF141862.D
Acq On : 06 Mar 2025 11:51
Operator : RC/JU
Sample : PB166982BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

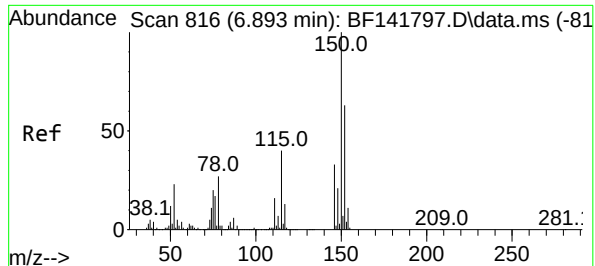
Instrument :
BNA_F
ClientSampleId :
PB166982BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jaqrut Upadhyay 03/07/2025

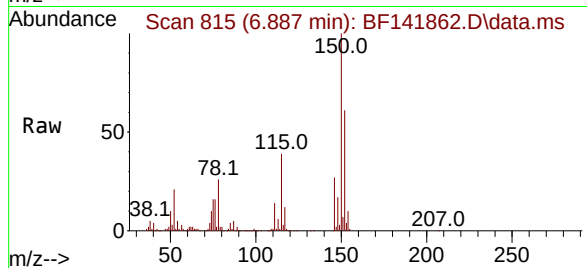
Quant Time: Mar 06 15:47:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

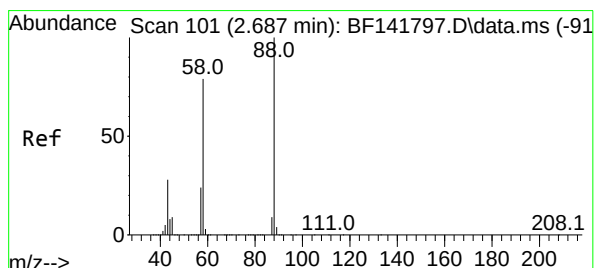
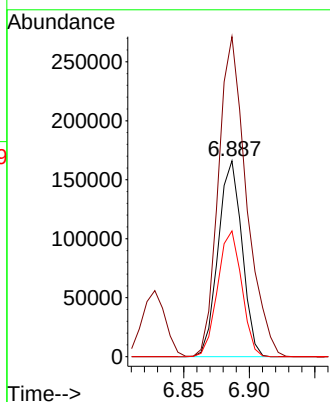
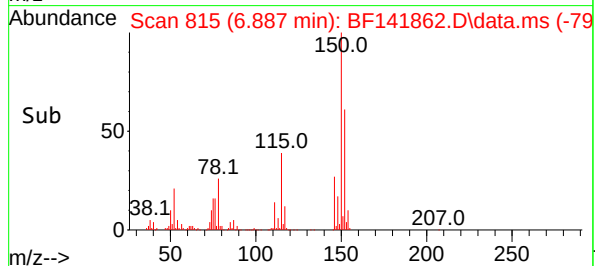
Instrument :
BNA_F
ClientSampleId :
PB166982BS



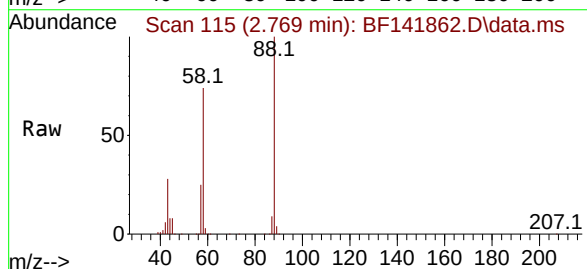
Tgt Ion:152 Resp: 210095
Ion Ratio Lower Upper
152 100
150 163.4 127.5 191.3
115 64.2 51.4 77.2

Manual Integrations
APPROVED

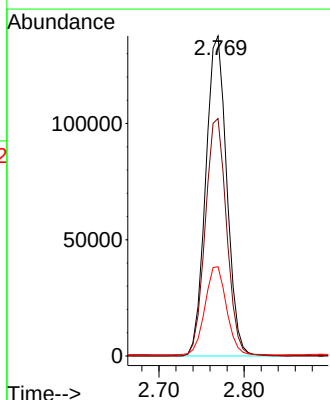
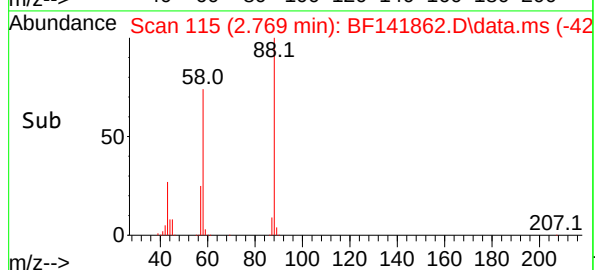
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

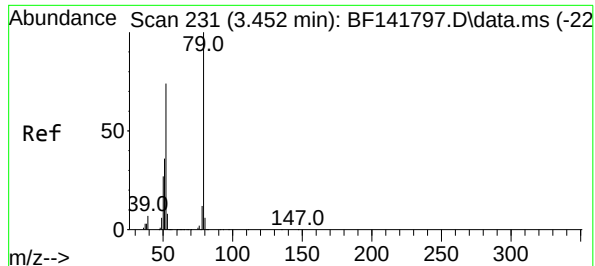


#2
1,4-Dioxane
Concen: 39.644 ng
RT: 2.769 min Scan# 115
Delta R.T. 0.082 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



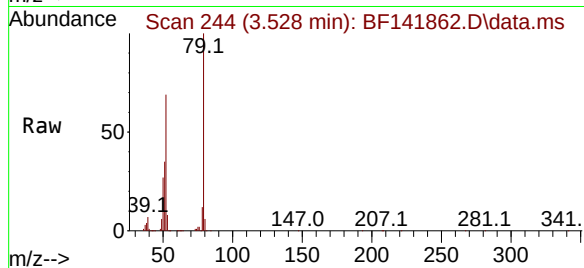
Tgt Ion: 88 Resp: 236649
Ion Ratio Lower Upper
88 100
58 75.5 63.9 95.9
43 28.2 23.0 34.6





#3
Pyridine
Concen: 38.510 ng
RT: 3.528 min Scan# 244
Delta R.T. 0.076 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

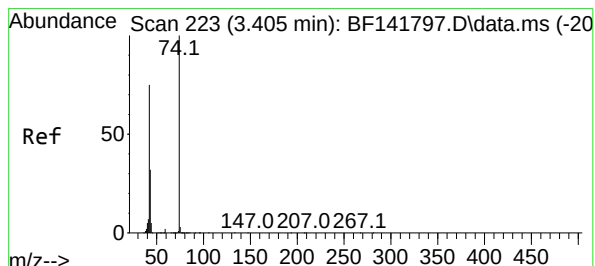
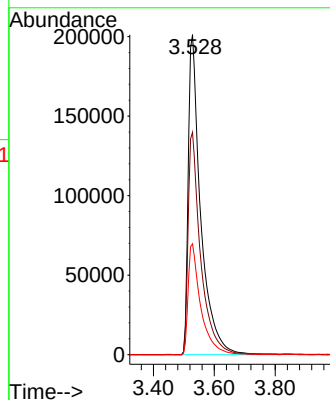
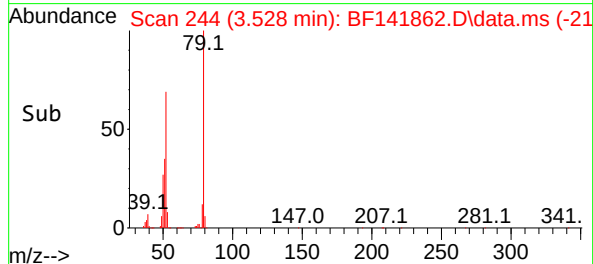
Instrument :
BNA_F
ClientSampleId :
PB166982BS



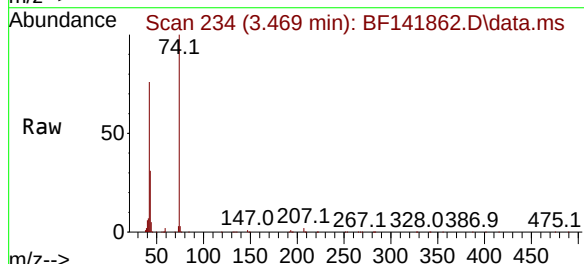
Tgt Ion: 79 Resp: 571968
Ion Ratio Lower Upper
79 100
52 69.5 59.0 88.4
51 34.7 29.0 43.4

Manual Integrations
APPROVED

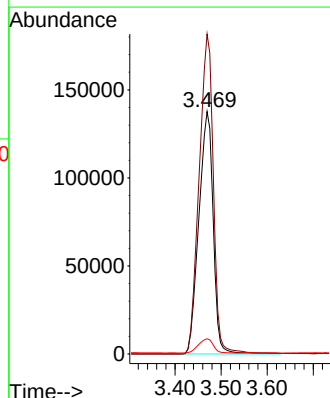
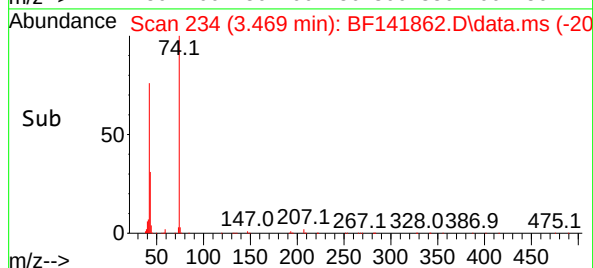
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

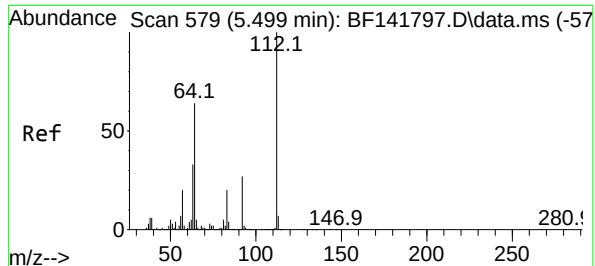


#4
n-Nitrosodimethylamine
Concen: 41.770 ng
RT: 3.469 min Scan# 234
Delta R.T. 0.065 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



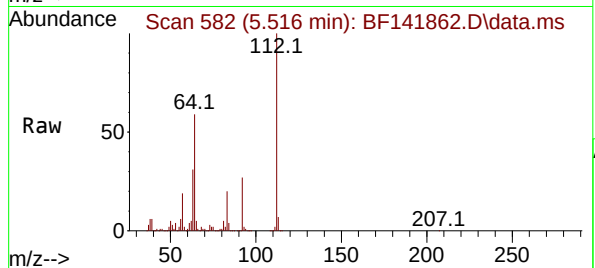
Tgt Ion: 42 Resp: 298504
Ion Ratio Lower Upper
42 100
74 132.0 107.1 160.7
44 6.3 6.6 9.8





#5
2-Fluorophenol
Concen: 130.642 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

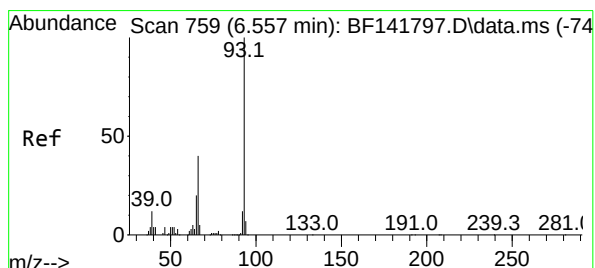
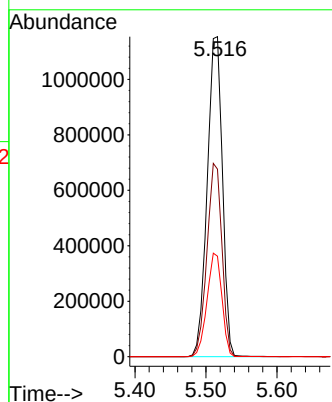
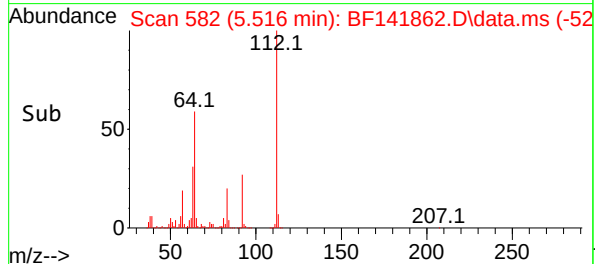
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion: 112 Resp: 171868
Ion Ratio Lower Upper
112 100
64 58.6 51.3 76.9
63 31.4 26.2 39.4

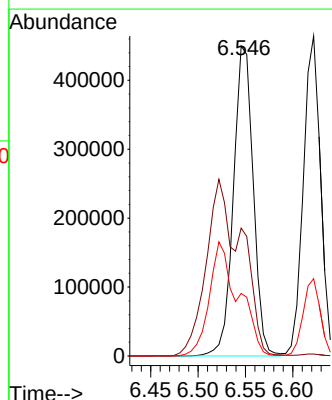
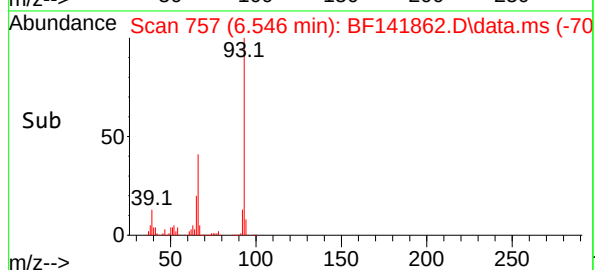
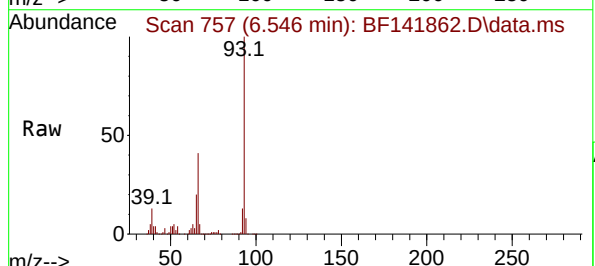
Manual Integrations
APPROVED

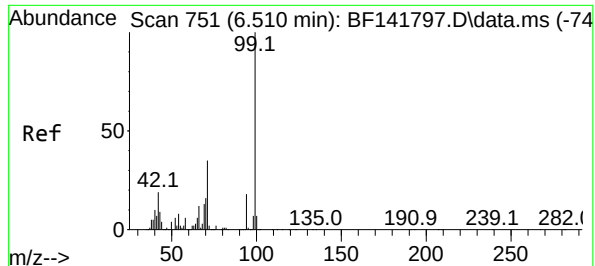
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#6
Aniline
Concen: 36.784 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

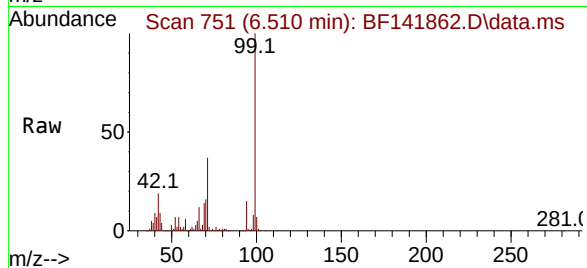
Tgt Ion: 93 Resp: 654827
Ion Ratio Lower Upper
93 100
66 41.2 32.3 48.5
65 20.2 15.9 23.9





#7
Phenol-d6
Concen: 124.468 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

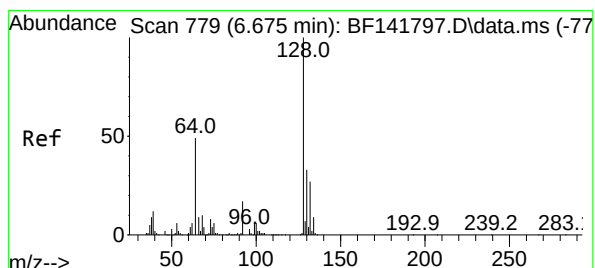
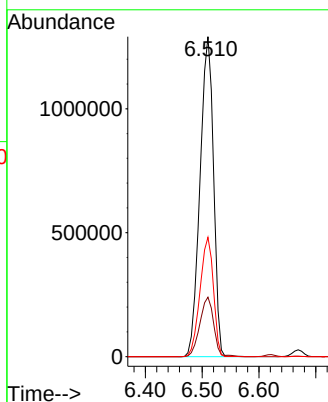
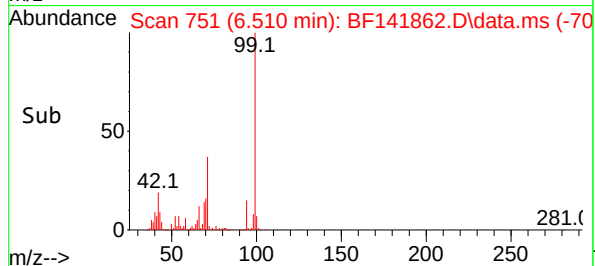
Instrument :
BNA_F
ClientSampleId :
PB166982BS



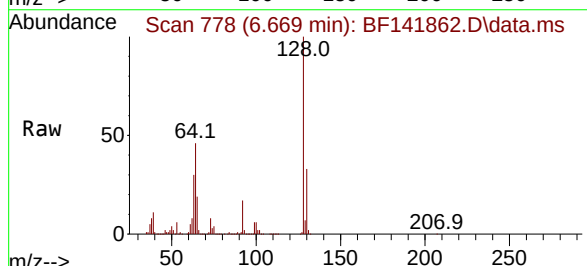
Tgt Ion: 99 Resp: 2131309
Ion Ratio Lower Upper
99 100
42 18.6 15.2 22.8
71 37.3 28.2 42.2

Manual Integrations
APPROVED

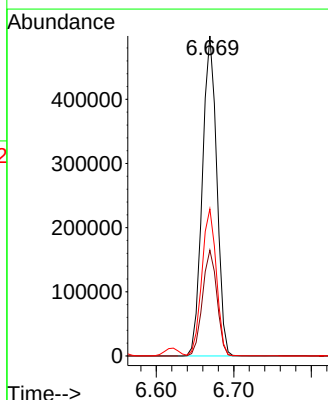
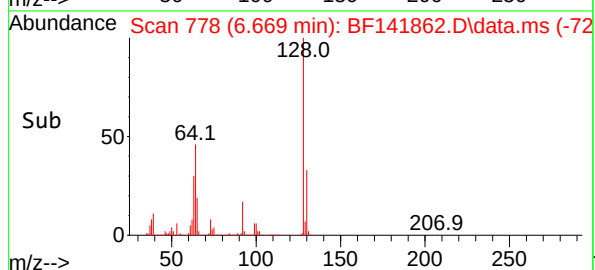
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

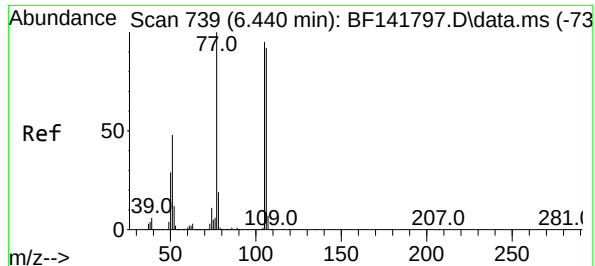


#8
2-Chlorophenol
Concen: 45.401 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



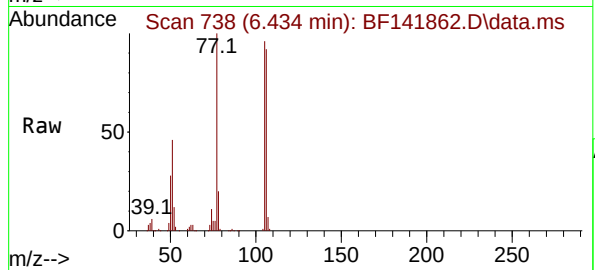
Tgt Ion:128 Resp: 646113
Ion Ratio Lower Upper
128 100
130 33.1 12.6 52.6
64 46.0 31.1 71.1





#9
Benzaldehyde
Concen: 23.339 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

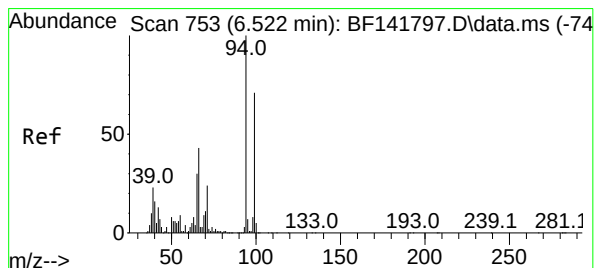
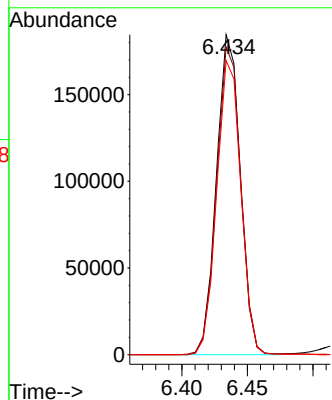
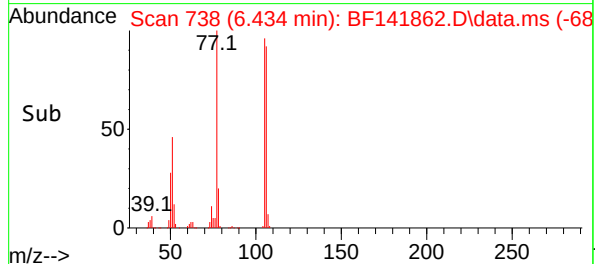
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion: 77 Resp: 232462
Ion Ratio Lower Upper
77 100
105 96.2 75.3 115.3
106 91.9 72.3 112.3

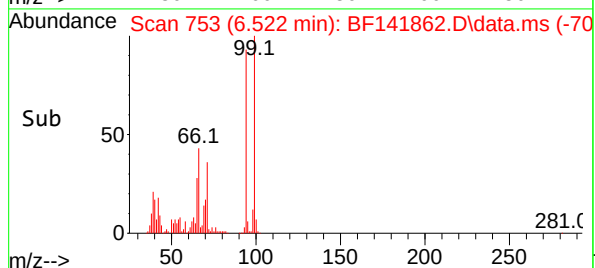
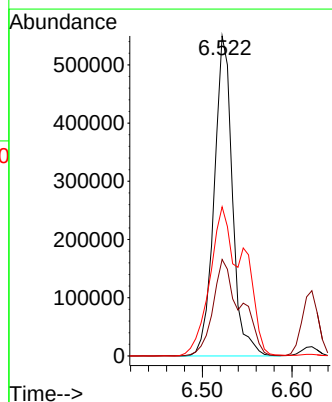
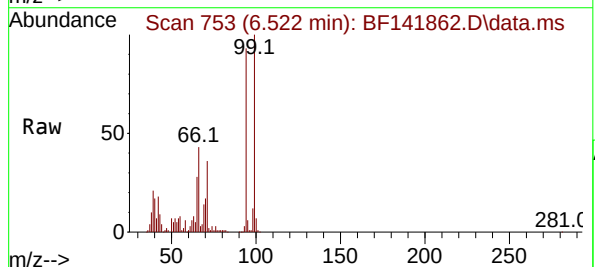
Manual Integrations
APPROVED

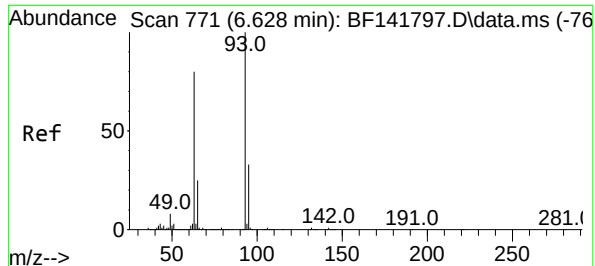
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#10
Phenol
Concen: 42.379 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

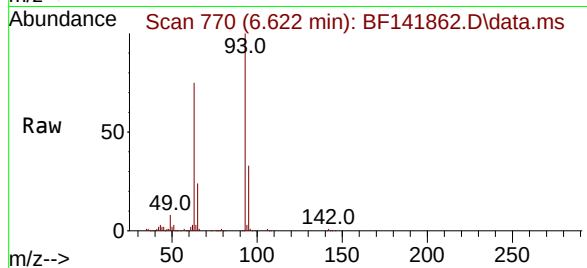
Tgt Ion: 94 Resp: 775445
Ion Ratio Lower Upper
94 100
65 30.1 10.2 50.2
66 46.6 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 41.908 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

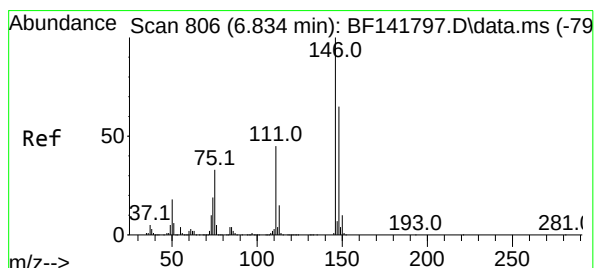
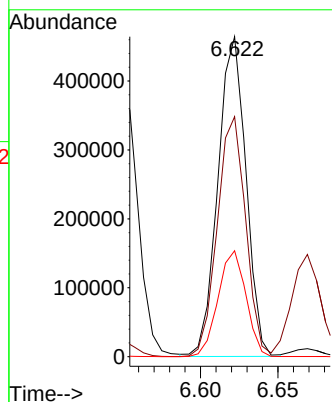
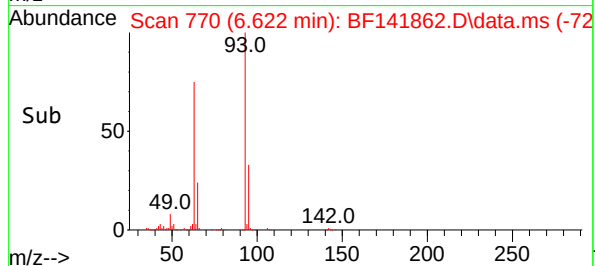
Instrument :
BNA_F
ClientSampleId :
PB166982BS



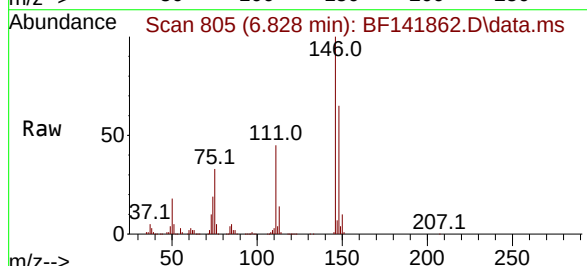
Tgt Ion: 93 Resp: 584519
Ion Ratio Lower Upper
93 100
63 75.0 59.3 99.3
95 33.1 13.2 53.2

Manual Integrations
APPROVED

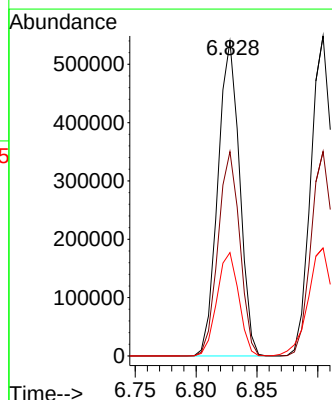
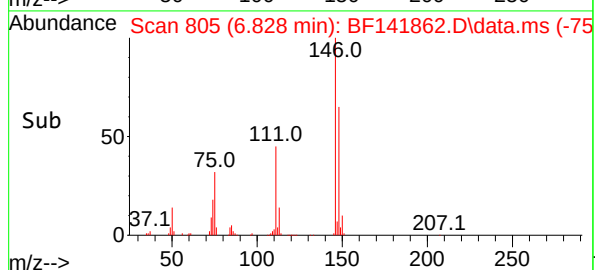
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

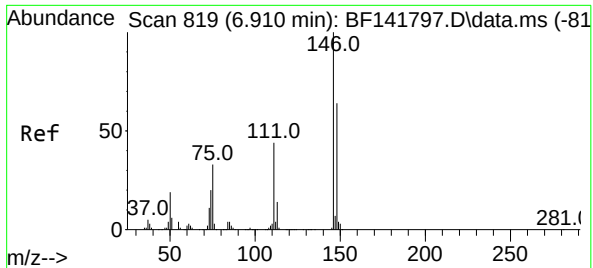


#12
1,3-Dichlorobenzene
Concen: 44.028 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



Tgt Ion:146 Resp: 671014
Ion Ratio Lower Upper
146 100
148 64.9 51.8 77.6
75 32.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 44.340 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:146 Resp: 680898

Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

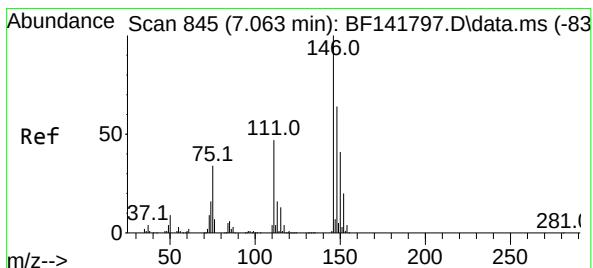
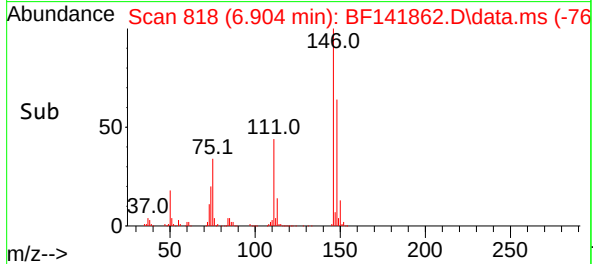
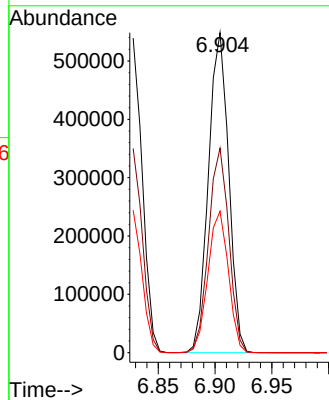
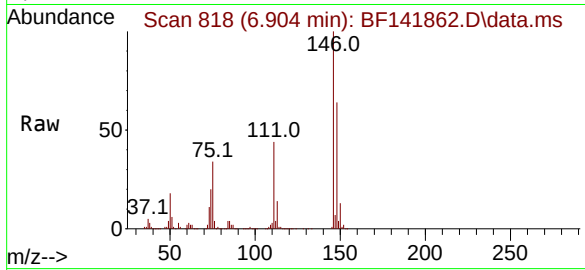
111 44.2 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#14

1,2-Dichlorobenzene

Concen: 45.806 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

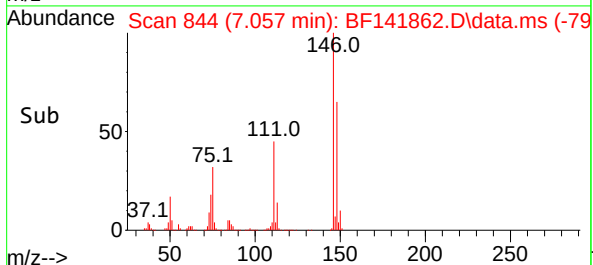
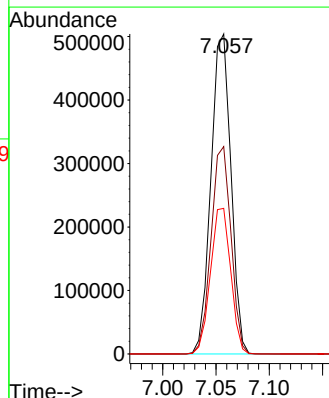
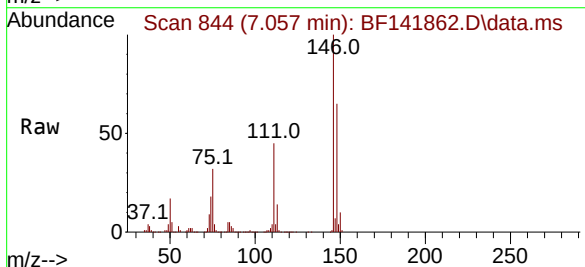
Tgt Ion:146 Resp: 656843

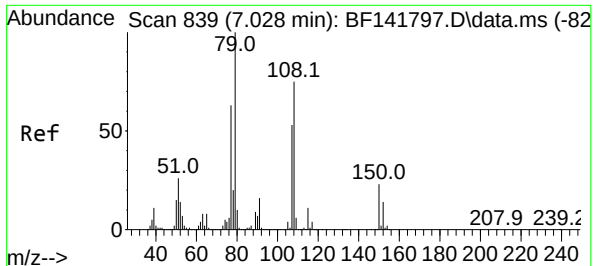
Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

111 45.5 37.8 56.6





#15

Benzyl Alcohol

Concen: 42.099 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion: 79 Resp: 57612

Ion Ratio Lower Upper

79 100

108 75.1 60.2 90.2

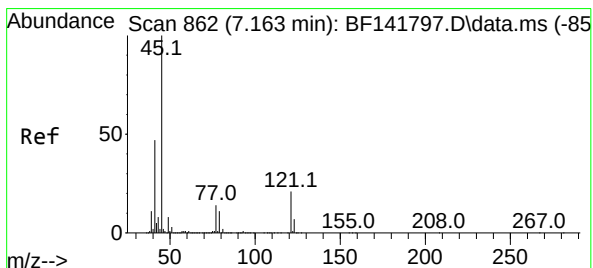
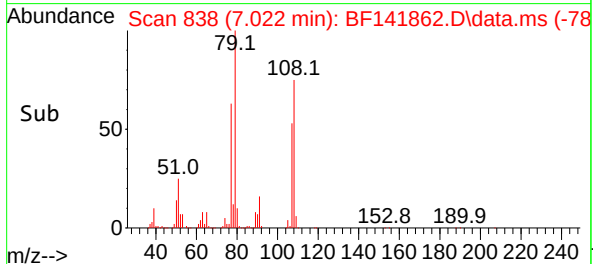
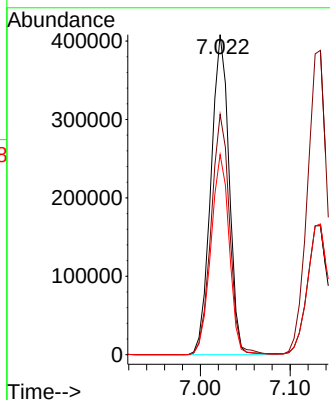
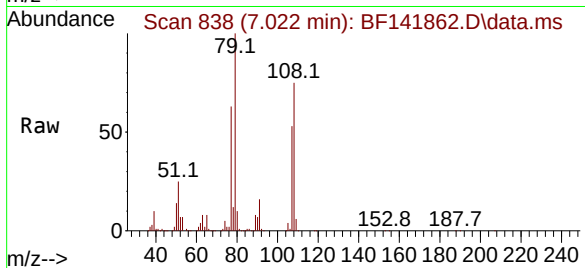
77 62.5 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.433 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

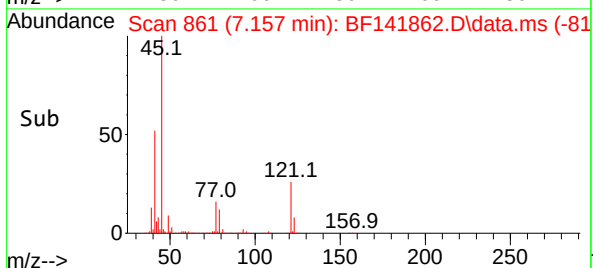
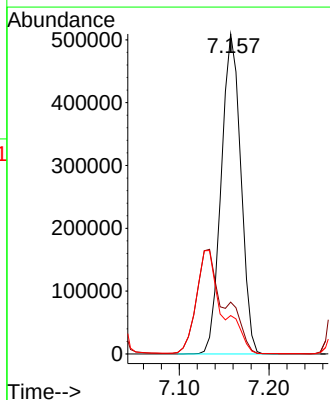
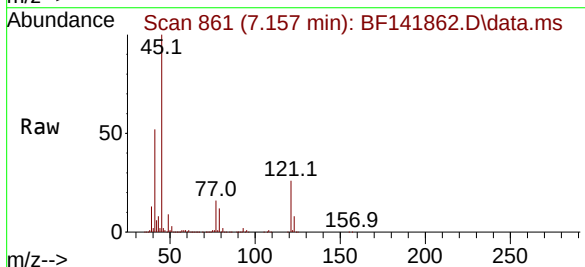
Tgt Ion: 45 Resp: 771714

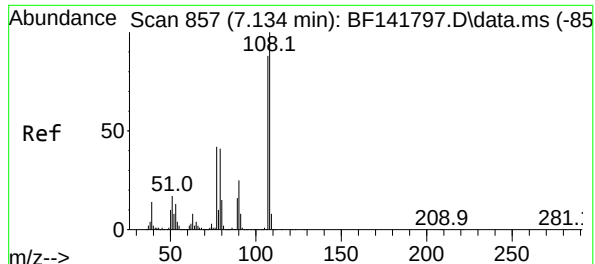
Ion Ratio Lower Upper

45 100

77 16.2 0.0 34.4

79 12.0 0.0 30.9





#17

2-Methylphenol

Concen: 44.307 ng

RT: 7.134 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:107 Resp: 520479

Ion Ratio Lower Upper

107 100

108 111.6 90.6 135.8

77 47.9 37.7 56.5

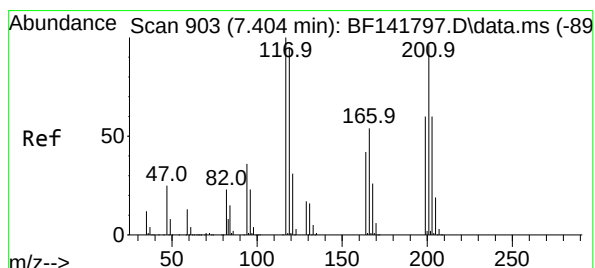
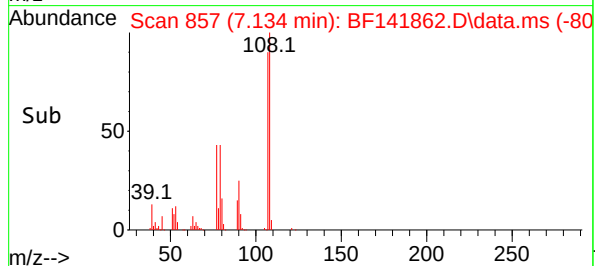
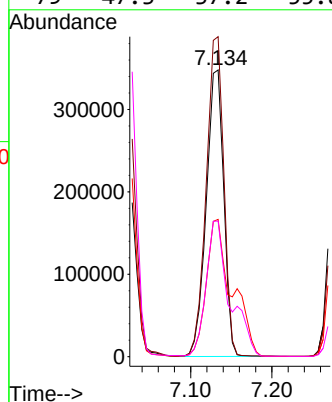
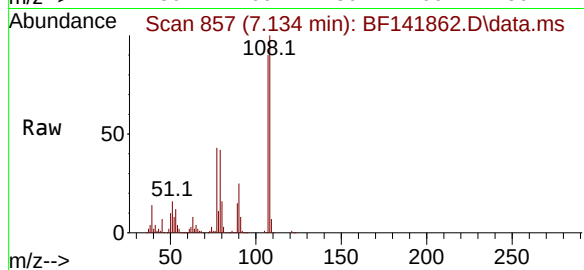
79 47.3 37.2 55.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#18

Hexachloroethane

Concen: 44.509 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

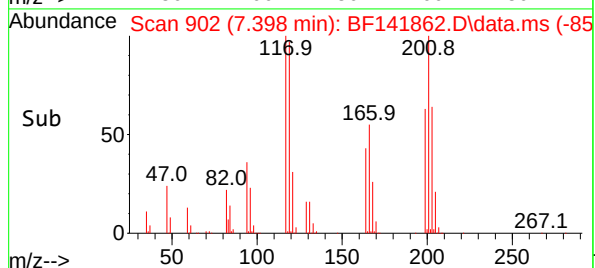
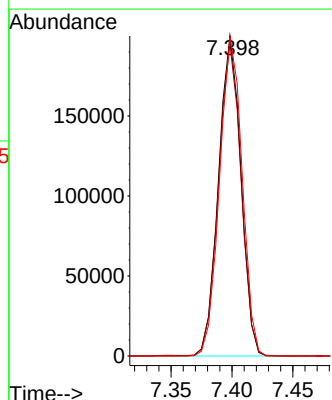
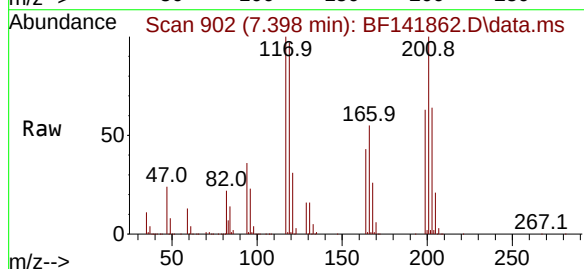
Tgt Ion:117 Resp: 255823

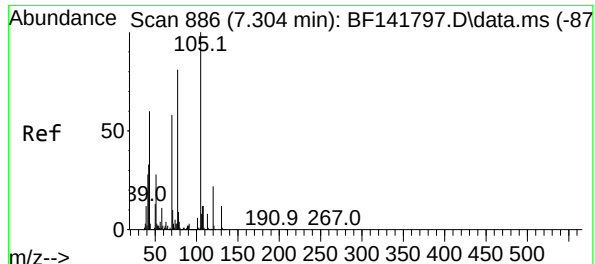
Ion Ratio Lower Upper

117 100

119 97.5 75.8 113.8

201 99.7 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 39.657 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion: 70 Resp: 44639

Ion Ratio Lower Upper

70 100

42 54.7 45.4 68.0

101 10.1 7.8 11.8

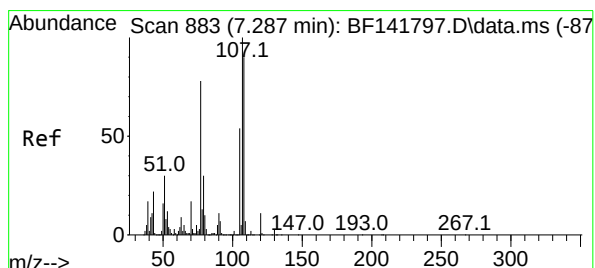
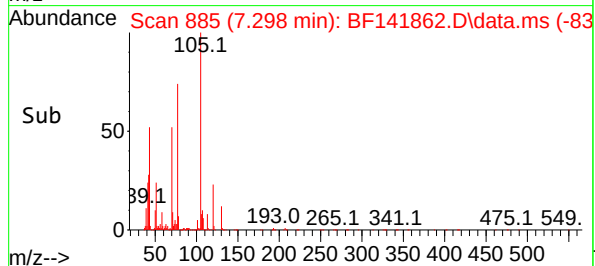
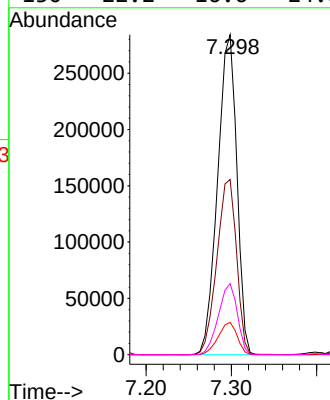
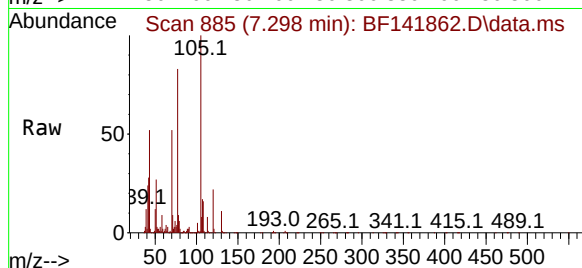
130 22.2 16.6 24.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#20

3+4-Methylphenols

Concen: 43.683 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Tgt Ion:107 Resp: 638973

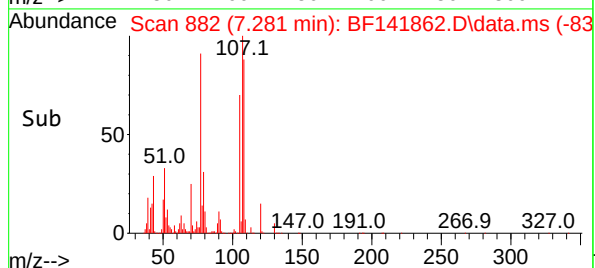
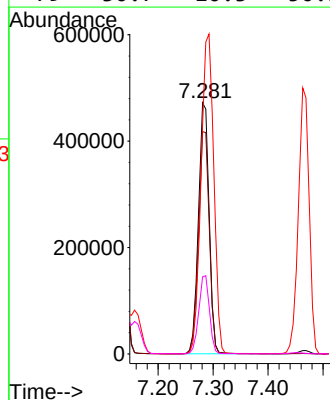
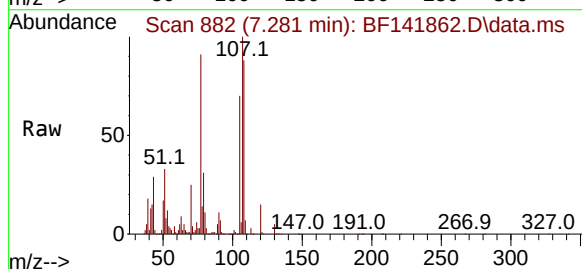
Ion Ratio Lower Upper

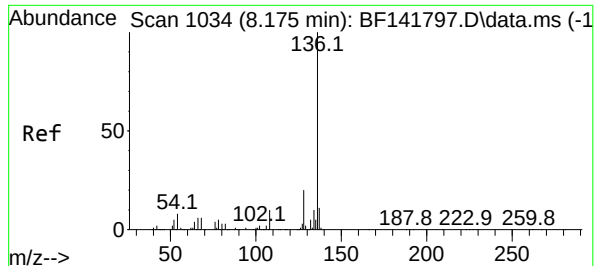
107 100

108 88.5 69.7 109.7

77 91.2 58.3 98.3

79 30.7 10.3 50.3





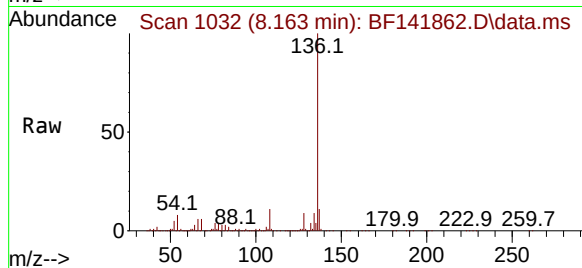
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

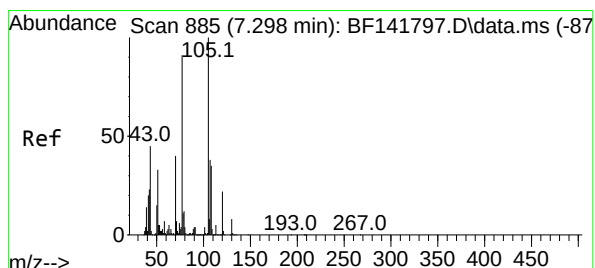
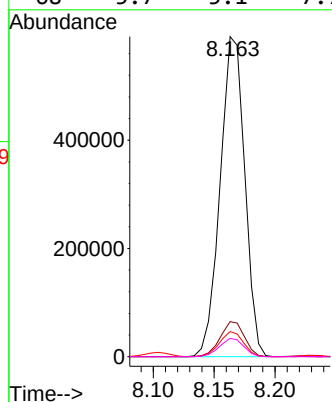
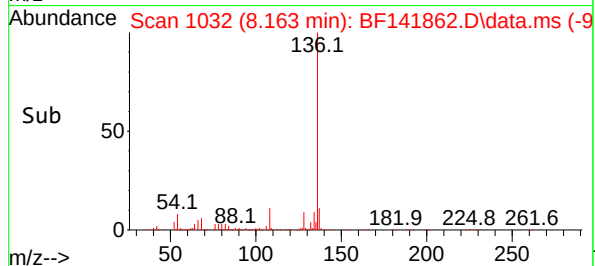


Tgt Ion:136 Resp: 832298
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.9 10.3
68 5.7 5.1 7.7

Manual Integrations

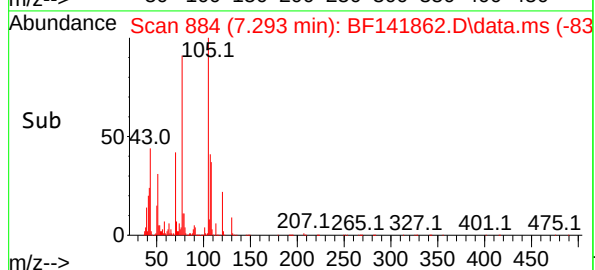
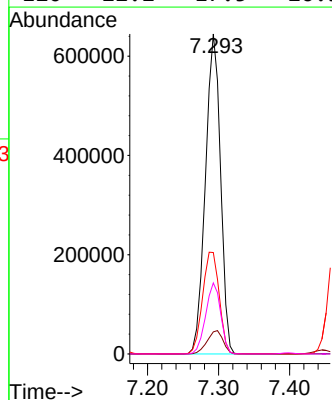
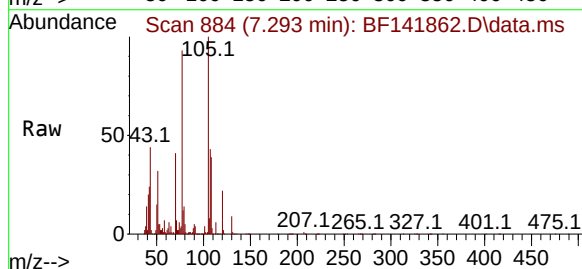
APPROVED

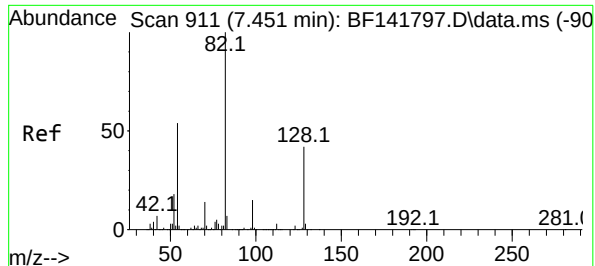
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#22
Acetophenone
Concen: 47.133 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:105 Resp: 955429
Ion Ratio Lower Upper
105 100
71 6.9 5.4 8.0
51 31.7 26.1 39.1
120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 109.429 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion: 82 Resp: 142486

Ion Ratio Lower Upper

82 100

128 44.2 33.5 50.3

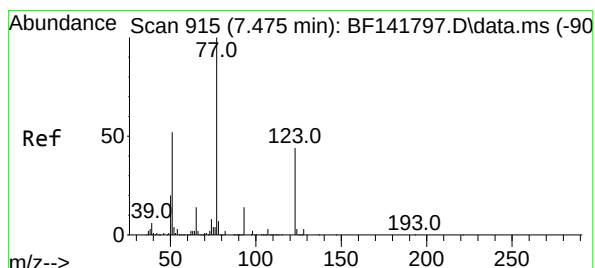
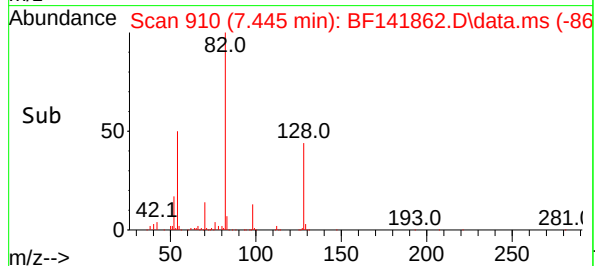
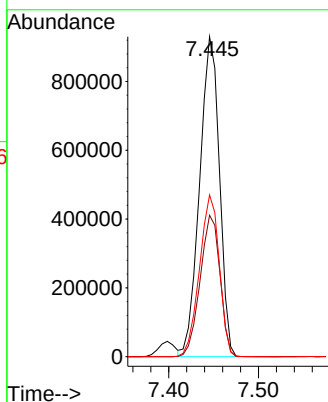
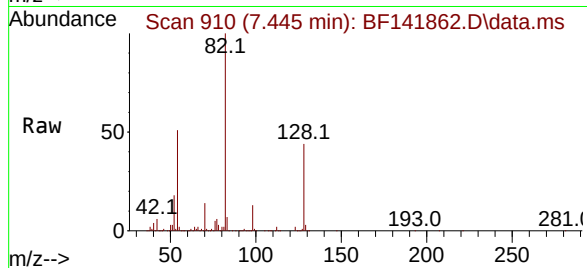
54 50.5 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#24

Nitrobenzene

Concen: 48.949 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

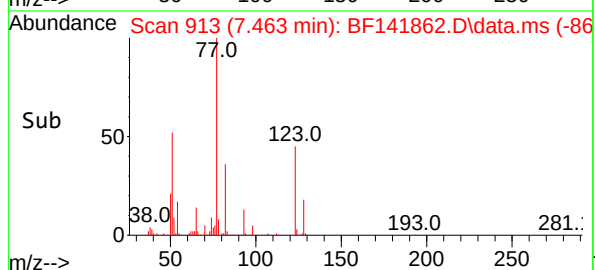
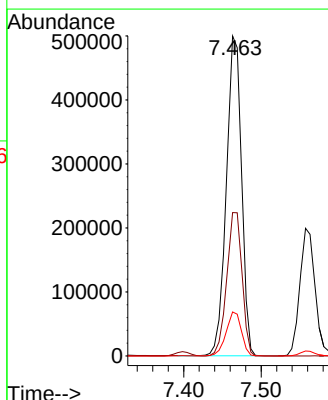
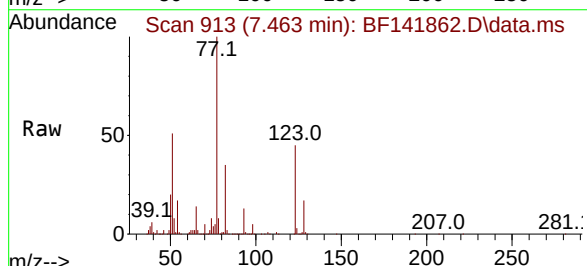
Tgt Ion: 77 Resp: 682517

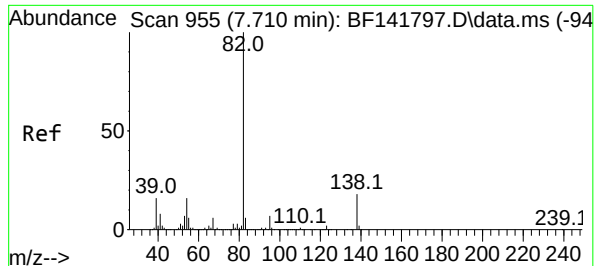
Ion Ratio Lower Upper

77 100

123 44.8 35.8 53.8

65 13.8 11.2 16.8





#25

Isophorone

Concen: 43.587 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion: 82 Resp: 121927

Ion Ratio Lower Upper

82 100

95 7.8 5.8 8.8

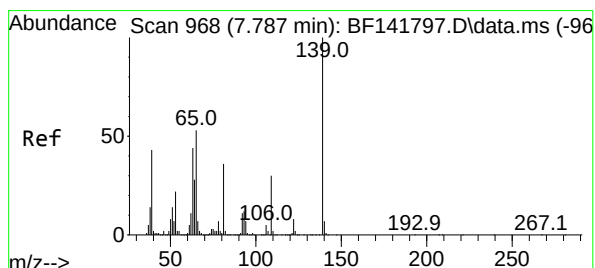
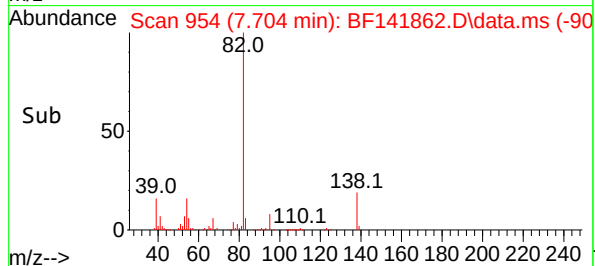
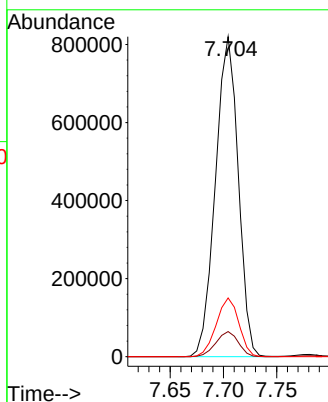
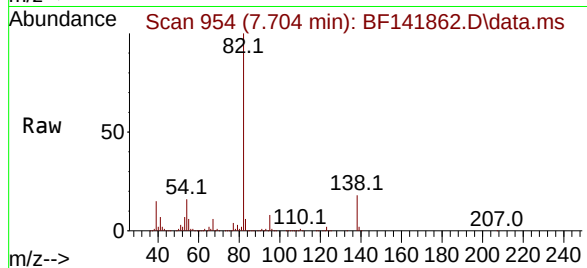
138 18.4 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#26

2-Nitrophenol

Concen: 53.102 ng

RT: 7.781 min Scan# 967

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

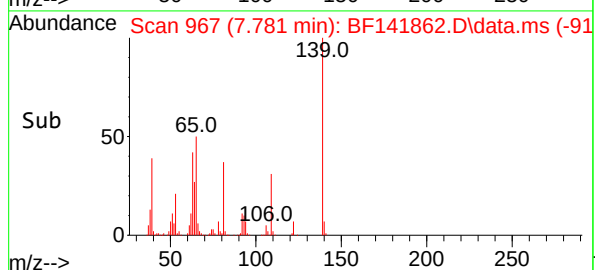
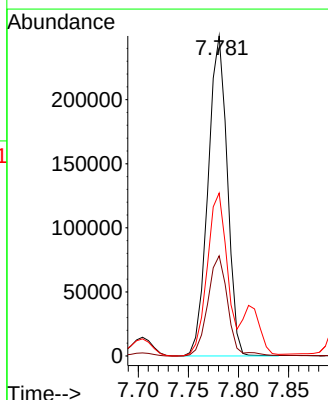
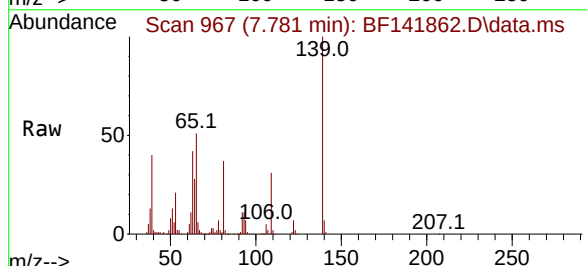
Tgt Ion:139 Resp: 334090

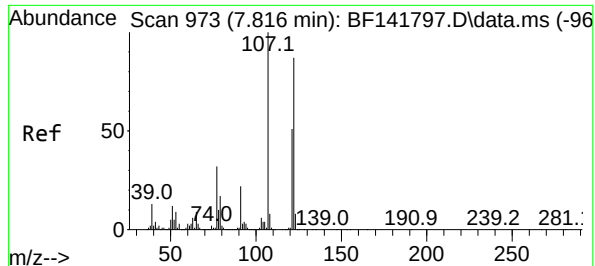
Ion Ratio Lower Upper

139 100

109 31.3 24.1 36.1

65 50.9 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 54.921 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141862.D

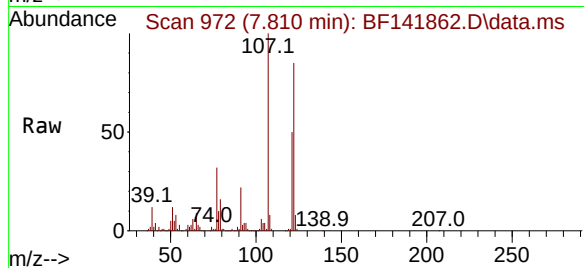
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS



Tgt Ion:122 Resp: 56474

Ion Ratio Lower Upper

122 100

107 117.3 92.5 138.7

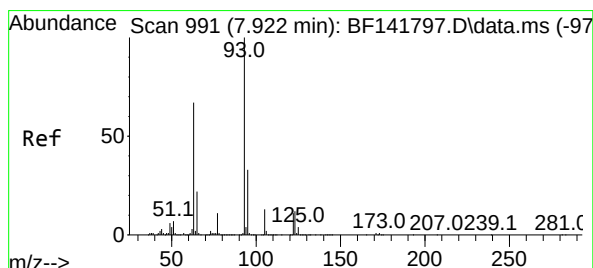
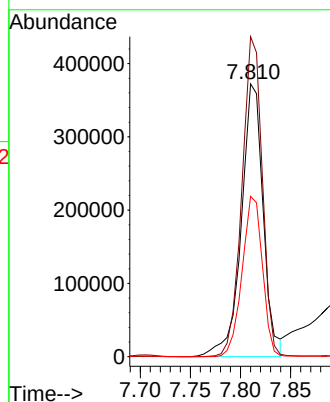
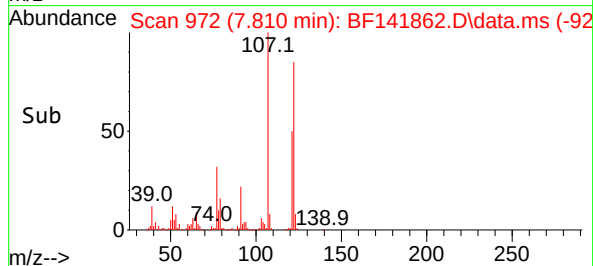
121 58.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#28

bis(2-Chloroethoxy)methane

Concen: 41.203 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

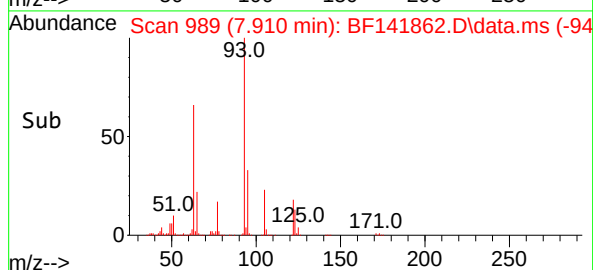
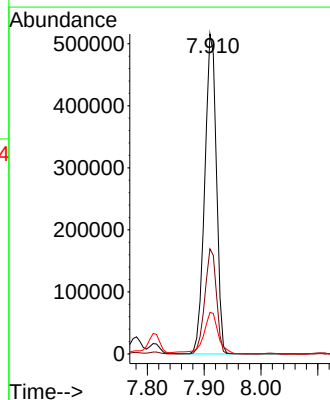
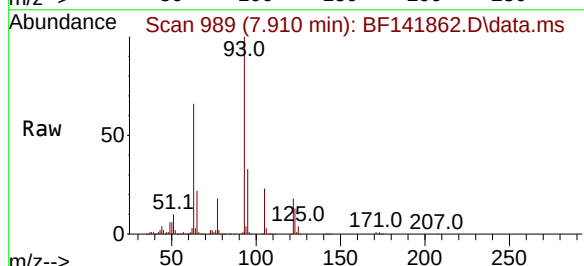
Tgt Ion: 93 Resp: 735247

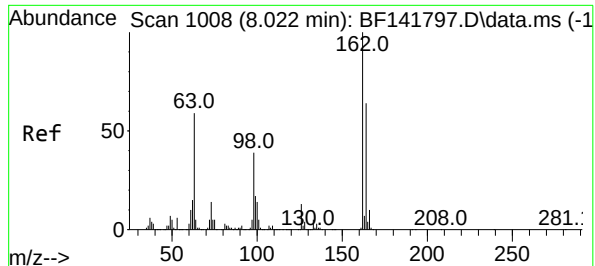
Ion Ratio Lower Upper

93 100

95 32.8 26.5 39.7

123 13.0 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 44.919 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:162 Resp: 532860

Ion Ratio Lower Upper

162 100

164 63.8 44.3 84.3

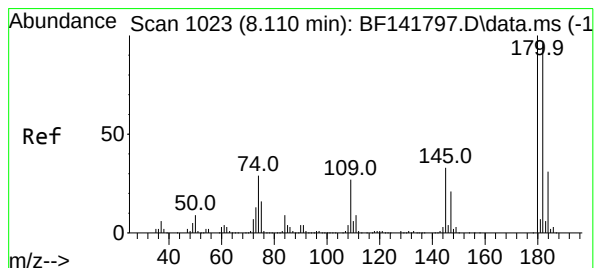
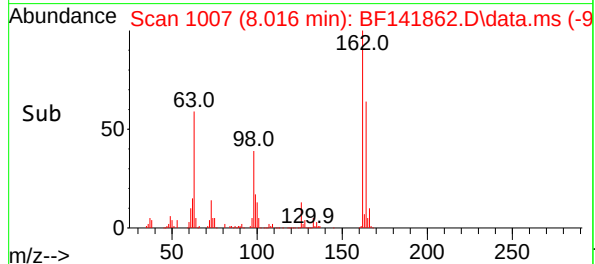
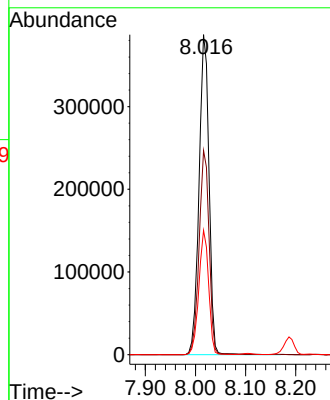
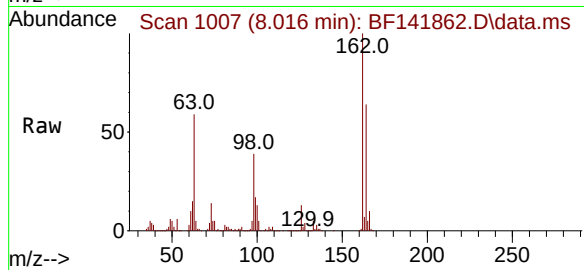
98 38.8 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.605 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

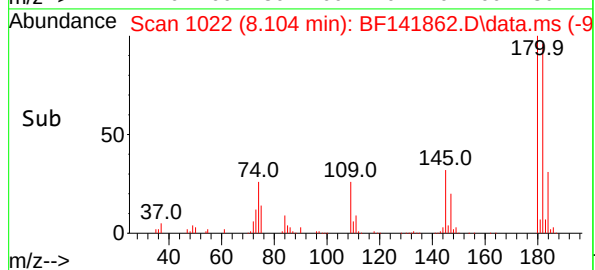
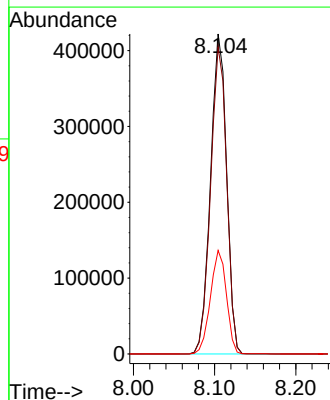
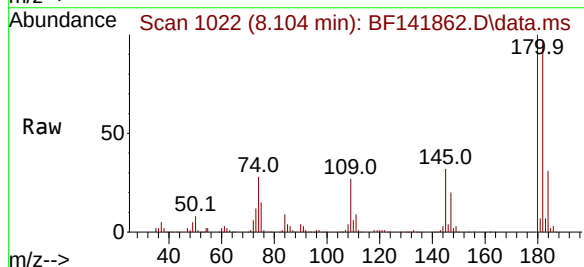
Tgt Ion:180 Resp: 579819

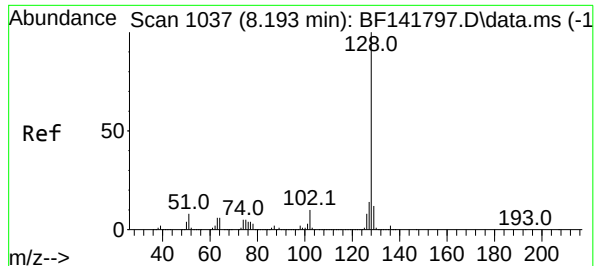
Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 32.4 26.4 39.6





#31

Naphthalene

Concen: 43.170 ng

RT: 8.187 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:128 Resp: 1846658

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

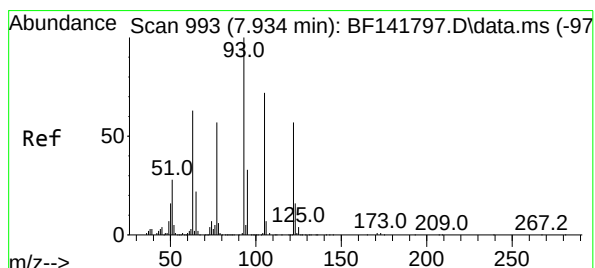
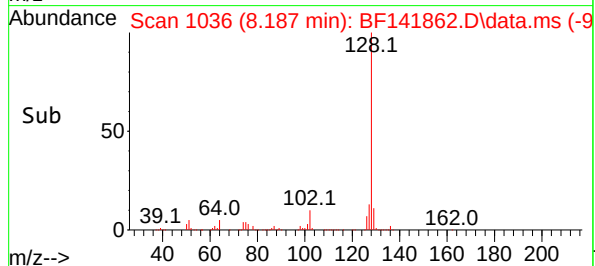
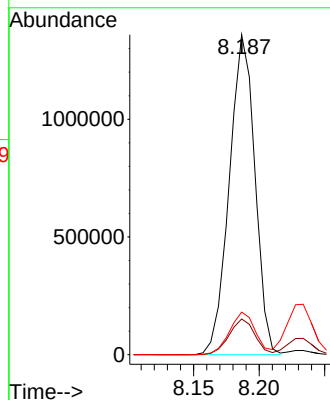
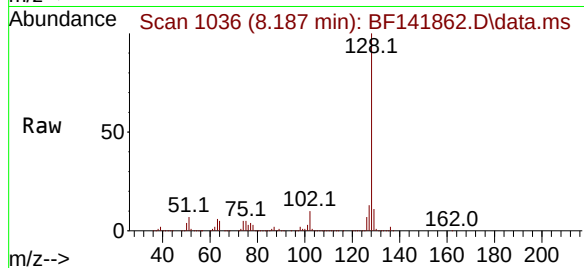
127 13.3 11.0 16.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#32

Benzoic acid

Concen: 52.276 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

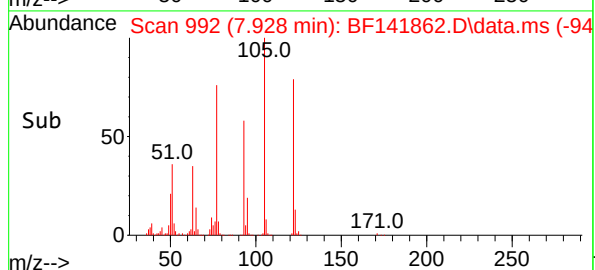
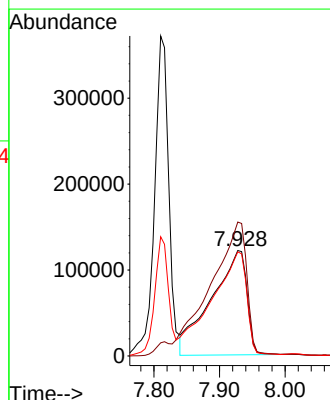
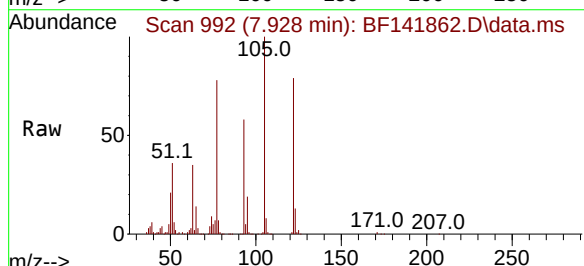
Tgt Ion:122 Resp: 455664

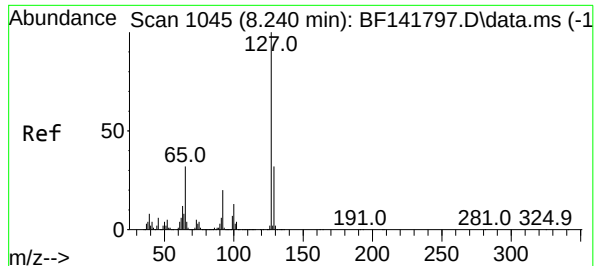
Ion Ratio Lower Upper

122 100

105 127.1 105.8 145.8

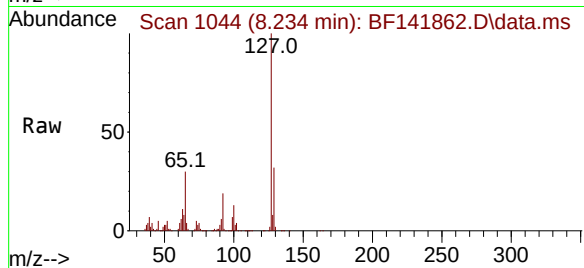
77 98.8 79.9 119.9





#33
4-Chloroaniline
Concen: 19.726 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

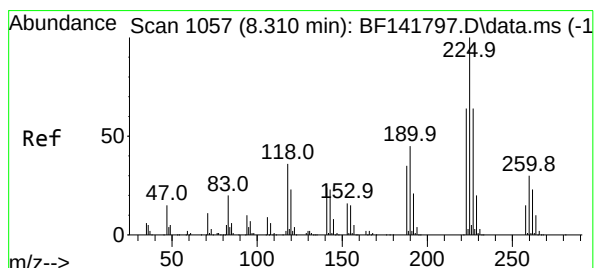
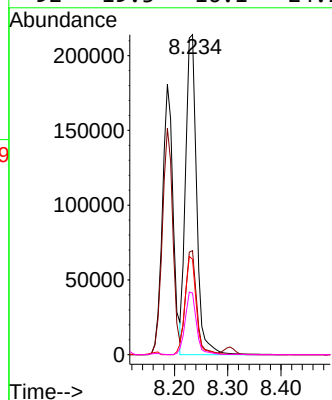
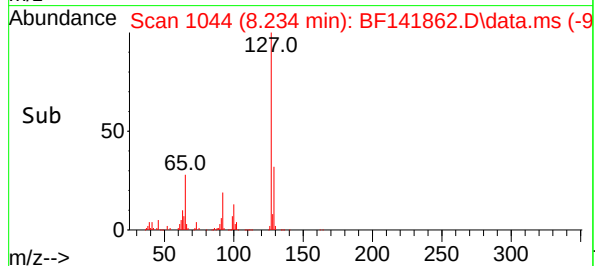
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:127 Resp: 30938
Ion Ratio Lower Upper
127 100
129 32.5 26.1 39.1
65 29.8 25.7 38.5
92 19.3 16.1 24.1

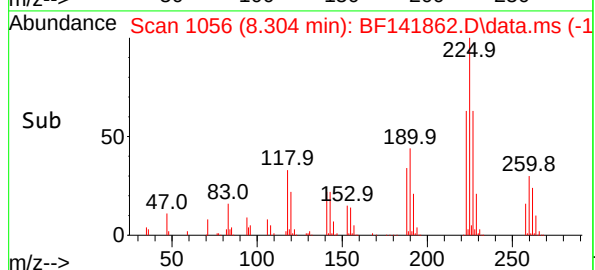
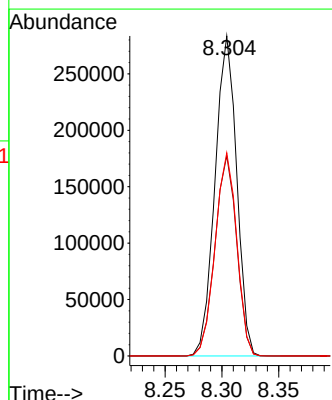
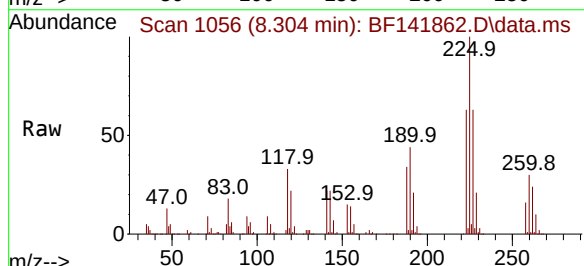
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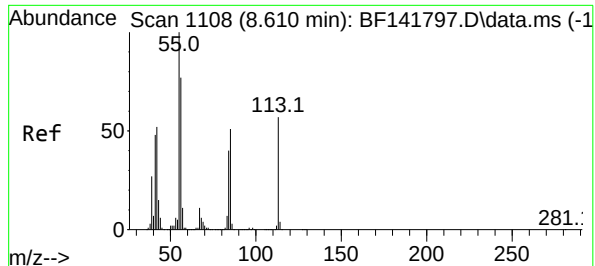
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#34
Hexachlorobutadiene
Concen: 46.581 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:225 Resp: 376266
Ion Ratio Lower Upper
225 100
223 62.6 51.4 77.2
227 63.5 51.6 77.4





#35

Caprolactam

Concen: 52.349 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:113 Resp: 191039

Ion Ratio Lower Upper

113 100

55 158.7 155.6 195.6

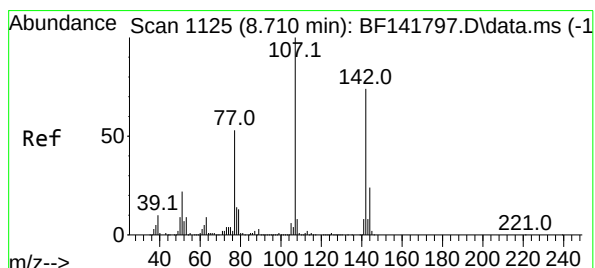
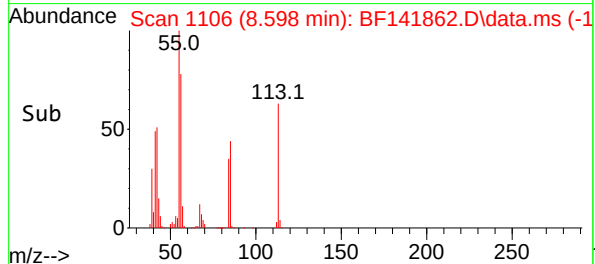
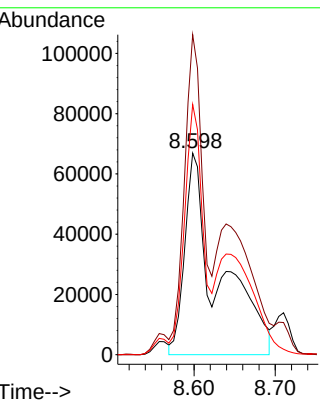
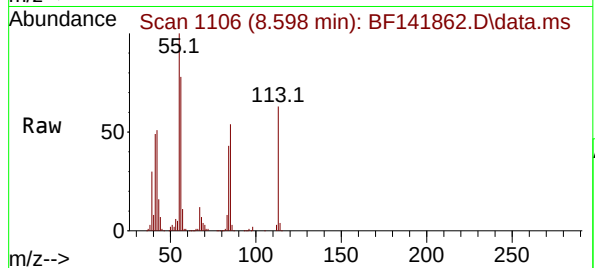
56 124.1 114.6 154.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#36

4-Chloro-3-methylphenol

Concen: 44.302 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

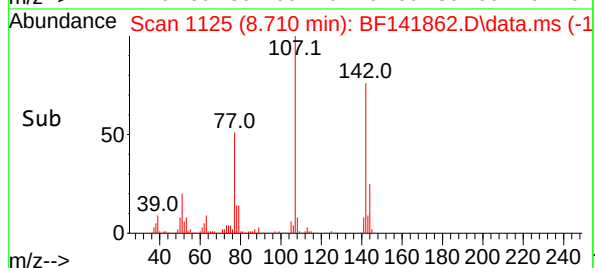
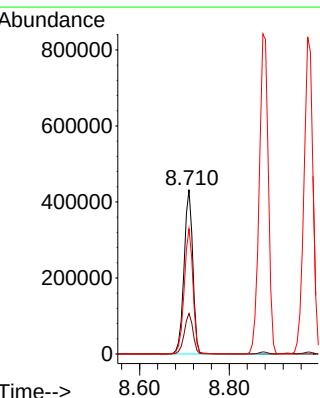
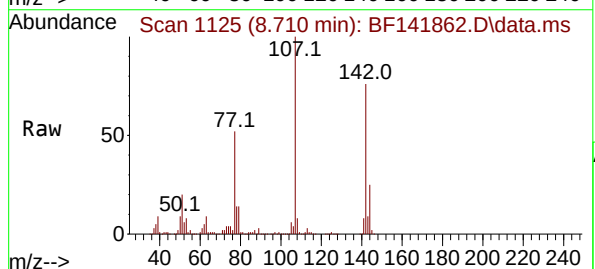
Tgt Ion:107 Resp: 583807

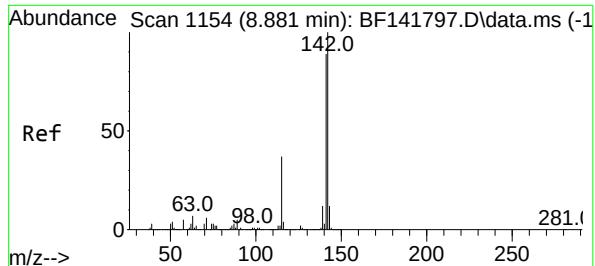
Ion Ratio Lower Upper

107 100

144 24.6 19.4 29.0

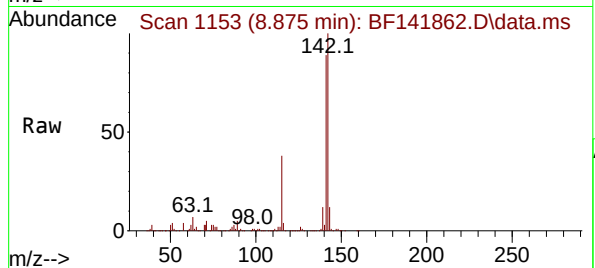
142 76.2 59.4 89.0





#37
2-Methylnaphthalene
Concen: 41.824 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

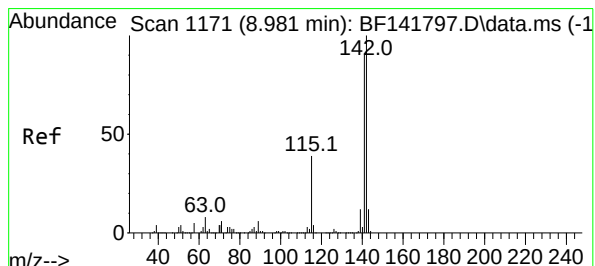
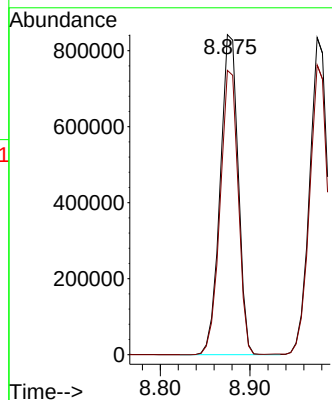
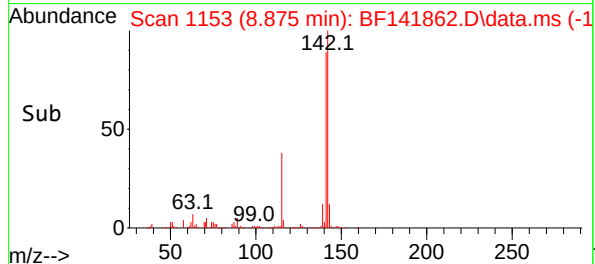
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:142 Resp: 117348
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7

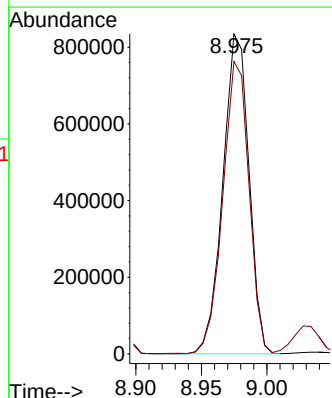
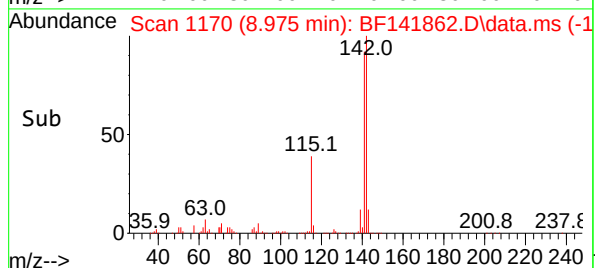
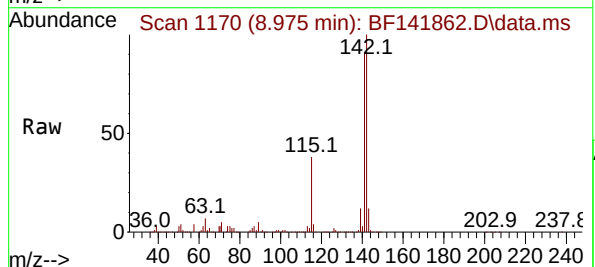
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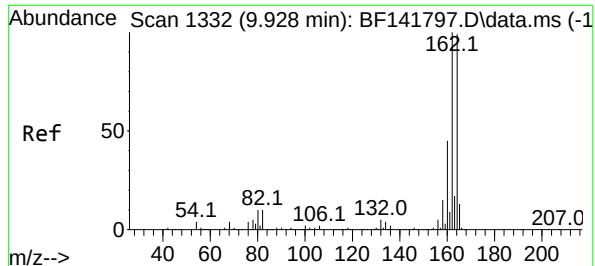
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#38
1-Methylnaphthalene
Concen: 42.897 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:142 Resp: 1154869
Ion Ratio Lower Upper
142 100
141 91.4 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: BF141862.D

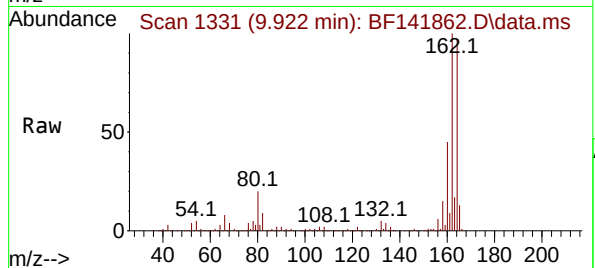
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS



Tgt Ion:164 Resp: 45682

Ion Ratio Lower Upper

164 100

162 102.7 80.6 120.8

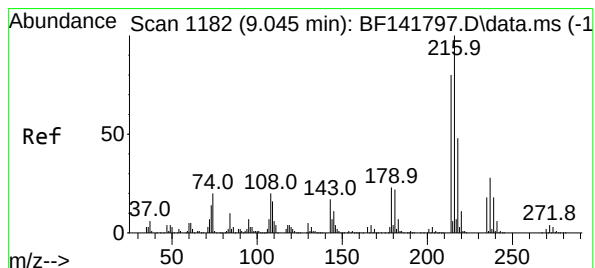
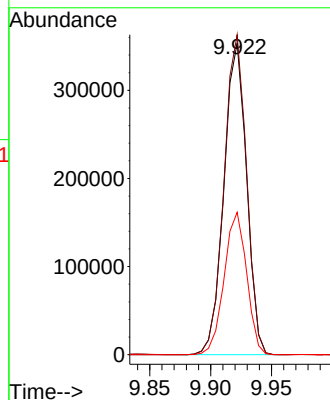
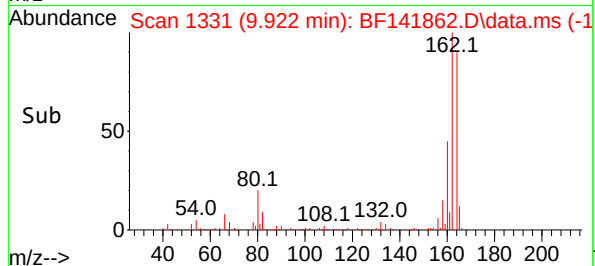
160 45.7 36.3 54.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.928 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Tgt Ion:216 Resp: 645530

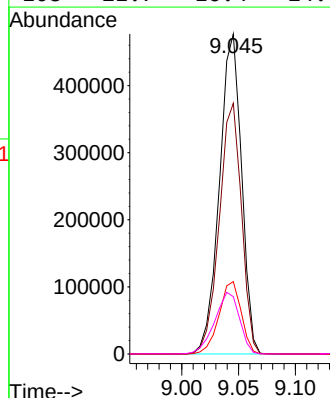
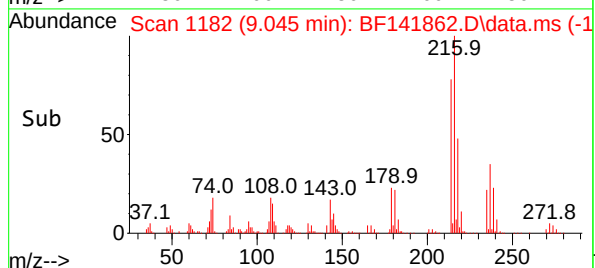
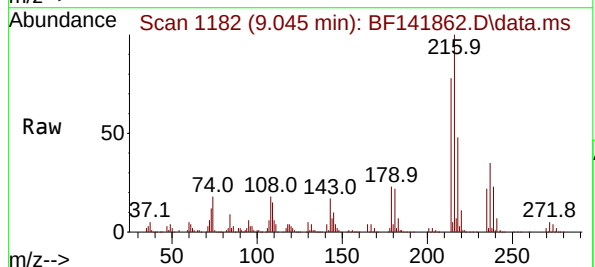
Ion Ratio Lower Upper

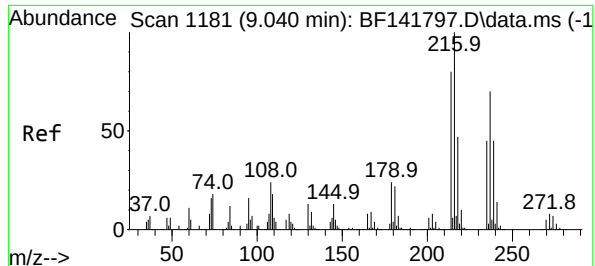
216 100

214 78.7 63.5 95.3

179 22.7 18.1 27.1

108 21.7 16.4 24.6





#41

Hexachlorocyclopentadiene

Concen: 157.703 ng

RT: 9.034 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:237 Resp: 868319

Ion Ratio Lower Upper

237 100

235 62.8 43.3 83.3

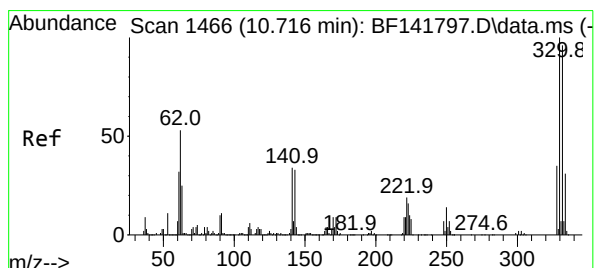
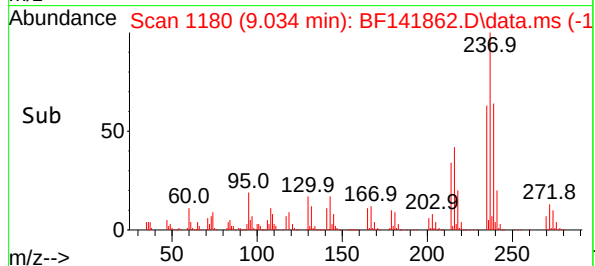
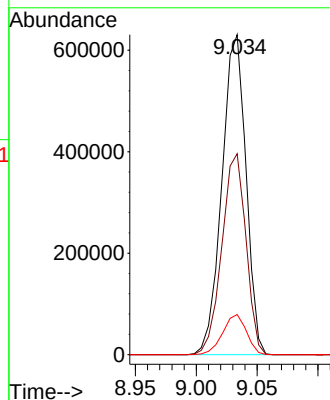
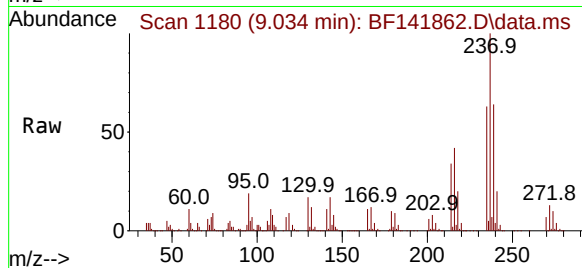
272 12.6 0.0 31.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#42

2,4,6-Tribromophenol

Concen: 176.536 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

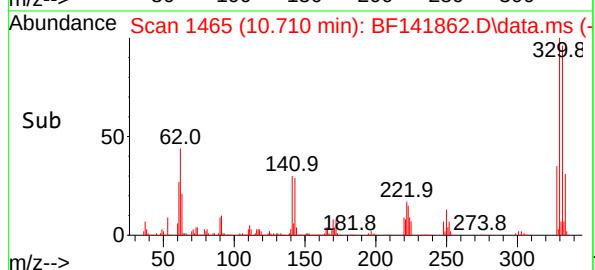
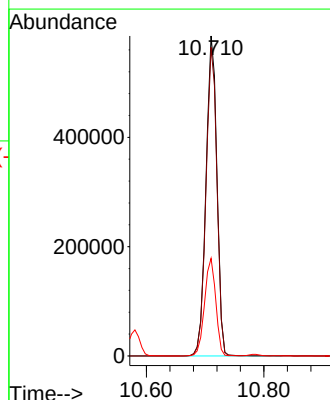
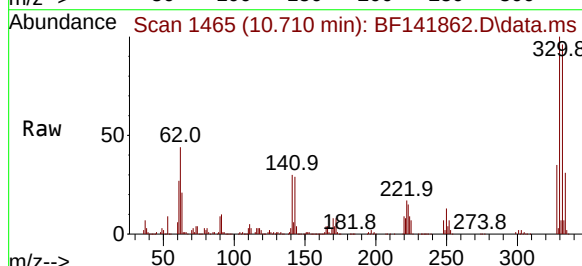
Tgt Ion:330 Resp: 757115

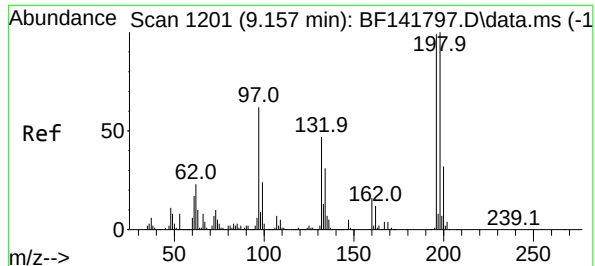
Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

141 31.1 29.0 43.4





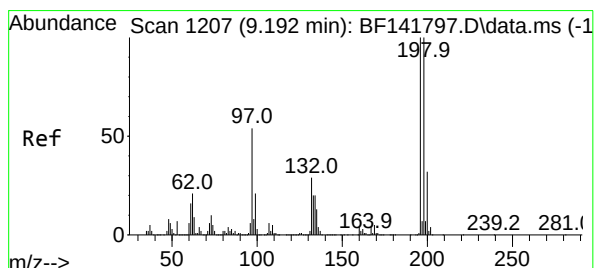
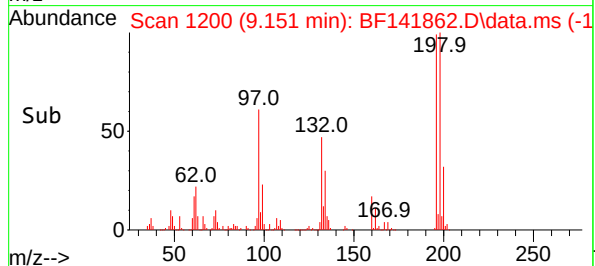
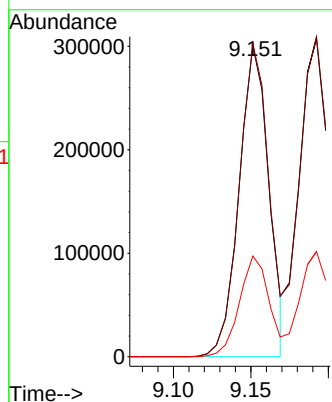
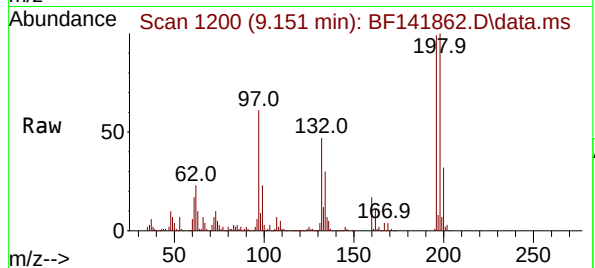
#43
2,4,6-Trichlorophenol
Concen: 46.993 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
PB166982BS

Tgt Ion:196 Resp: 400502
Ion Ratio Lower Upper
196 100
198 100.7 80.4 120.6
200 32.4 25.7 38.5

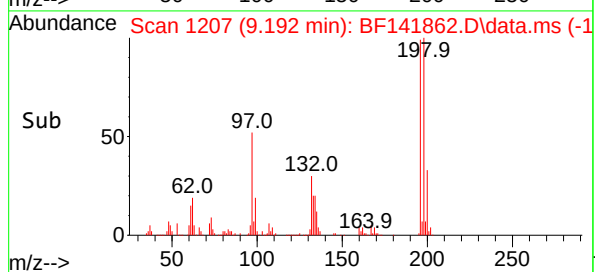
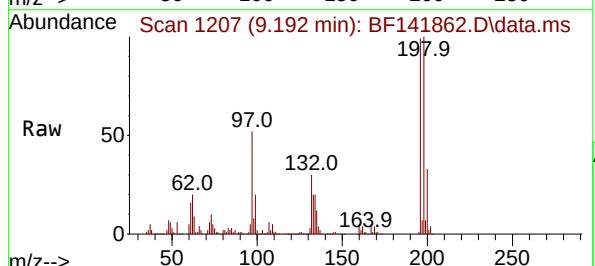
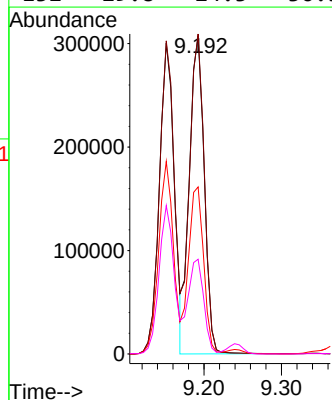
Manual Integrations
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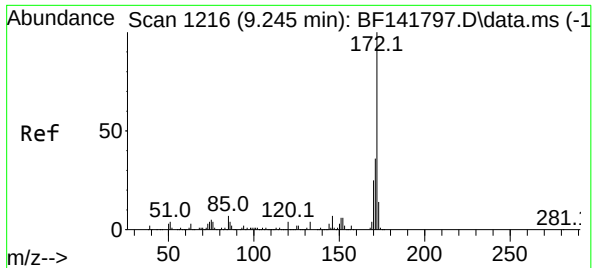
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#44
2,4,5-Trichlorophenol
Concen: 48.574 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:196 Resp: 409928
Ion Ratio Lower Upper
196 100
198 100.7 79.7 119.5
97 52.6 44.2 66.2
132 29.8 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 94.705 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:172 Resp: 269814

Ion Ratio Lower Upper

172 100

171 36.4 29.2 43.8

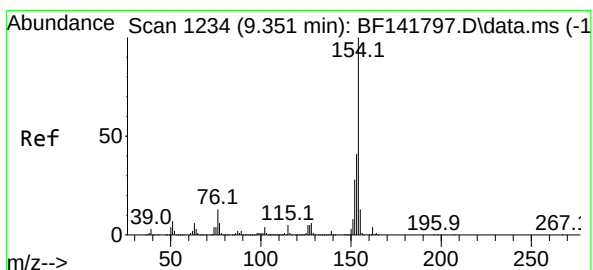
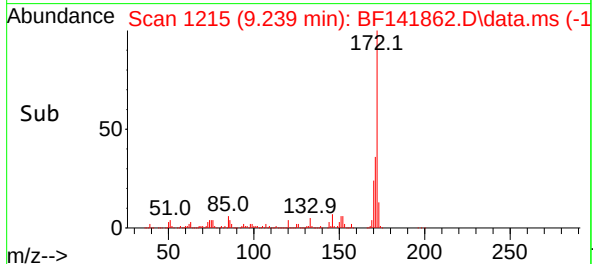
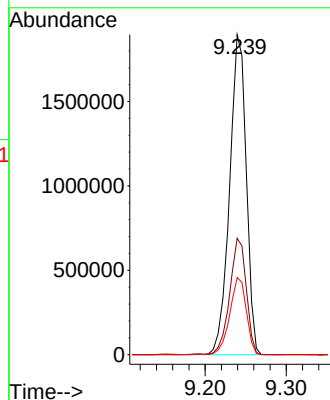
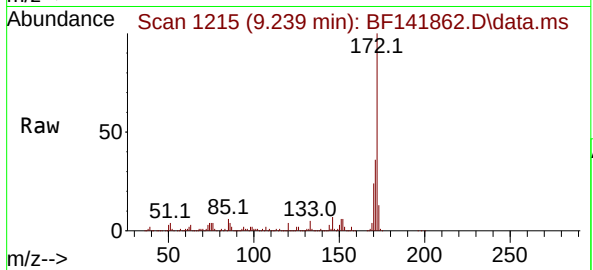
170 24.1 19.7 29.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#46

1,1'-Biphenyl

Concen: 47.926 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

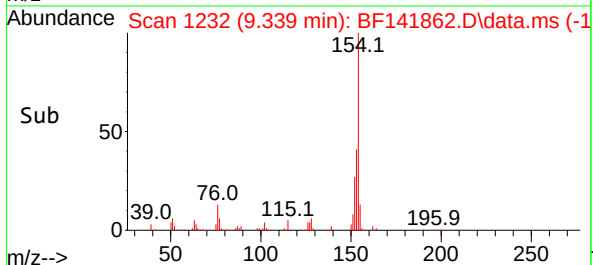
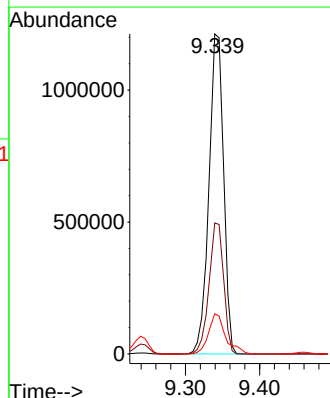
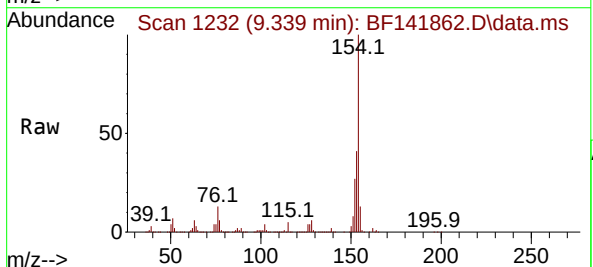
Tgt Ion:154 Resp: 1666460

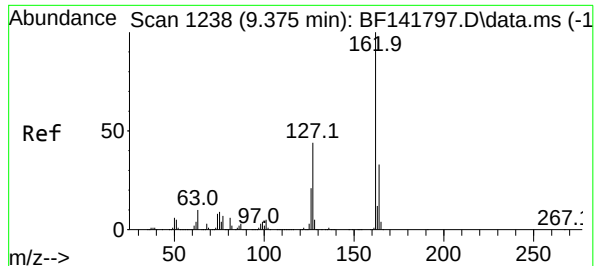
Ion Ratio Lower Upper

154 100

153 41.0 21.4 61.4

76 12.6 0.0 33.4





#47

2-Chloronaphthalene

Concen: 44.395 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:162 Resp: 1139340

Ion Ratio Lower Upper

162 100

127 43.0 35.0 52.6

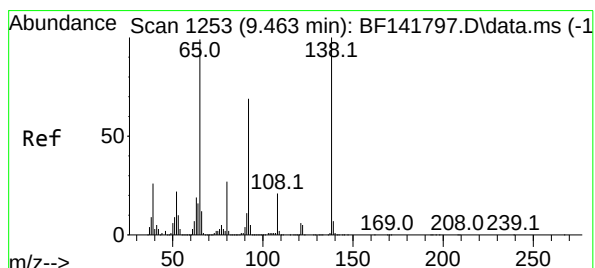
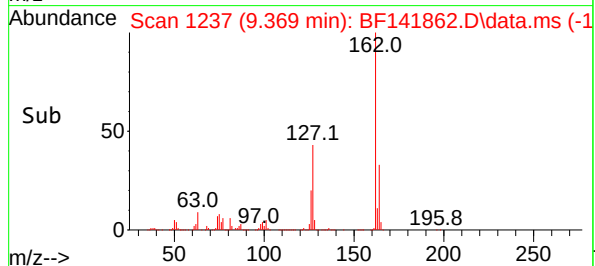
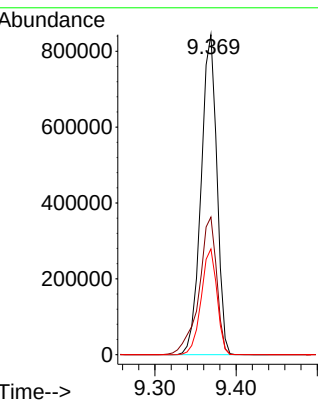
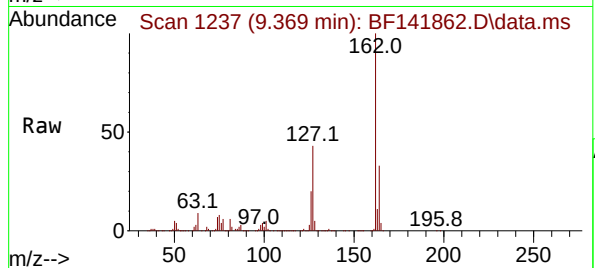
164 33.0 26.6 40.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#48

2-Nitroaniline

Concen: 51.157 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

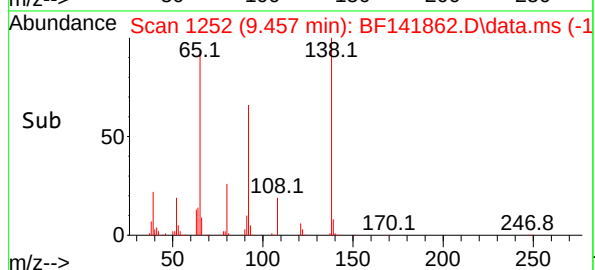
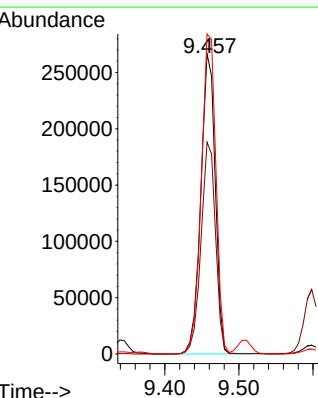
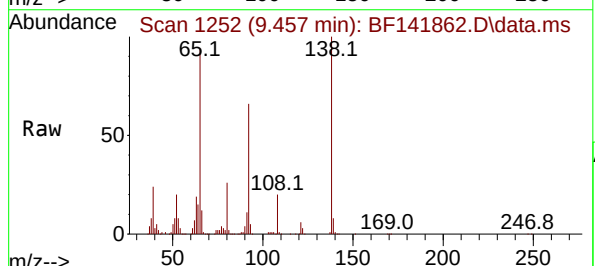
Tgt Ion: 65 Resp: 361580

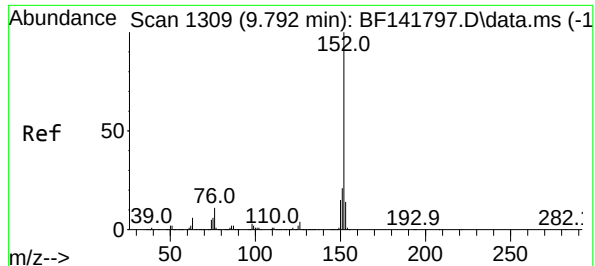
Ion Ratio Lower Upper

65 100

92 70.6 55.7 83.5

138 106.6 80.6 121.0





#49

Acenaphthylene

Concen: 46.755 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:152 Resp: 1799062

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

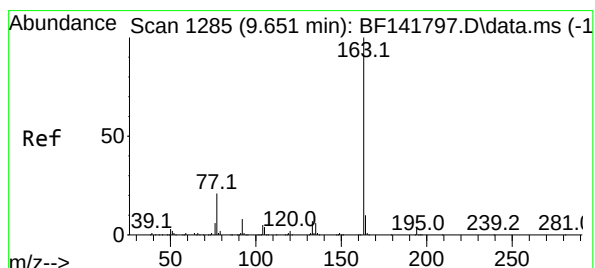
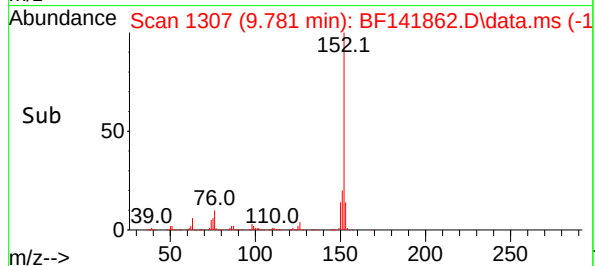
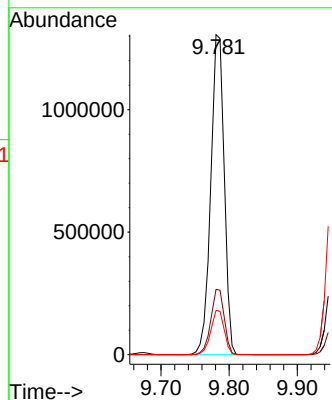
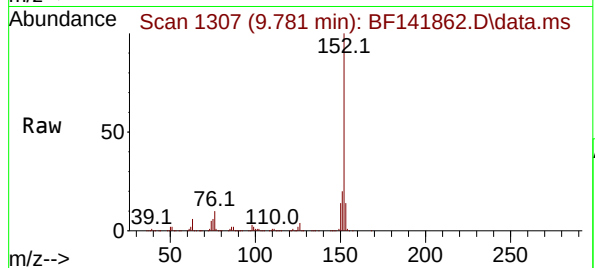
153 13.9 11.2 16.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#50

Dimethylphthalate

Concen: 44.817 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

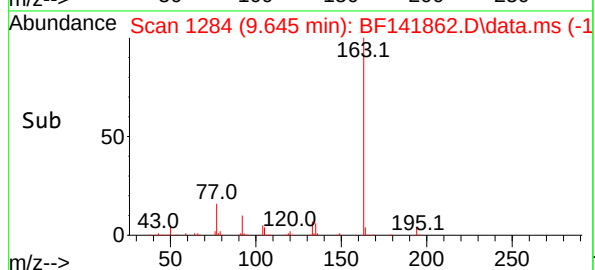
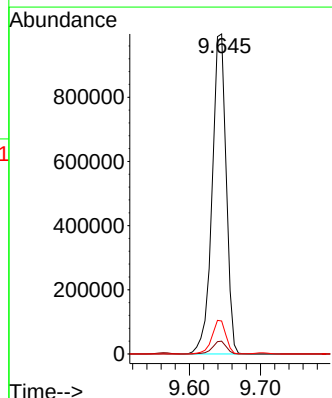
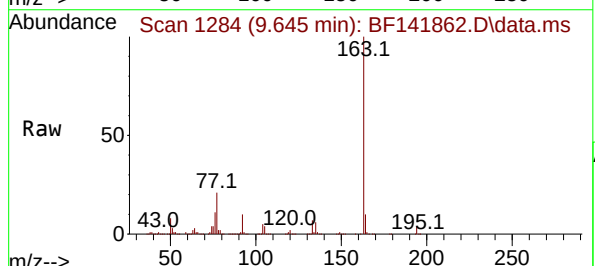
Tgt Ion:163 Resp: 1371047

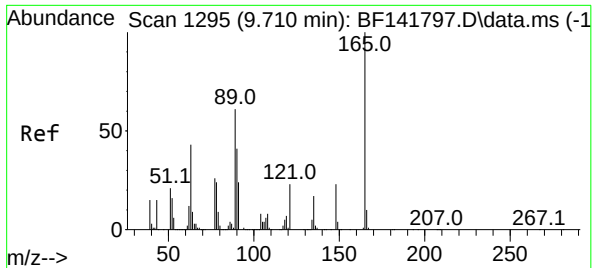
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.4 12.6





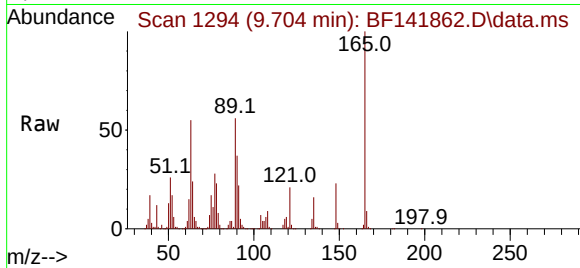
#51
2,6-Dinitrotoluene
Concen: 51.243 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

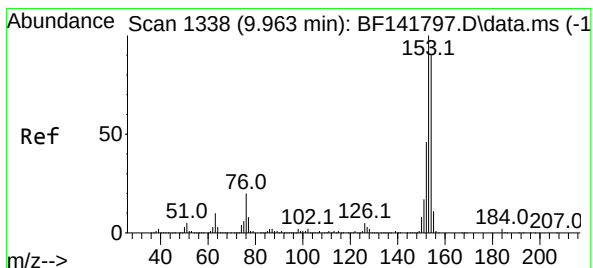
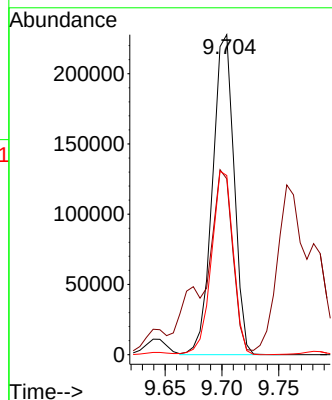
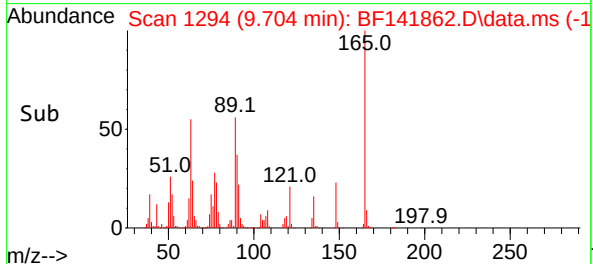


Tgt Ion:165 Resp: 301079
Ion Ratio Lower Upper
165 100
63 55.0 49.5 74.3
89 56.0 49.0 73.4

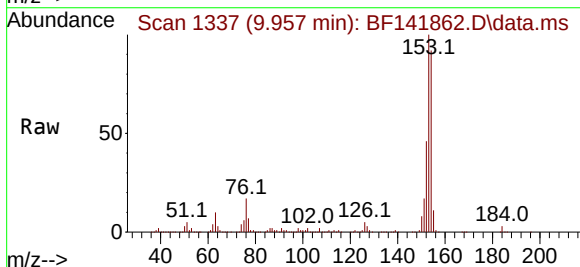
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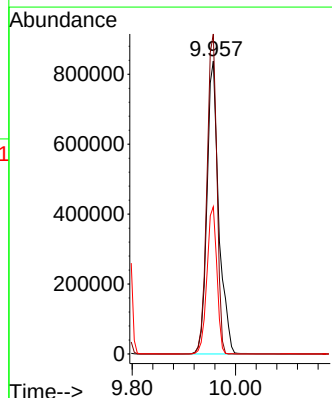
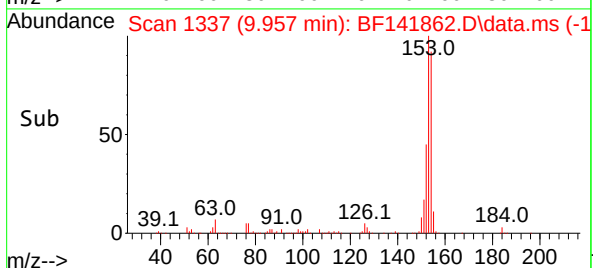
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

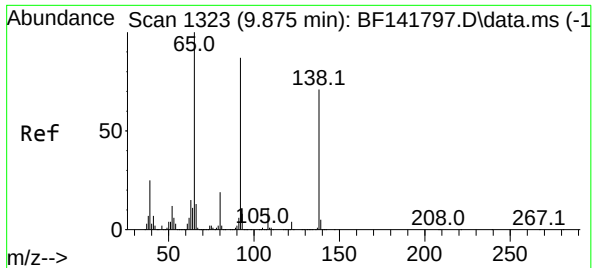


#52
Acenaphthene
Concen: 51.243 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



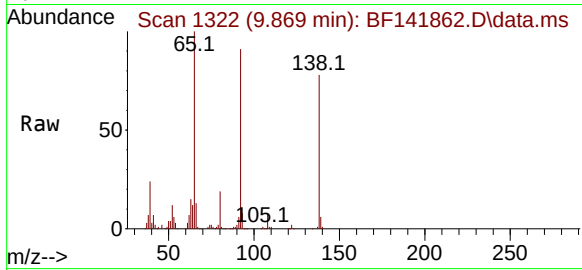
Tgt Ion:154 Resp: 1330436
Ion Ratio Lower Upper
154 100
153 109.2 88.7 133.1
152 50.3 40.9 61.3





#53
3-Nitroaniline
Concen: 33.745 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

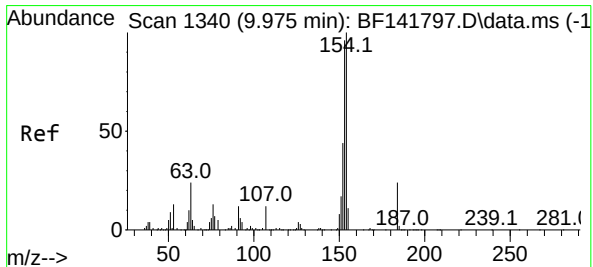
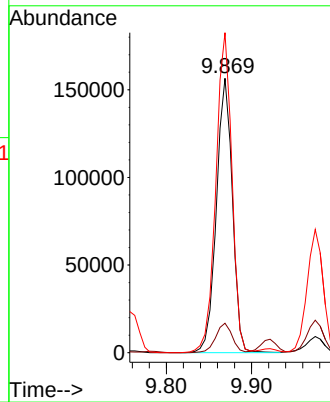
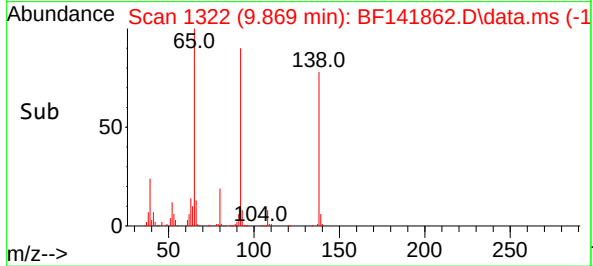
Instrument :
BNA_F
ClientSampleId :
PB166982BS



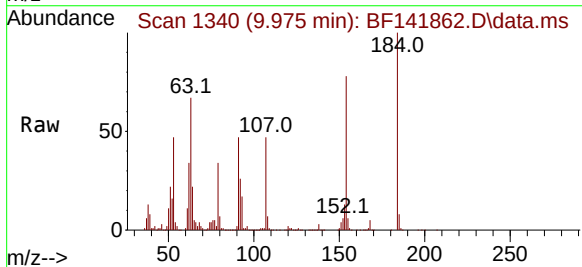
Tgt Ion:138 Resp: 204507
Ion Ratio Lower Upper
138 100
108 10.8 12.7 19.1#
92 116.6 97.9 146.9

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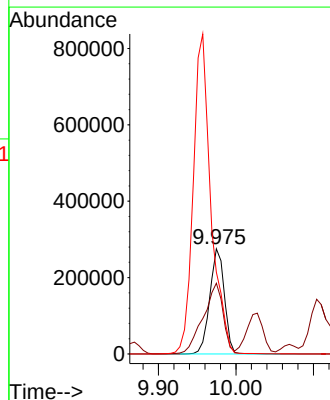
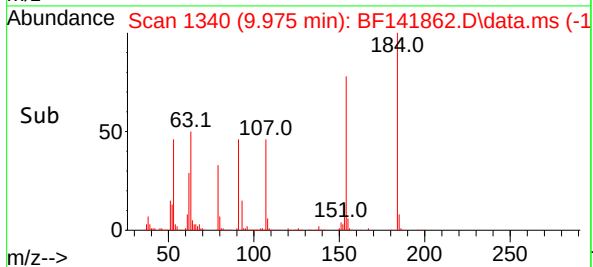
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

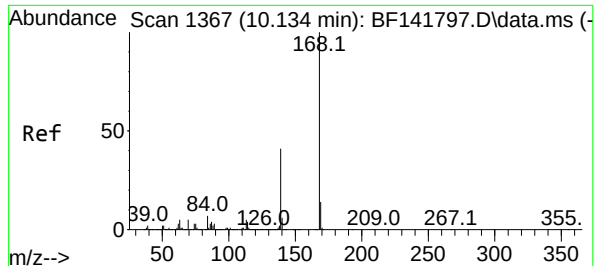


#54
2,4-Dinitrophenol
Concen: 116.229 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



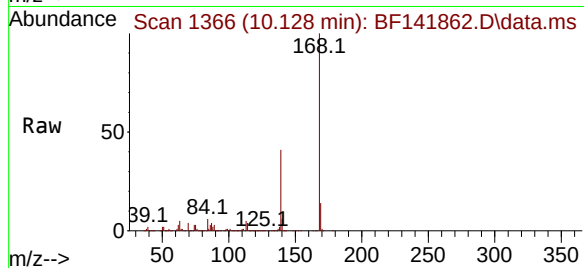
Tgt Ion:184 Resp: 360919
Ion Ratio Lower Upper
184 100
63 67.3 79.0 118.6#
154 77.7 335.8 503.8#





#55
Dibenzenofuran
Concen: 42.900 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

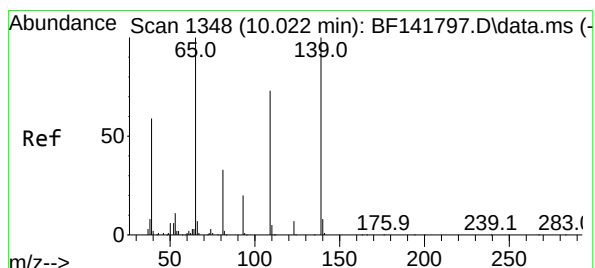
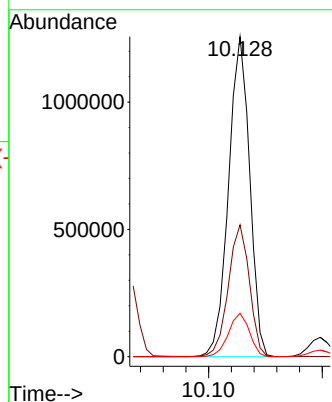
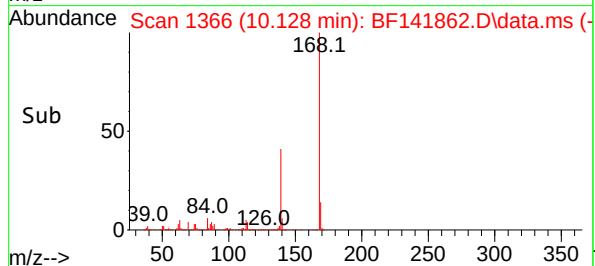
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:168 Resp: 162117
Ion Ratio Lower Upper
168 100
139 41.2 32.9 49.3
169 13.5 11.1 16.7

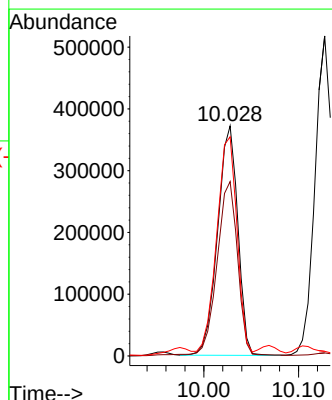
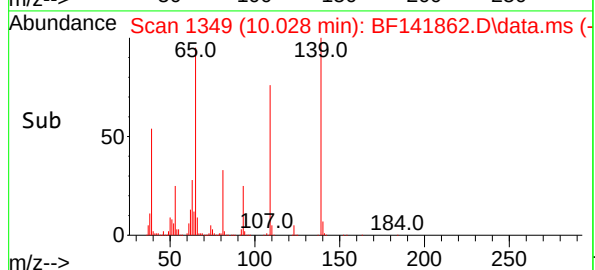
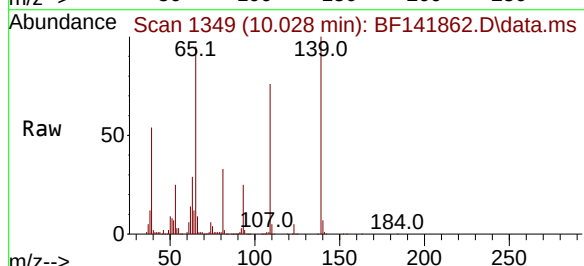
Manual Integrations
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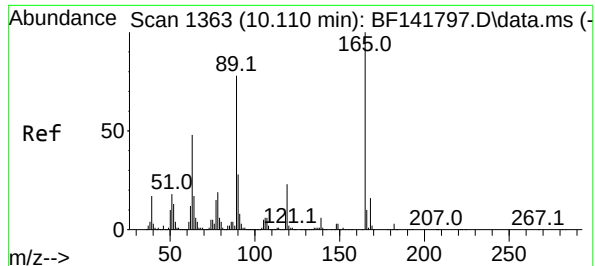
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#56
4-Nitrophenol
Concen: 122.039 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:139 Resp: 551414
Ion Ratio Lower Upper
139 100
109 75.8 53.4 93.4
65 95.2 82.1 122.1





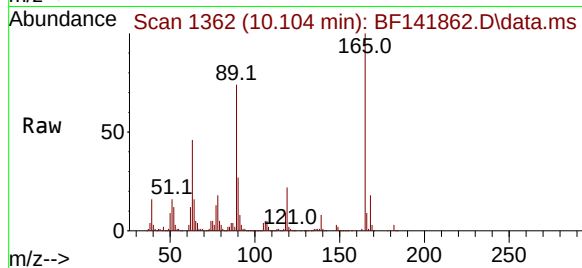
#57
2,4-Dinitrotoluene
Concen: 57.376 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

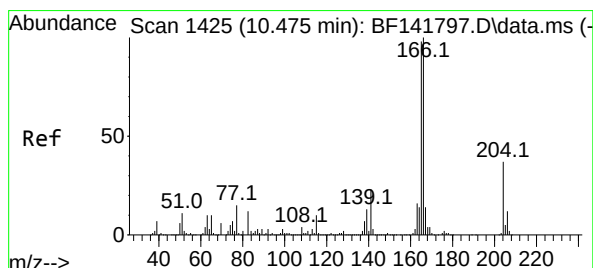
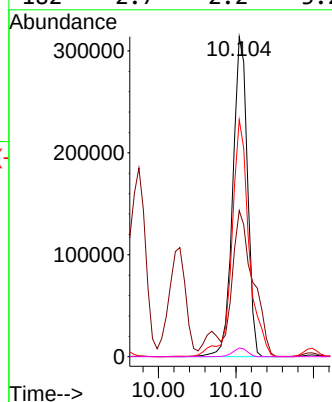
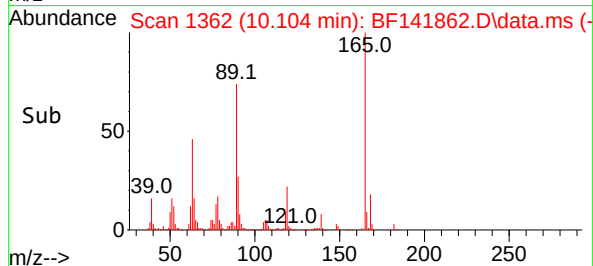


Tgt Ion:165 Resp: 415457
Ion Ratio Lower Upper
165 100
63 45.6 38.8 58.2
89 74.1 62.6 94.0
182 2.7 2.2 3.2

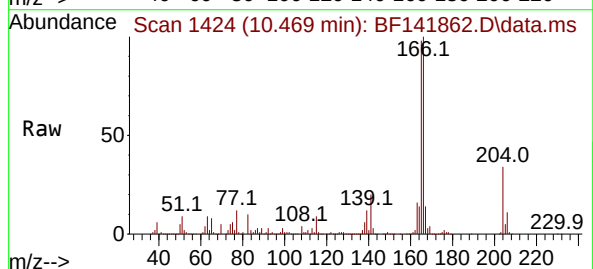
Manual Integrations

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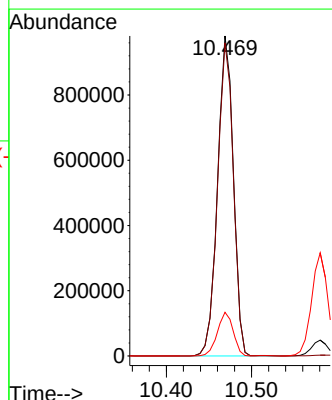
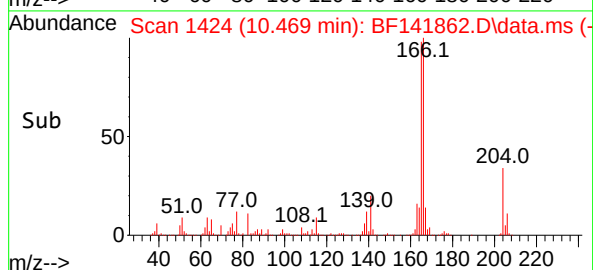
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

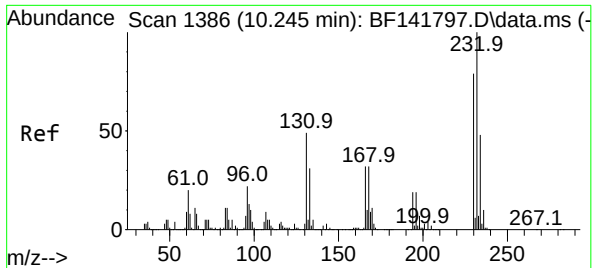


#58
Fluorene
Concen: 44.940 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



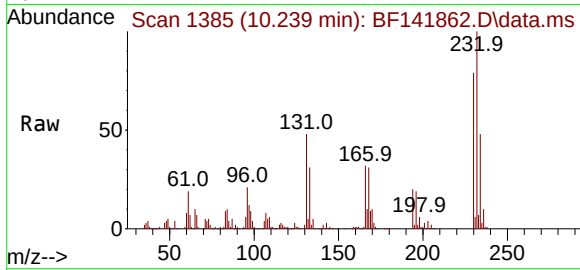
Tgt Ion:166 Resp: 1272097
Ion Ratio Lower Upper
166 100
165 97.8 78.6 117.8
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.365 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

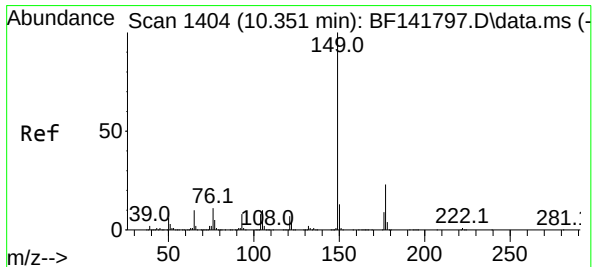
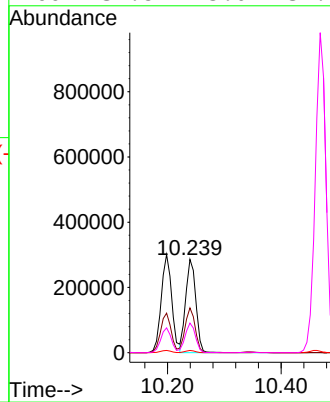
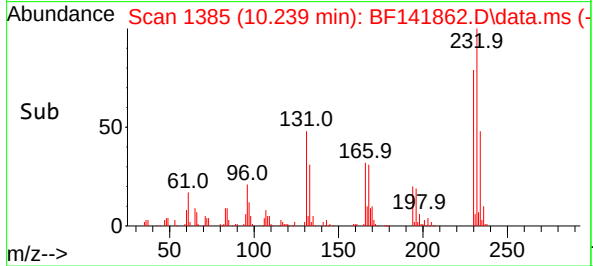
Instrument :
BNA_F
ClientSampleId :
PB166982BS



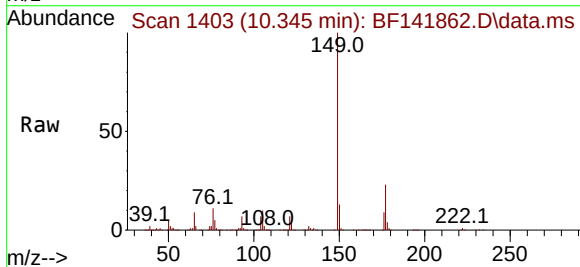
Tgt Ion:232 Resp: 35498
Ion Ratio Lower Upper
232 100
131 48.2 37.8 56.8
130 2.4 2.0 3.0
166 31.8 25.0 37.4

Manual Integrations
APPROVED

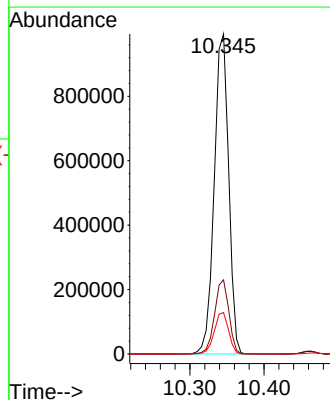
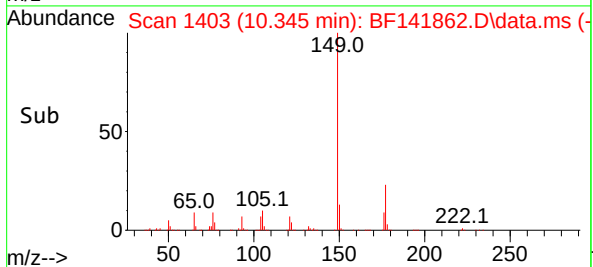
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

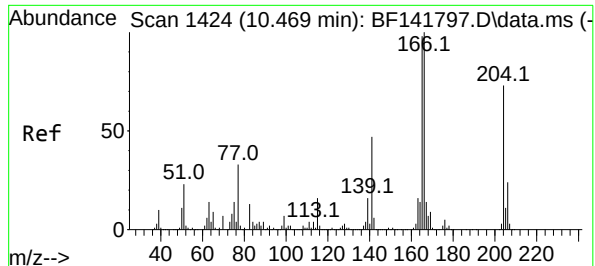


#60
Diethylphthalate
Concen: 43.731 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



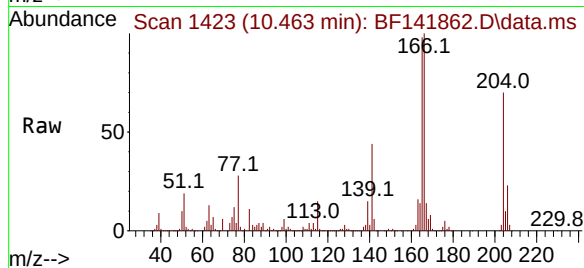
Tgt Ion:149 Resp: 1341179
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 44.893 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

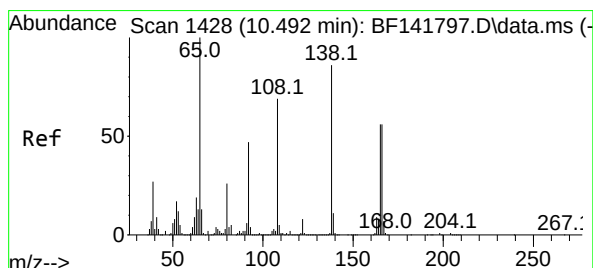
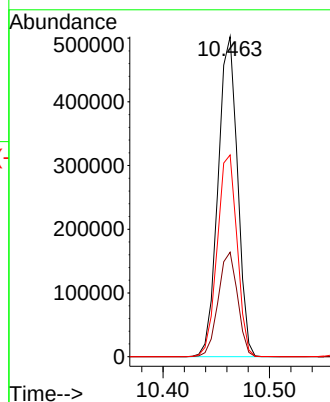
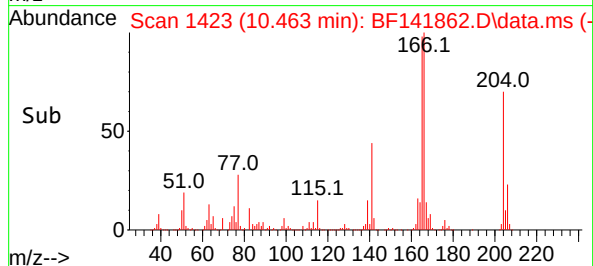
Instrument :
BNA_F
ClientSampleId :
PB166982BS



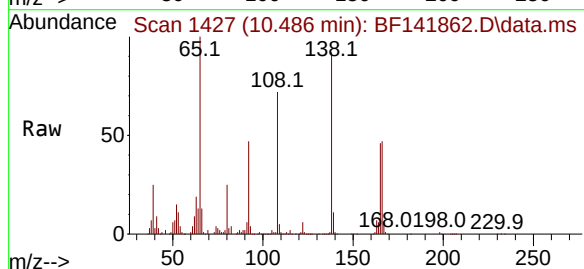
Tgt Ion:204 Resp: 636689
Ion Ratio Lower Upper
204 100
206 32.6 26.2 39.4
141 63.0 51.7 77.5

Manual Integrations
APPROVED

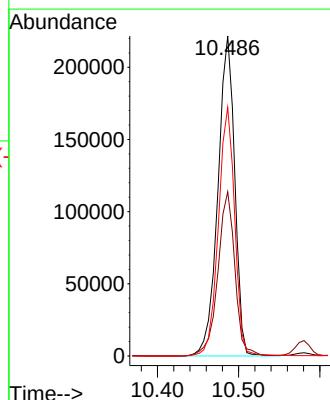
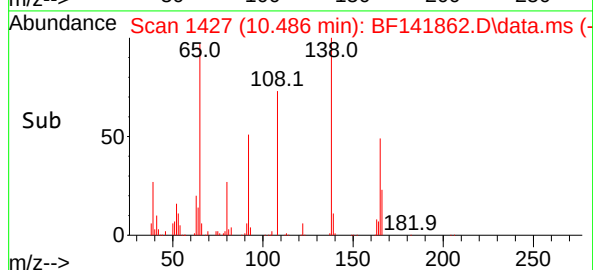
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

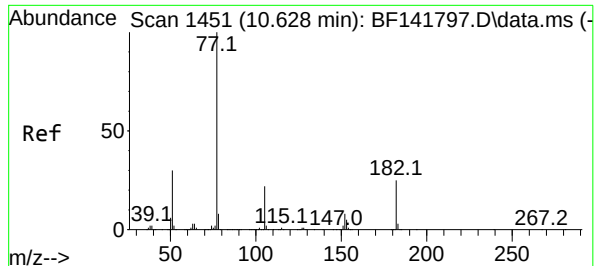


#62
4-Nitroaniline
Concen: 61.255 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



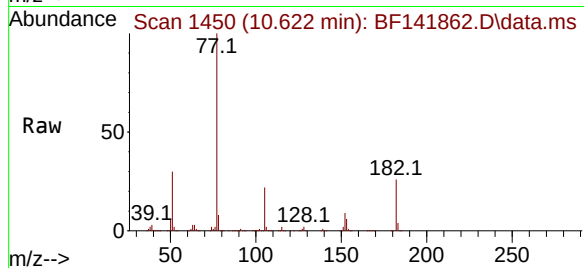
Tgt Ion:138 Resp: 320025
Ion Ratio Lower Upper
138 100
92 51.3 34.9 74.9
108 77.7 59.6 99.6





#63
Azobenzene
Concen: 40.561 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

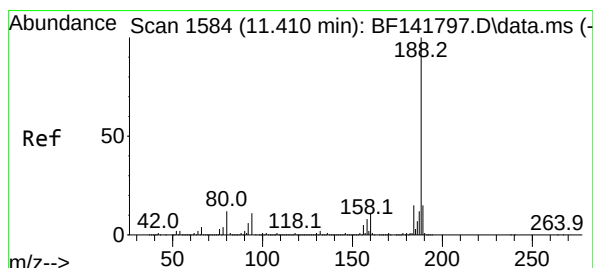
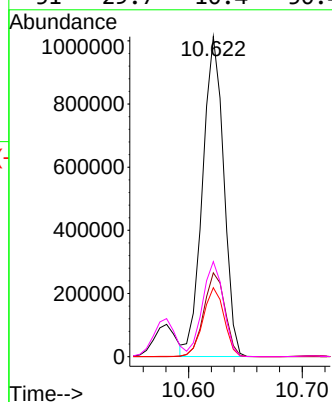
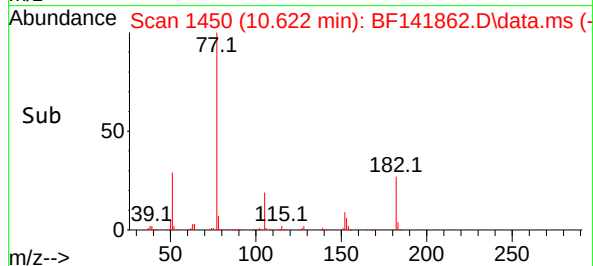
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion: 77 Resp: 130976
Ion Ratio Lower Upper
77 100
182 26.2 4.2 44.2
105 21.5 1.5 41.5
51 29.7 10.4 50.4

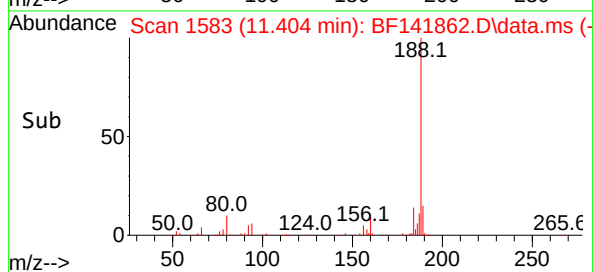
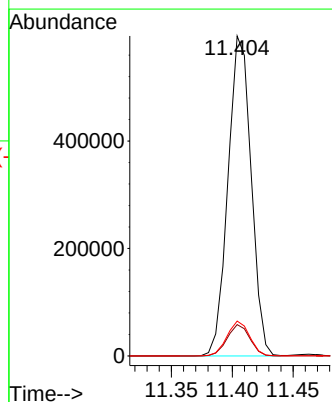
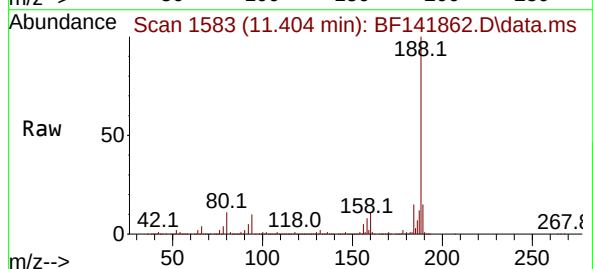
Manual Integrations
APPROVED

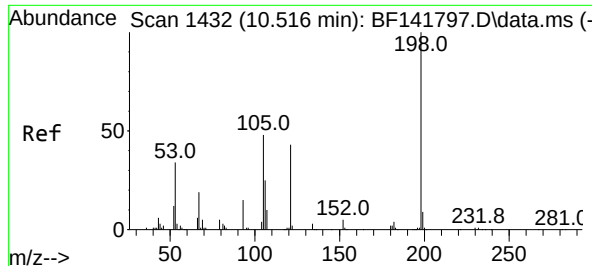
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

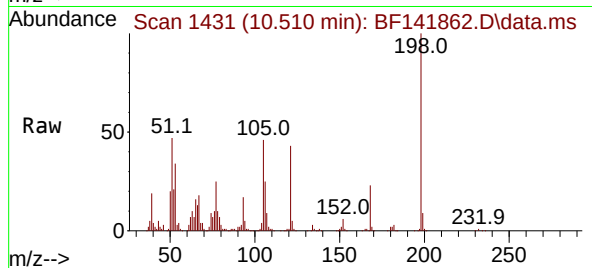
Tgt Ion:188 Resp: 789268
Ion Ratio Lower Upper
188 100
94 9.8 8.9 13.3
80 10.9 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 59.852 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

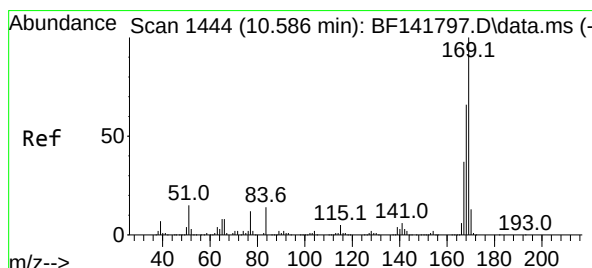
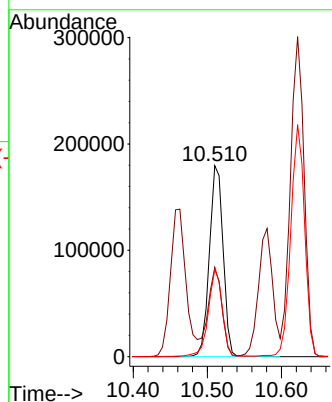
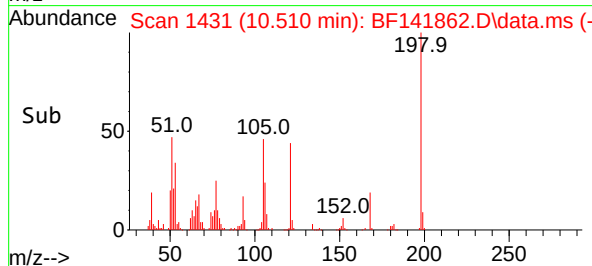
Instrument :
BNA_F
ClientSampleId :
PB166982BS



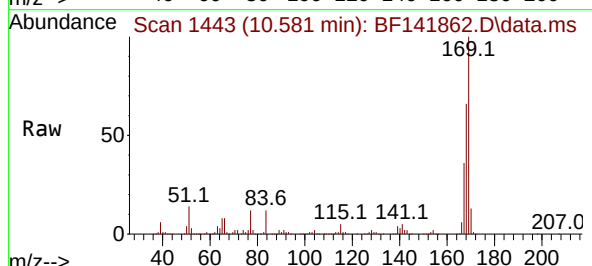
Tgt Ion:198 Resp: 231430
Ion Ratio Lower Upper
198 100
51 46.8 32.1 72.1
105 45.6 28.5 68.5

Manual Integrations
APPROVED

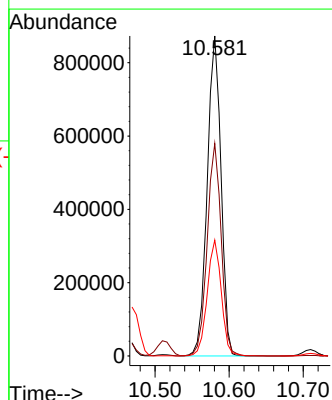
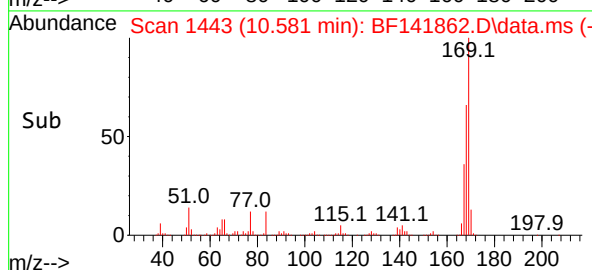
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

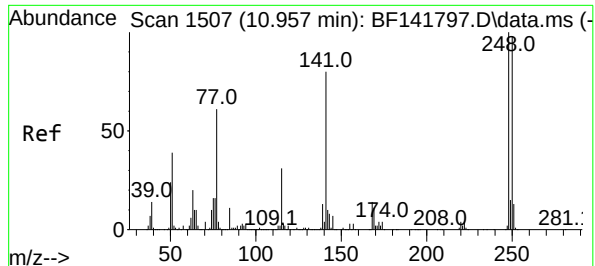


#66
n-Nitrosodiphenylamine
Concen: 43.596 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



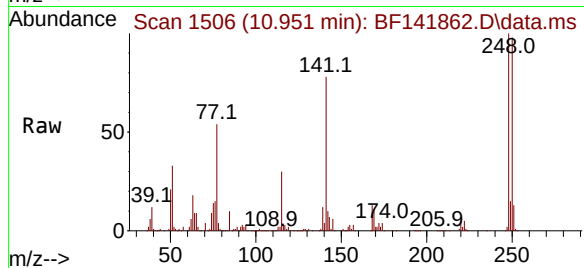
Tgt Ion:169 Resp: 1129867
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 36.2 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 44.376 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

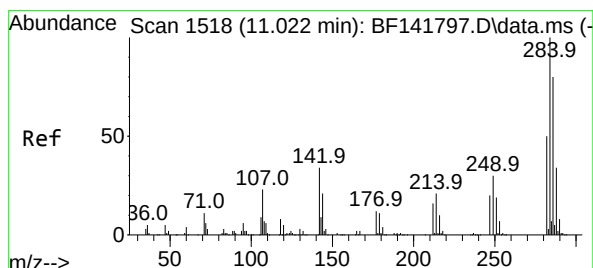
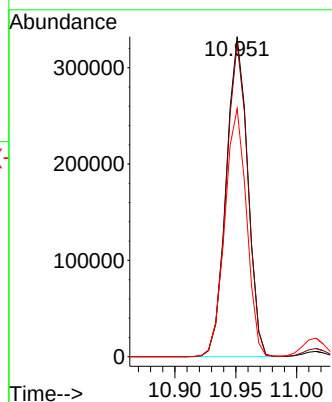
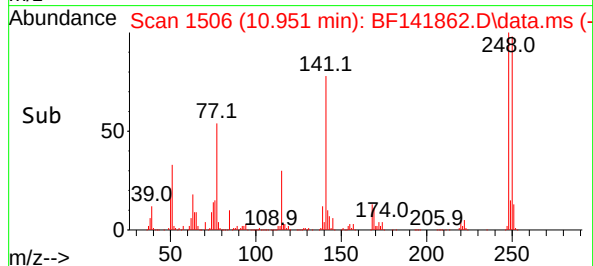
Instrument :
BNA_F
ClientSampleId :
PB166982BS



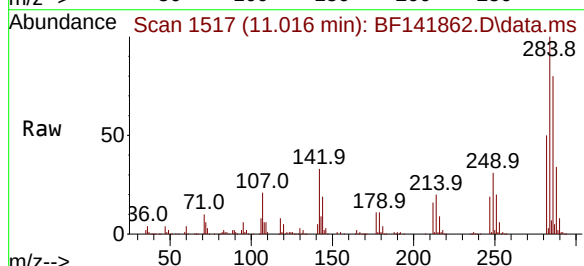
Tgt Ion:248 Resp: 409102
Ion Ratio Lower Upper
248 100
250 97.9 78.1 117.1
141 77.5 64.3 96.5

Manual Integrations
APPROVED

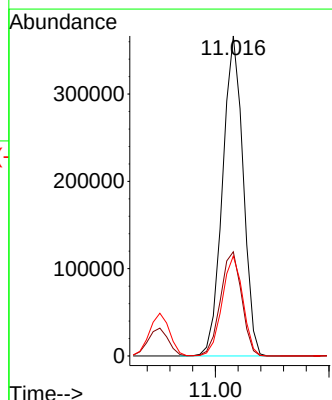
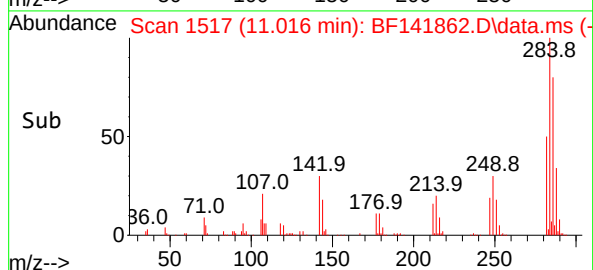
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

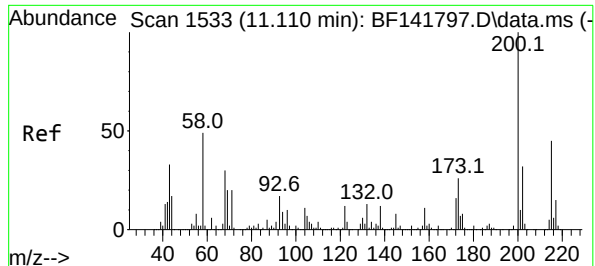


#68
Hexachlorobenzene
Concen: 47.300 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51



Tgt Ion:284 Resp: 460465
Ion Ratio Lower Upper
284 100
142 32.5 28.2 42.2
249 31.2 25.5 38.3





#69

Atrazine

Concen: 64.122 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:200 Resp: 456998

Ion Ratio Lower Upper

200 100

173 25.4 5.6 45.6

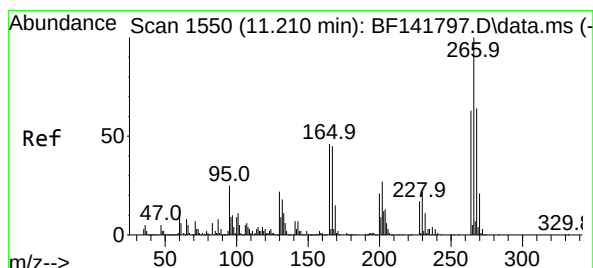
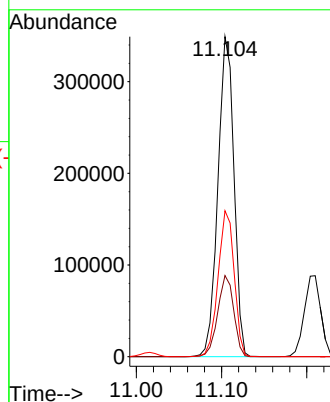
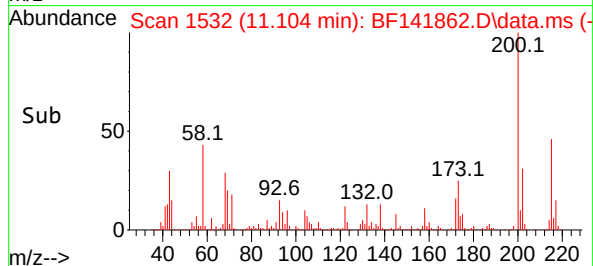
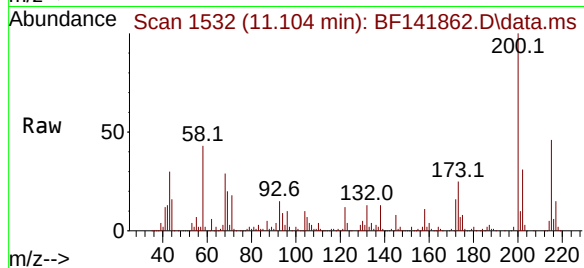
215 45.6 25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#70

Pentachlorophenol

Concen: 97.683 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

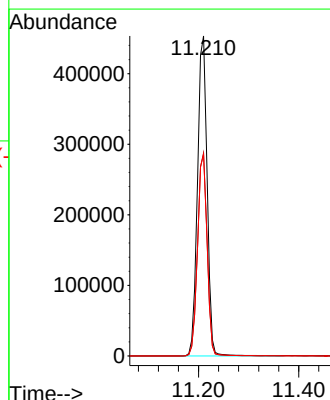
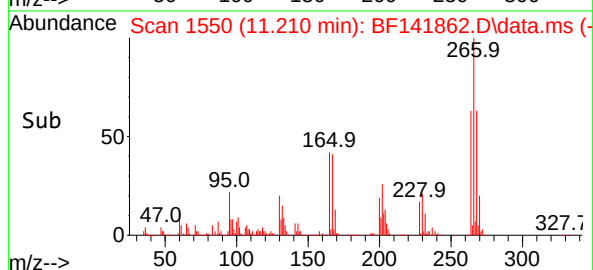
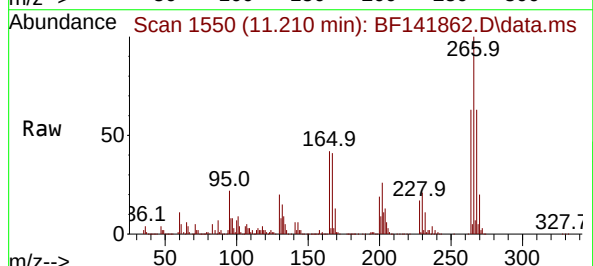
Tgt Ion:266 Resp: 603121

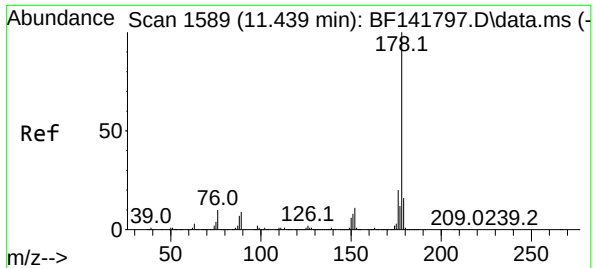
Ion Ratio Lower Upper

266 100

268 63.4 50.9 76.3

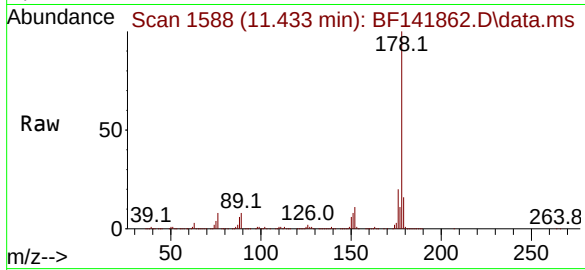
264 63.1 50.2 75.4





#71
Phenanthrene
Concen: 45.456 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

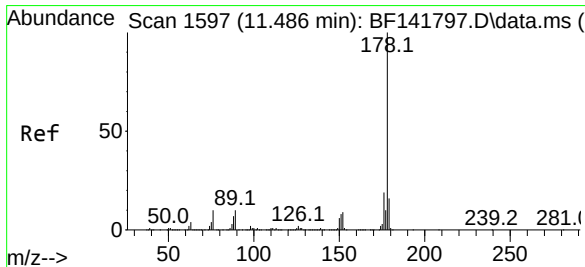
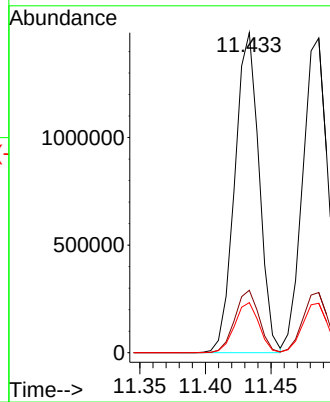
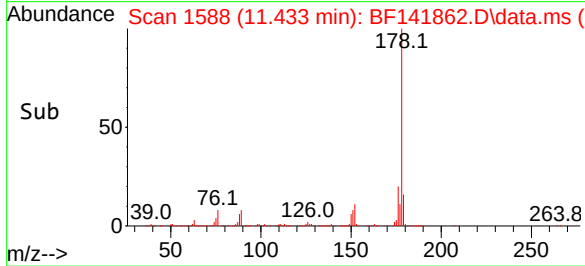
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:178 Resp: 1919079
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.6 12.6 19.0

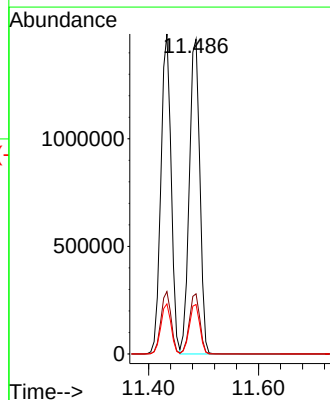
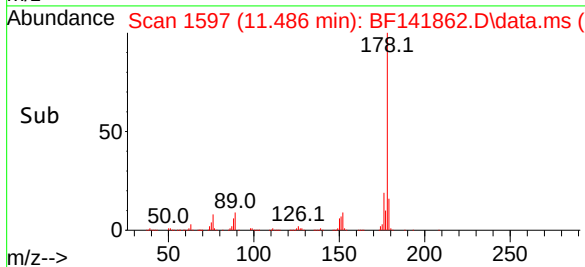
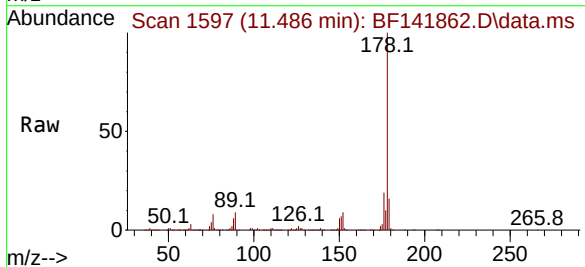
Manual Integrations
APPROVED

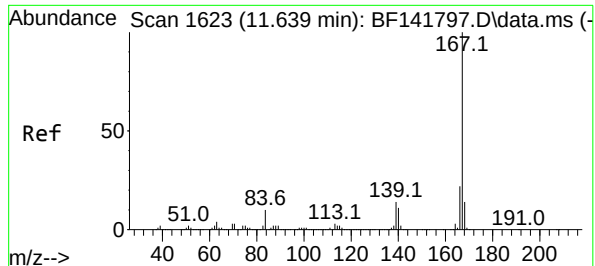
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#72
Anthracene
Concen: 45.759 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

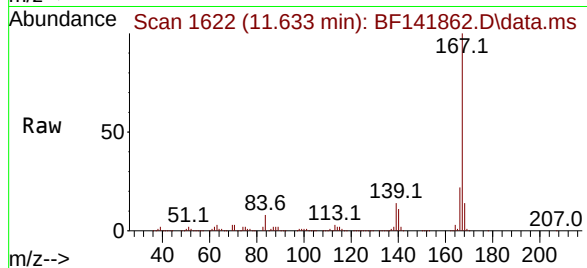
Tgt Ion:178 Resp: 1936157
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.7 12.8 19.2





#73
 Carbazole
 Concen: 45.601 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF141862.D
 Acq: 06 Mar 2025 11:51

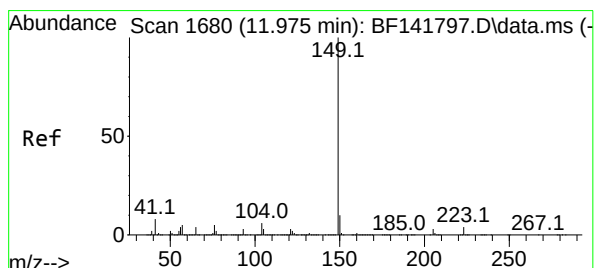
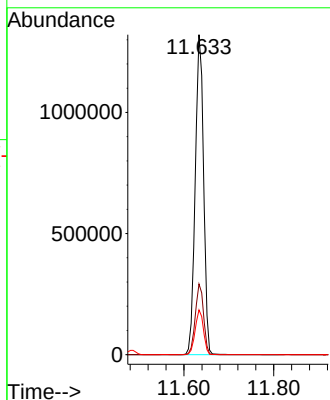
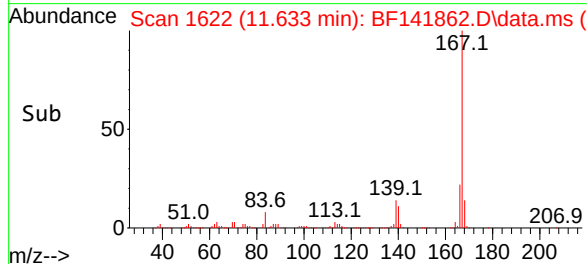
Instrument :
 BNA_F
 ClientSampleId :
 PB166982BS



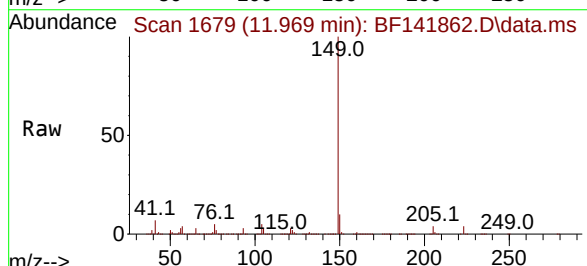
Tgt Ion:167 Resp: 1703879
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.5 26.3
 139 14.0 11.3 16.9

Manual Integrations
 APPROVED

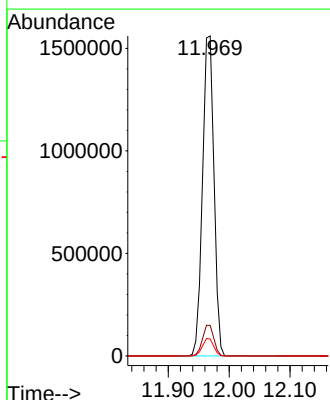
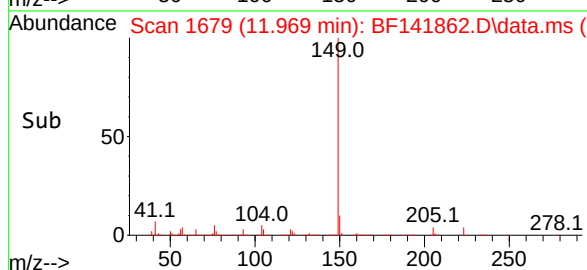
Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

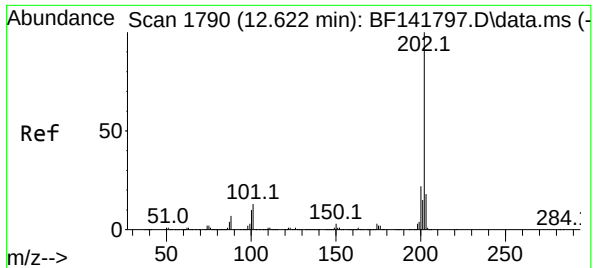


#74
 Di-n-butylphthalate
 Concen: 43.126 ng
 RT: 11.969 min Scan# 1679
 Delta R.T. -0.006 min
 Lab File: BF141862.D
 Acq: 06 Mar 2025 11:51



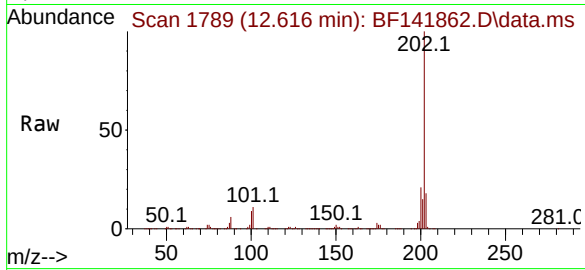
Tgt Ion:149 Resp: 2042563
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.7 11.5
 104 5.3 4.4 6.6





#75
Fluoranthene
Concen: 46.480 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

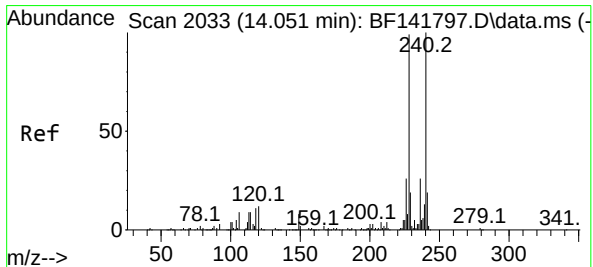
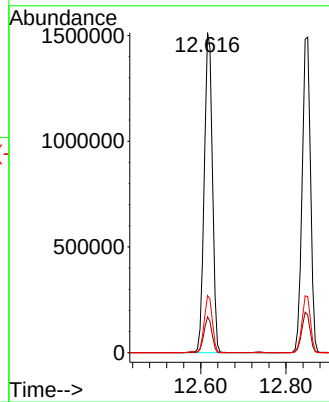
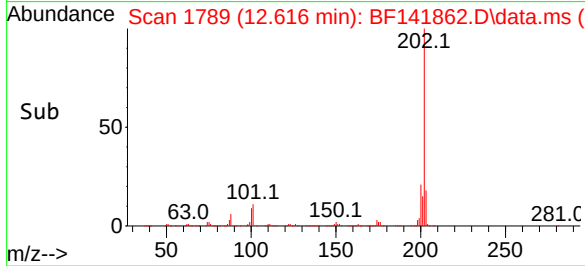
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:202 Resp: 201070
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.8
203 17.8 0.0 38.0

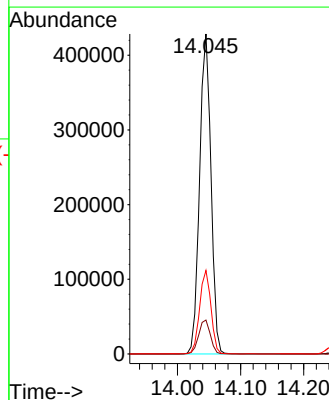
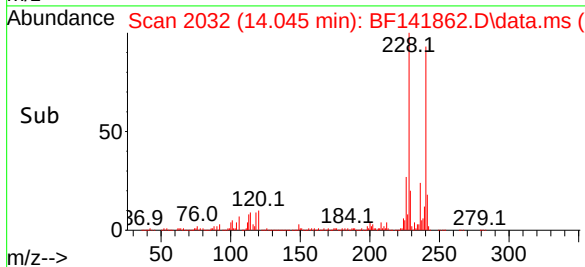
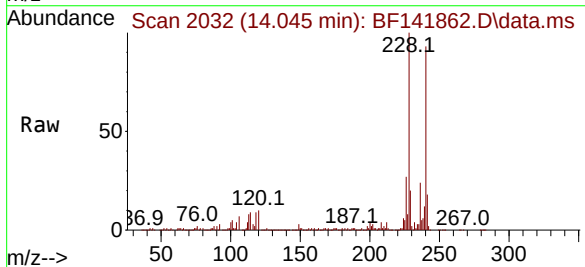
Manual Integrations
APPROVED

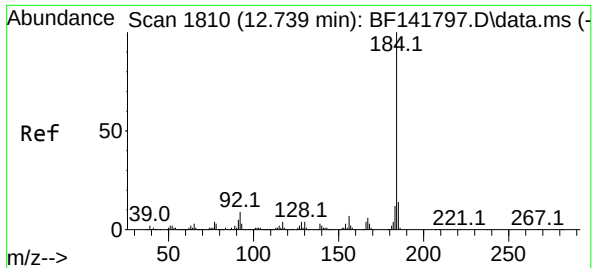
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

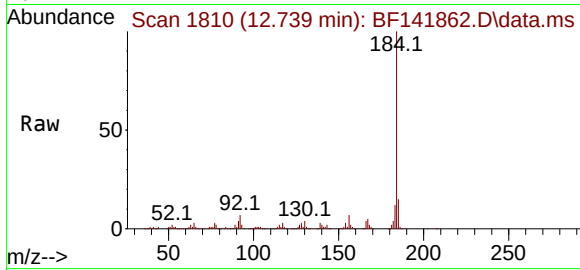
Tgt Ion:240 Resp: 533191
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 26.1 21.0 31.4





#77
Benzidine
Concen: 104.868 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

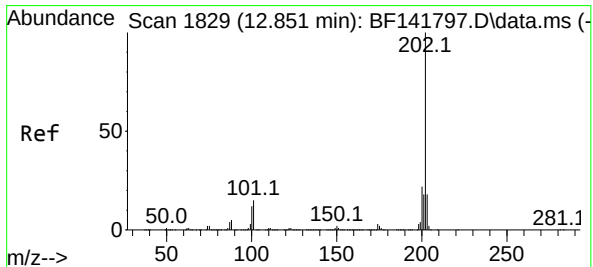
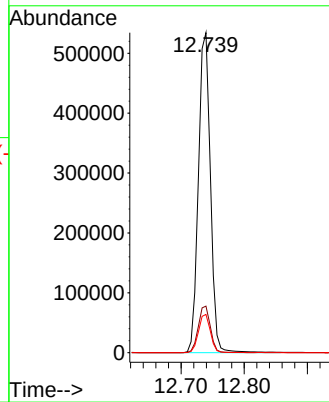
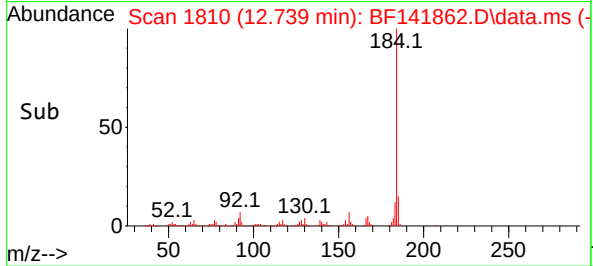
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:184 Resp: 70376
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 12.0 9.4 14.0

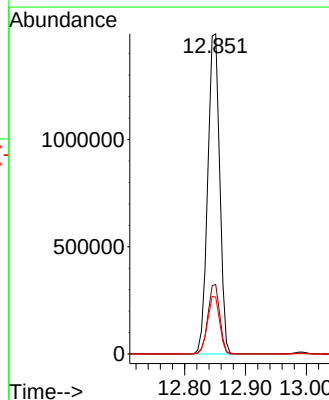
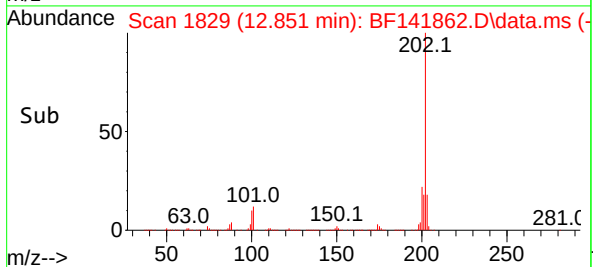
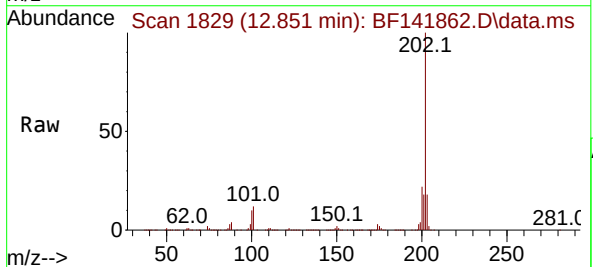
Manual Integrations
APPROVED

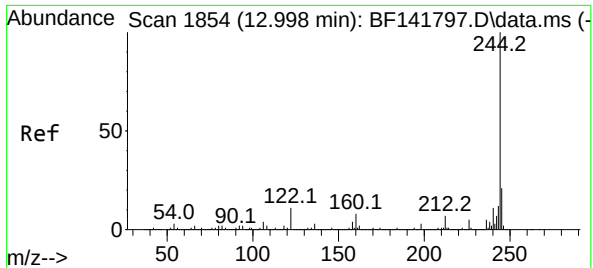
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#78
Pyrene
Concen: 44.041 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:202 Resp: 2033437
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.0
203 17.8 14.6 22.0





#79

Terphenyl-d14

Concen: 99.859 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF141862.D

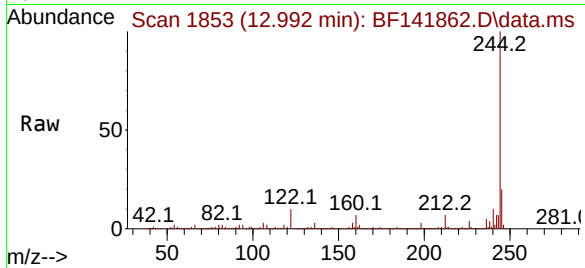
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS



Tgt Ion:244 Resp: 3290879

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

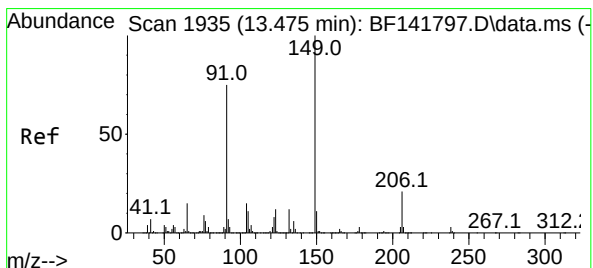
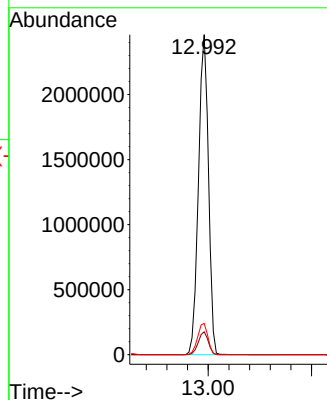
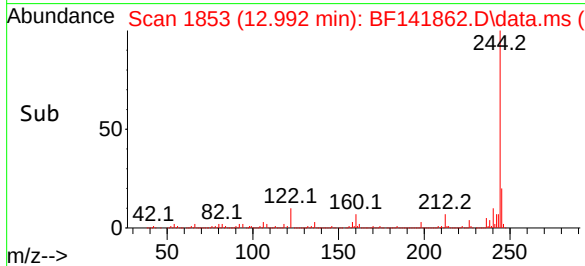
122 9.8 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#80

Butylbenzylphthalate

Concen: 46.457 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

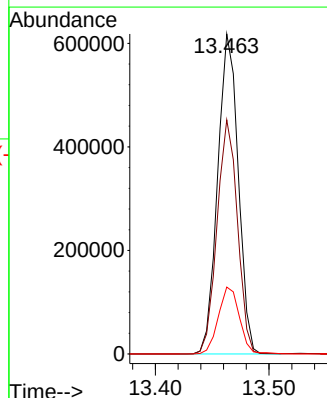
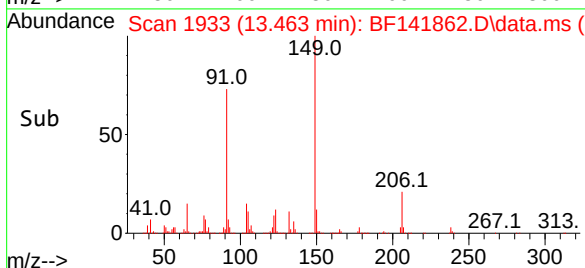
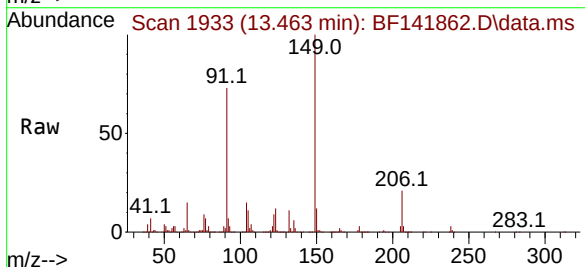
Tgt Ion:149 Resp: 779324

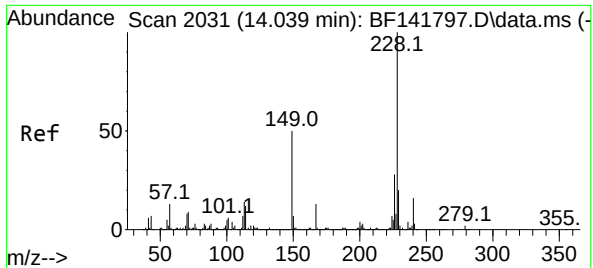
Ion Ratio Lower Upper

149 100

91 73.2 60.1 90.1

206 20.9 16.8 25.2





#81

Benzo(a)anthracene

Concen: 45.626 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:228 Resp: 1606850

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

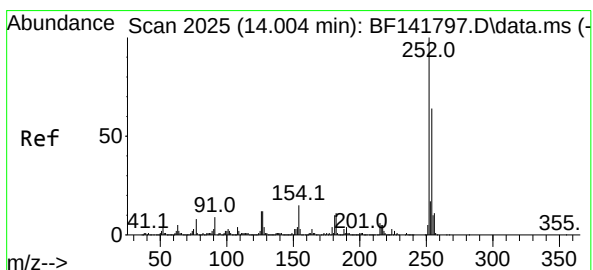
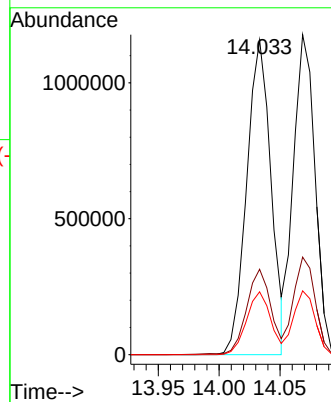
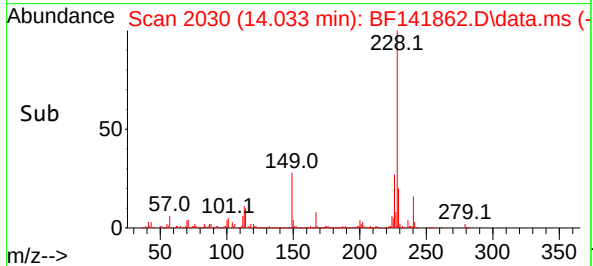
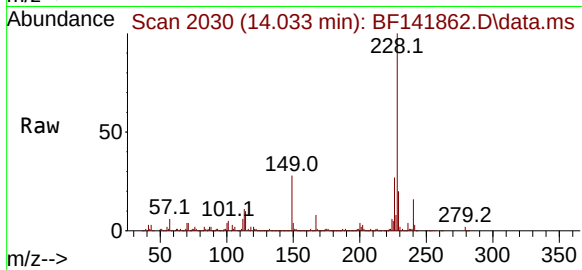
229 20.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#82

3,3'-Dichlorobenzidine

Concen: 28.453 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

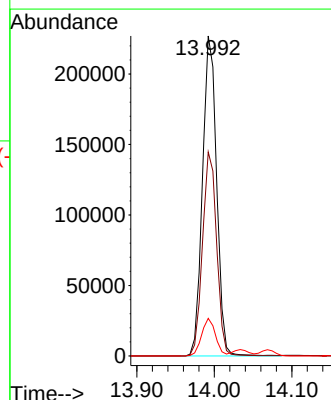
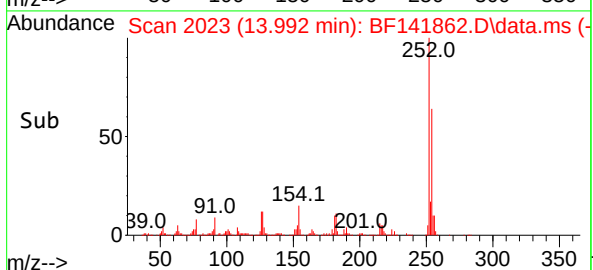
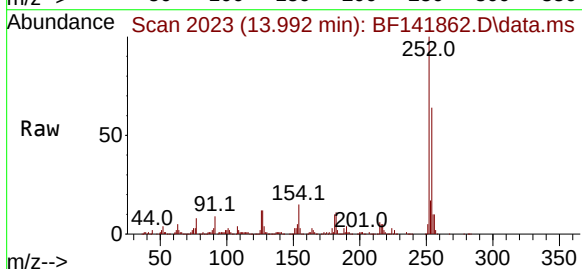
Tgt Ion:252 Resp: 287502

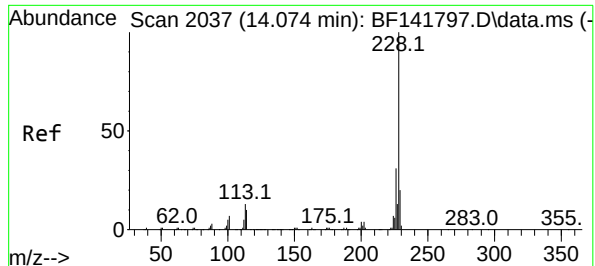
Ion Ratio Lower Upper

252 100

254 63.8 51.4 77.0

126 11.8 9.8 14.6





#83

Chrysene

Concen: 45.012 ng

RT: 14.069 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:228 Resp: 1461304

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

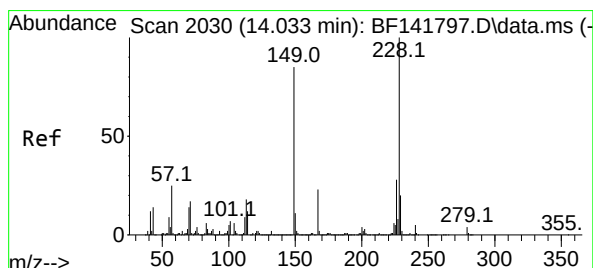
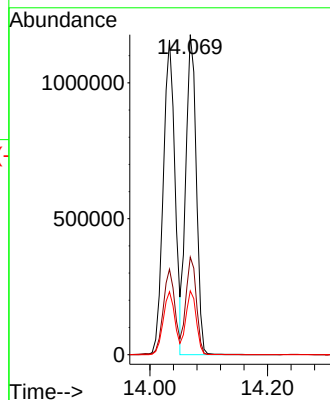
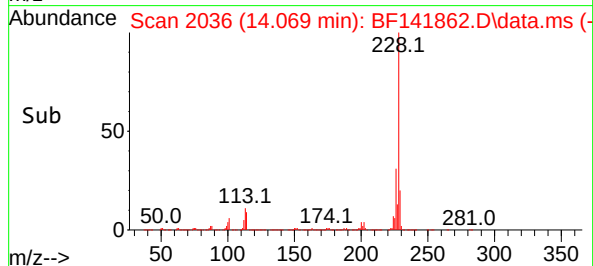
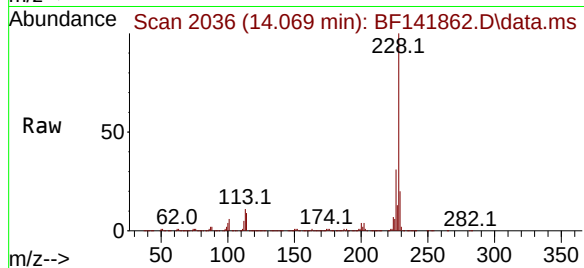
229 20.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.591 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

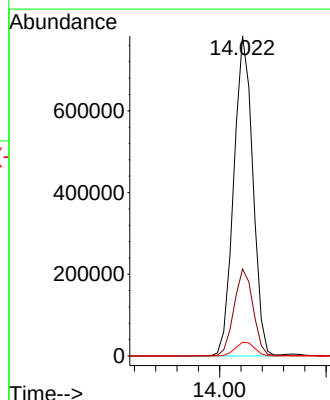
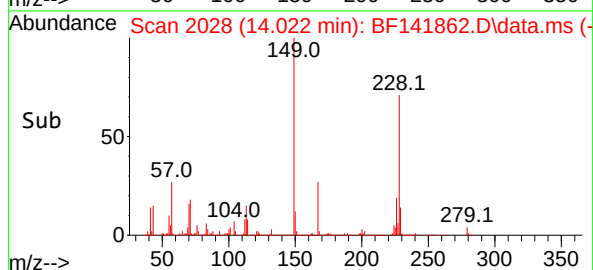
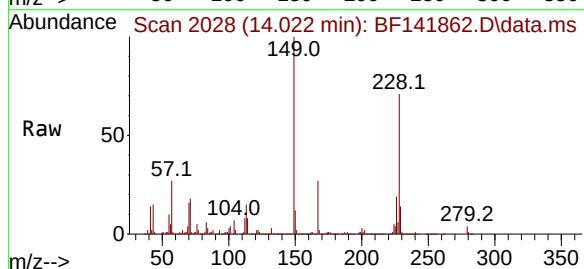
Tgt Ion:149 Resp: 973167

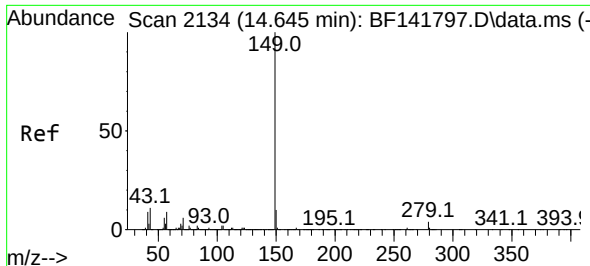
Ion Ratio Lower Upper

149 100

167 27.2 21.2 31.8

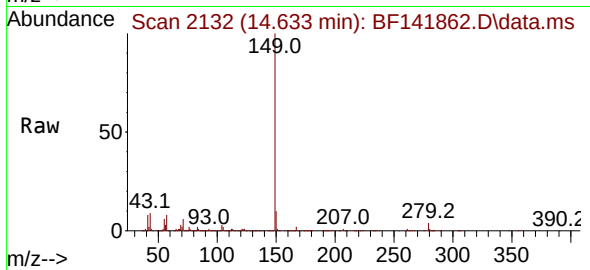
279 4.3 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 45.149 ng
RT: 14.633 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

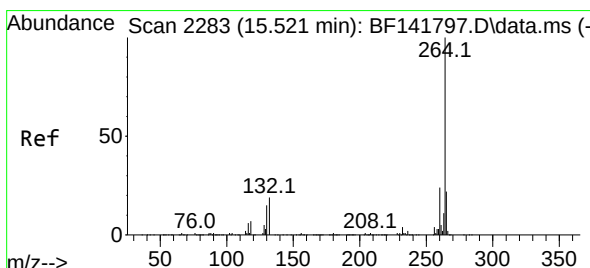
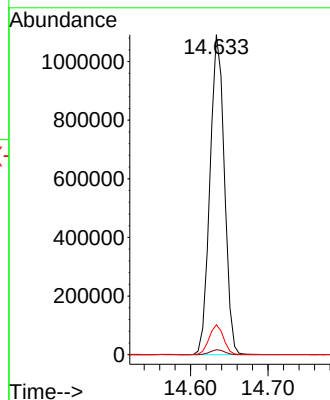
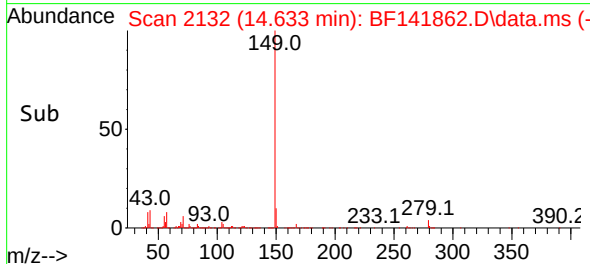
Instrument :
BNA_F
ClientSampleId :
PB166982BS



Tgt Ion:149 Resp: 1411858
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.2 8.6 12.8

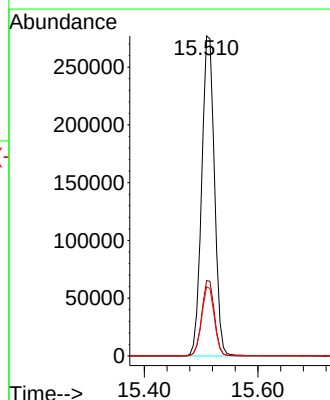
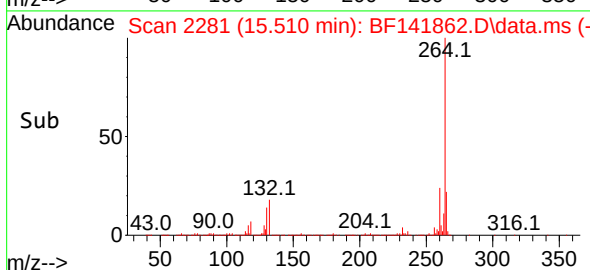
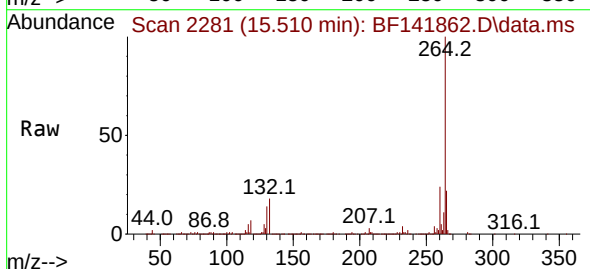
Manual Integrations
APPROVED

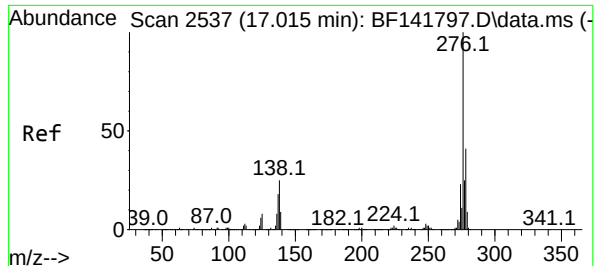
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:264 Resp: 432459
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.858 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:276 Resp: 1400520

Ion Ratio Lower Upper

276 100

138 24.8 22.5 33.7

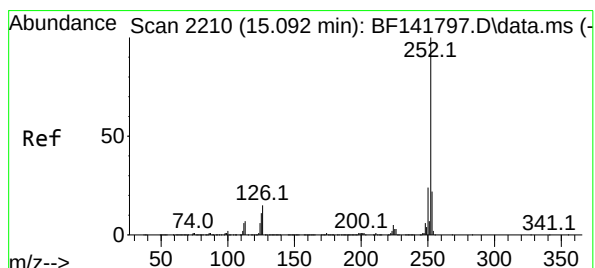
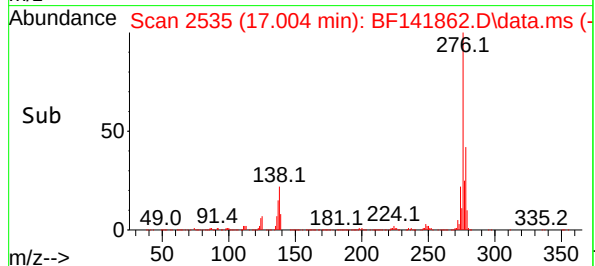
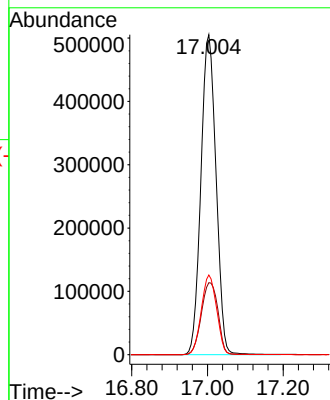
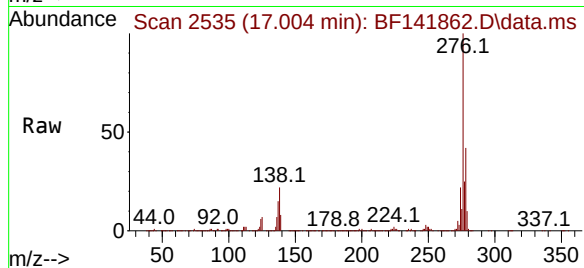
277 25.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#88

Benzo(b)fluoranthene

Concen: 44.975 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

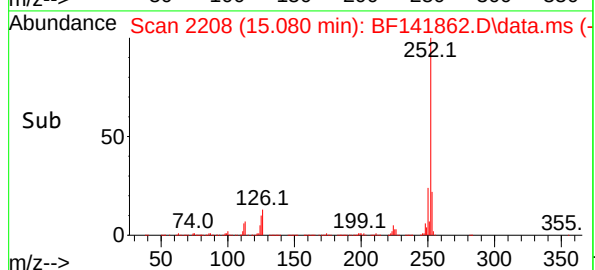
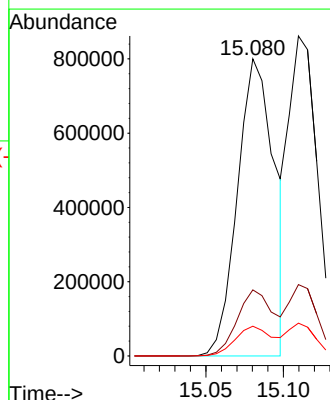
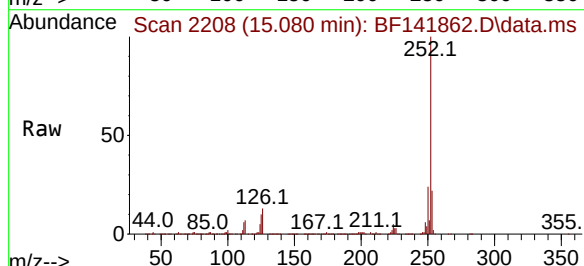
Tgt Ion:252 Resp: 1324873

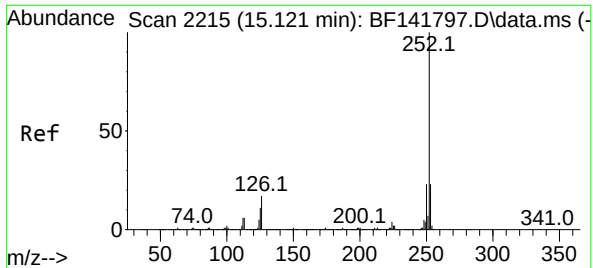
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 10.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 44.371 ng

RT: 15.110 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

Tgt Ion:252 Resp: 1110972

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

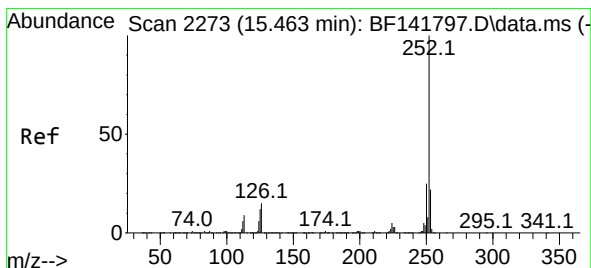
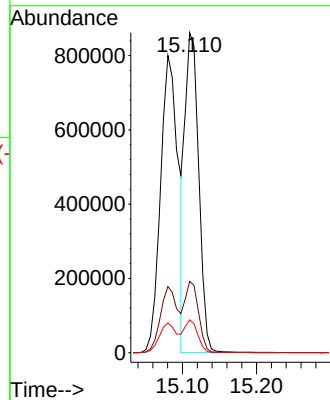
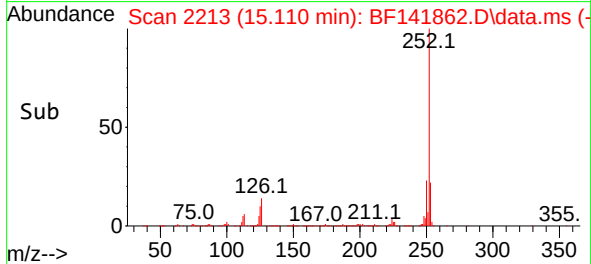
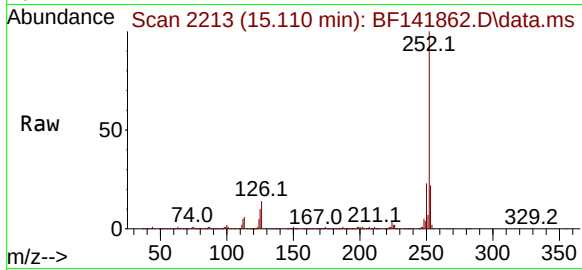
125 10.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#90

Benzo(a)pyrene

Concen: 48.062 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141862.D

Acq: 06 Mar 2025 11:51

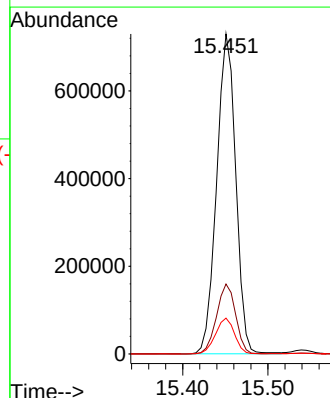
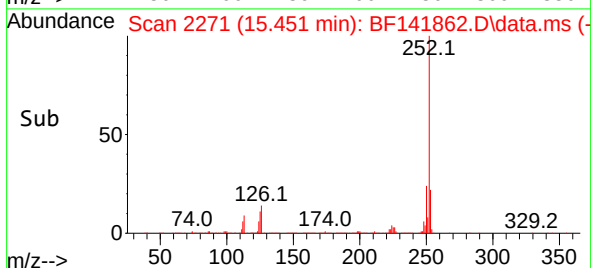
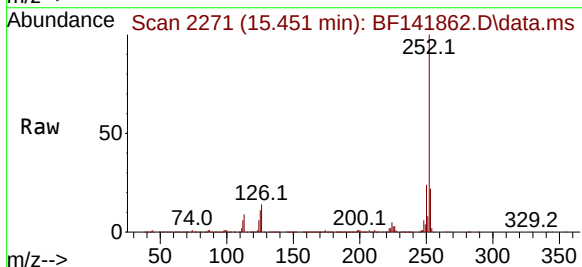
Tgt Ion:252 Resp: 1135461

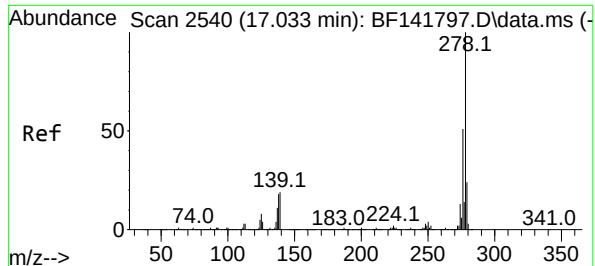
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.2 9.4 14.2





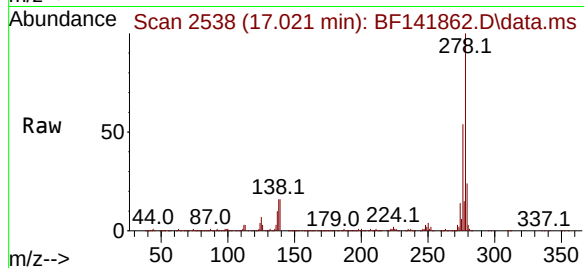
#91
Dibenzo(a,h)anthracene
Concen: 49.889 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Instrument :

BNA_F

ClientSampleId :

PB166982BS

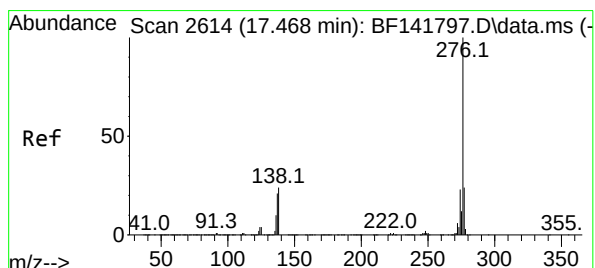
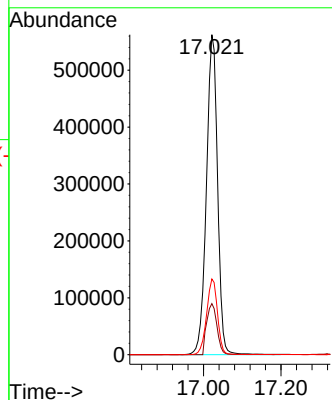
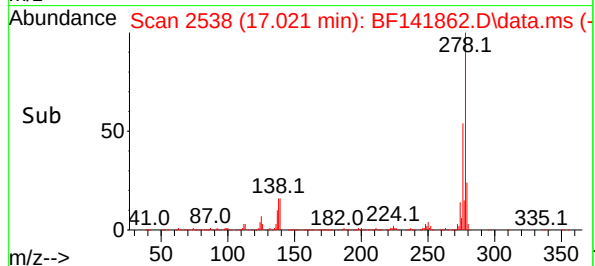


Tgt Ion:278 Resp: 1121408
Ion Ratio Lower Upper
278 100
139 16.0 14.9 22.3
279 23.7 19.3 28.9

Manual Integrations

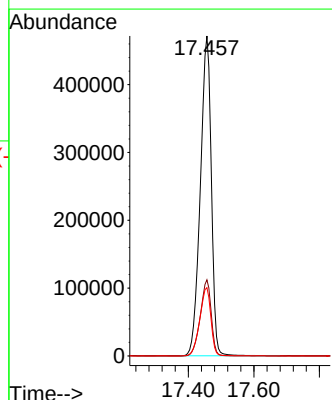
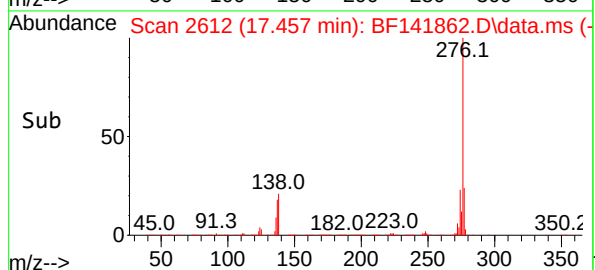
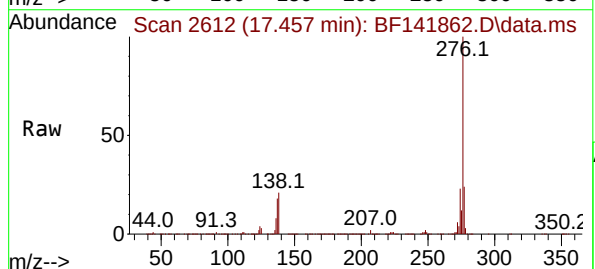
APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 47.722 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141862.D
Acq: 06 Mar 2025 11:51

Tgt Ion:276 Resp: 1098929
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.0
138 21.3 19.3 28.9



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BSD	SDG No.:	Q1478
Lab Sample ID:	PB166982BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141863.D	1	03/05/25 08:35	03/06/25 12:21	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	23.1		4.00	10.0	ug/L
108-95-2	Phenol	41.6		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	44.8		0.71	5.00	ug/L
95-48-7	2-Methylphenol	43.2		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.1		1.40	5.00	ug/L
98-86-2	Acetophenone	46.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.8		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38.5		1.50	2.50	ug/L
67-72-1	Hexachloroethane	44.7		1.00	5.00	ug/L
98-95-3	Nitrobenzene	48.5		1.30	5.00	ug/L
78-59-1	Isophorone	43.1		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	53.4		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	53.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.1		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.6		0.88	5.00	ug/L
91-20-3	Naphthalene	43.1		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	20.1		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.6		1.30	5.00	ug/L
105-60-2	Caprolactam	50.5		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.9		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.2		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.8		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	48.0		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.3		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	51.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	44.6		0.93	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BSD	SDG No.:	Q1478
Lab Sample ID:	PB166982BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141863.D	1	03/05/25 08:35	03/06/25 12:21	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	51.6		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	34.7		1.40	5.00	ug/L
83-32-9	Acenaphthene	51.0		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	120	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	42.4		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.5		1.50	5.00	ug/L
84-66-2	Diethylphthalate	43.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.2		0.98	5.00	ug/L
86-73-7	Fluorene	44.5		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	61.0		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	59.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.0		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	46.8		1.10	5.00	ug/L
1912-24-9	Atrazine	63.7		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	97.3	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	45.5		0.89	5.00	ug/L
120-12-7	Anthracene	46.1		1.10	5.00	ug/L
86-74-8	Carbazole	46.4		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	42.7		1.50	5.00	ug/L
206-44-0	Fluoranthene	47.4		1.30	5.00	ug/L
129-00-0	Pyrene	42.3		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	45.7		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	29.7		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.6		0.94	5.00	ug/L
218-01-9	Chrysene	44.7		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.9		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.8		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.0		1.10	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	PB166982BSD	SDG No.:	Q1478
Lab Sample ID:	PB166982BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141863.D	1	03/05/25 08:35	03/06/25 12:21	PB166982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.2		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.5		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.3		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.0		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.2		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	39.6		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.7		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		15 (10) - 110 (139)	85%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.0		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174	*	15 (44) - 110 (137)	116%	SPK: 150
1718-51-0	Terphenyl-d14	95.1		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	219000	6.887			
1146-65-2	Naphthalene-d8	851000	8.169			
15067-26-2	Acenaphthene-d10	458000	9.922			
1517-22-2	Phenanthrene-d10	790000	11.404			
1719-03-5	Chrysene-d12	569000	14.045			
1520-96-3	Perylene-d12	469000	15.516			

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\BF030625\
 Data File : BF141863.D
 Acq On : 06 Mar 2025 12:21
 Operator : RC/JU
 Sample : PB166982BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166982BSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 06 13:20:09 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	218542	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	850562	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	458462	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	790298	20.000	ng	0.00
76) Chrysene-d12	14.045	240	569230	20.000	ng	0.00
86) Perylene-d12	15.516	264	468514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1752700	128.078	ng	0.02
7) Phenol-d6	6.510	99	2176919	122.218	ng	0.00
23) Nitrobenzene-d5	7.445	82	1444229	108.534	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	749833	174.213	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2687024	93.977	ng	0.00
79) Terphenyl-d14	12.992	244	3345532	95.090	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.799	88	245824	39.589	ng	96
3) Pyridine	3.552	79	597312	38.662	ng	96
4) n-Nitrosodimethylamine	3.499	42	308594	41.513	ng	# 98
6) Aniline	6.546	93	674037	36.400	ng	100
8) 2-Chlorophenol	6.669	128	662613	44.760	ng	95
9) Benzaldehyde	6.434	77	238789	23.047	ng	100
10) Phenol	6.522	94	792480	41.636	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	596528	41.116	ng	97
12) 1,3-Dichlorobenzene	6.828	146	691448	43.615	ng	99
13) 1,4-Dichlorobenzene	6.904	146	705397	44.160	ng	99
14) 1,2-Dichlorobenzene	7.057	146	671122	44.993	ng	99
15) Benzyl Alcohol	7.022	79	591716	41.567	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	773514	35.106	ng	96
17) 2-Methylphenol	7.134	107	527893	43.202	ng	99
18) Hexachloroethane	7.398	117	267400	44.725	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	450272	38.456	ng	98
20) 3+4-Methylphenols	7.281	107	650789	42.771	ng	94
22) Acetophenone	7.293	105	970026	46.826	ng	99
24) Nitrobenzene	7.463	77	690687	48.471	ng	100
25) Isophorone	7.704	82	1232538	43.115	ng	98
26) 2-Nitrophenol	7.781	139	343487	53.396	ng	97
27) 2,4-Dimethylphenol	7.810	122	566807	53.938	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	731505	40.113	ng	100
29) 2,4-Dichlorophenol	8.016	162	540126	44.554	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	590826	44.476	ng	99
31) Naphthalene	8.187	128	1884687	43.113	ng	99
32) Benzoic acid	7.934	122	460651	51.796	ng	98
33) 4-Chloroaniline	8.234	127	321805	20.077	ng	98
34) Hexachlorobutadiene	8.304	225	384615	46.592	ng	98
35) Caprolactam	8.598	113	188248m	50.476	ng	
36) 4-Chloro-3-methylphenol	8.710	107	591369	43.912	ng	98
37) 2-Methylnaphthalene	8.881	142	1181958	41.221	ng	99
38) 1-Methylnaphthalene	8.975	142	1150355	41.811	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	651413	49.197	ng	99
41) Hexachlorocyclopentadiene	9.034	237	859046	155.461	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	401927	46.992	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141863.D
 Acq On : 06 Mar 2025 12:21
 Operator : RC/JU
 Sample : PB166982BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166982BSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 06 13:20:09 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	413188	48.786	ng	98
46) 1,1'-Biphenyl	9.339	154	1676041	48.029	ng	99
47) 2-Chloronaphthalene	9.369	162	1141918	44.336	ng	99
48) 2-Nitroaniline	9.457	65	364440	51.359	ng	97
49) Acenaphthylene	9.781	152	1786900	46.273	ng	99
50) Dimethylphthalate	9.639	163	1369183	44.596	ng	100
51) 2,6-Dinitrotoluene	9.704	165	304076	51.550	ng	92
52) Acenaphthene	9.957	154	1328050	50.968	ng	99
53) 3-Nitroaniline	9.869	138	211617	34.701	ng	# 93
54) 2,4-Dinitrophenol	9.975	184	367510	117.425	ng	# 1
55) Dibenzofuran	10.128	168	1607693	42.391	ng	100
56) 4-Nitrophenol	10.028	139	553259	122.009	ng	95
57) 2,4-Dinitrotoluene	10.104	165	417704	57.474	ng	96
58) Fluorene	10.469	166	1265412	44.544	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	358697	48.696	ng	99
60) Diethylphthalate	10.345	149	1328398	43.160	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	629150	44.202	ng	99
62) 4-Nitroaniline	10.486	138	319616	60.958	ng	98
63) Azobenzene	10.622	77	1289983	39.805	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	230269	59.526	ng	94
66) n-Nitrosodiphenylamine	10.581	169	1115654	42.991	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	400867	43.426	ng	98
68) Hexachlorobenzene	11.016	284	455692	46.749	ng	98
69) Atrazine	11.104	200	454566	63.698	ng	99
70) Pentachlorophenol	11.210	266	601294	97.260	ng	100
71) Phenanthrene	11.433	178	1923192	45.494	ng	99
72) Anthracene	11.486	178	1952460	46.084	ng	100
73) Carbazole	11.633	167	1736199	46.406	ng	100
74) Di-n-butylphthalate	11.969	149	2025906	42.719	ng	100
75) Fluoranthene	12.616	202	2053372	47.405	ng	98
77) Benzidine	12.739	184	799850	111.640	ng	100
78) Pyrene	12.845	202	2085318	42.306	ng	100
80) Butylbenzylphthalate	13.463	149	818517	45.705	ng	98
81) Benzo(a)anthracene	14.033	228	1676262	44.583	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	320647	29.725	ng	99
83) Chrysene	14.069	228	1549956	44.720	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	1045650	46.892	ng	99
85) Di-n-octyl phthalate	14.633	149	1528127	45.774	ng	96
87) Indeno(1,2,3-cd)pyrene	17.004	276	1350529	45.269	ng	97
88) Benzo(b)fluoranthene	15.080	252	1402993	43.962	ng	100
89) Benzo(k)fluoranthene	15.116	252	1224702	45.150	ng	98
90) Benzo(a)pyrene	15.451	252	1215083	47.474	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	1095175	44.973	ng	97
92) Benzo(g,h,i)perylene	17.457	276	1042057	41.770	ng	97

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

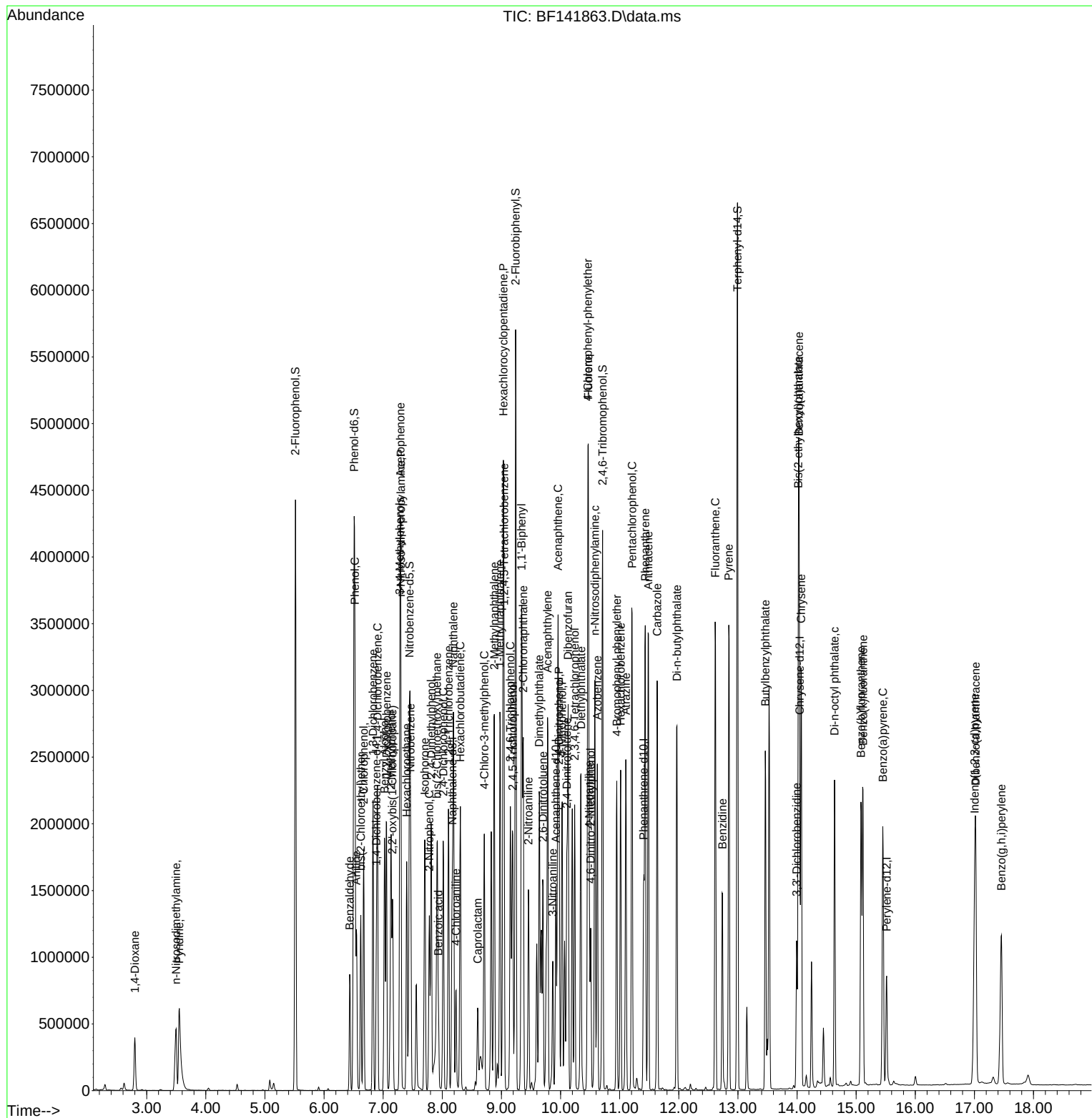
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Data File : BF141863.D
Acq On : 06 Mar 2025 12:21
Operator : RC/JU
Sample : PB166982BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

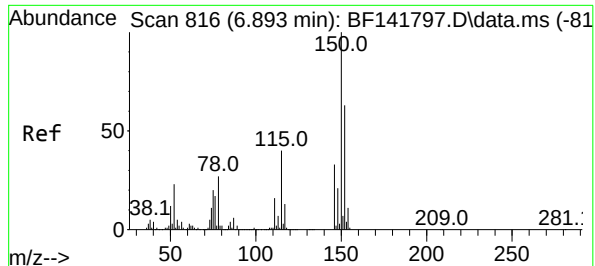
Instrument :
BNA_F
ClientSampleId :
PB166982BSD

Quant Time: Mar 06 13:20:09 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

Manual Integrations
APPROVED

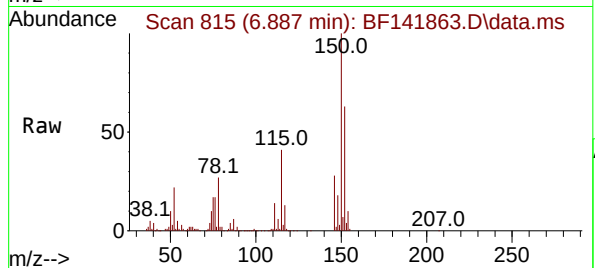
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

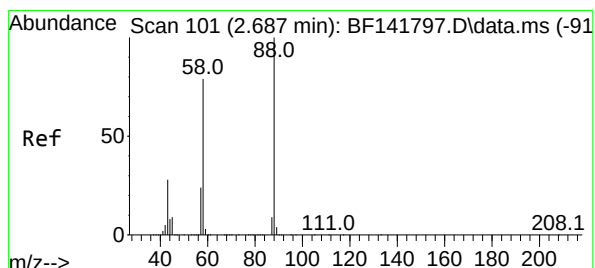
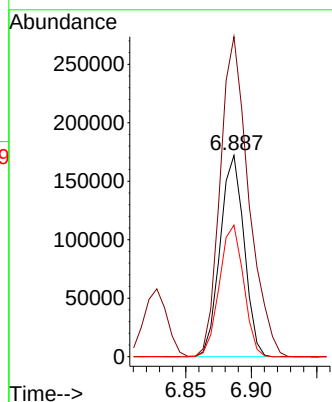
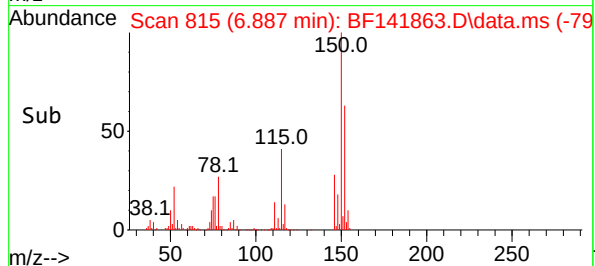
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



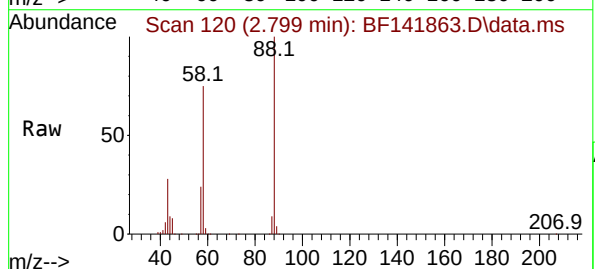
Tgt Ion:152 Resp: 21854
Ion Ratio Lower Upper
152 100
150 159.0 127.5 191.3
115 65.3 51.4 77.2

Manual Integrations
APPROVED

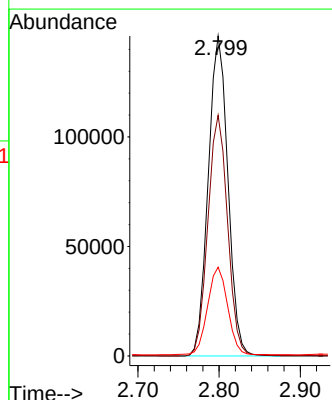
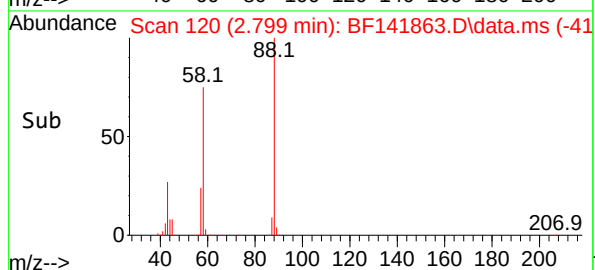
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

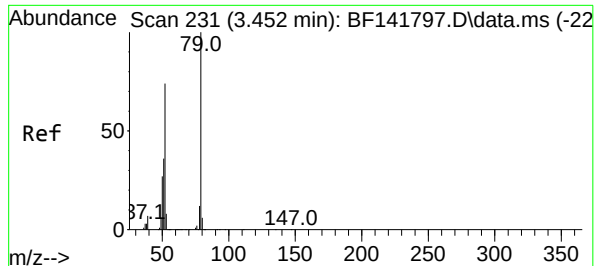


#2
1,4-Dioxane
Concen: 39.589 ng
RT: 2.799 min Scan# 120
Delta R.T. 0.112 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



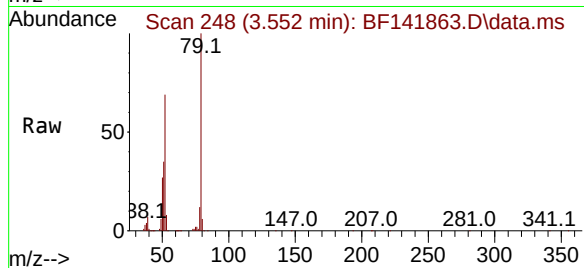
Tgt Ion: 88 Resp: 245824
Ion Ratio Lower Upper
88 100
58 75.3 63.9 95.9
43 28.0 23.0 34.6





#3
Pyridine
Concen: 38.662 ng
RT: 3.552 min Scan# 241
Delta R.T. 0.100 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

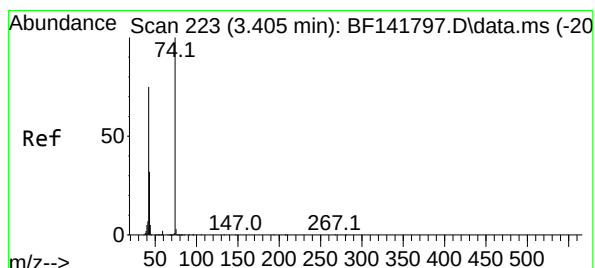
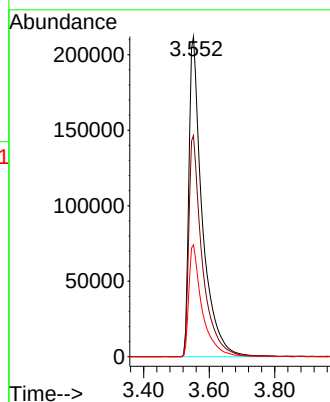
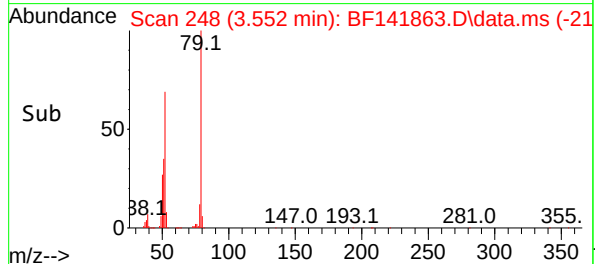
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion: 79 Resp: 597312
Ion Ratio Lower Upper
79 100
52 69.1 59.0 88.4
51 35.0 29.0 43.4

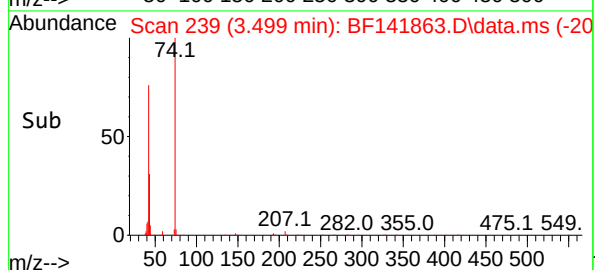
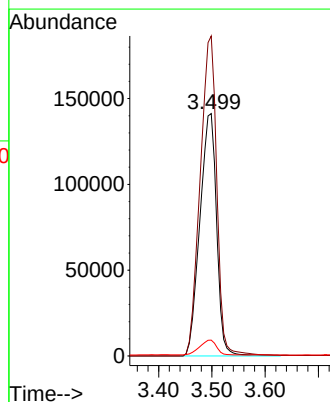
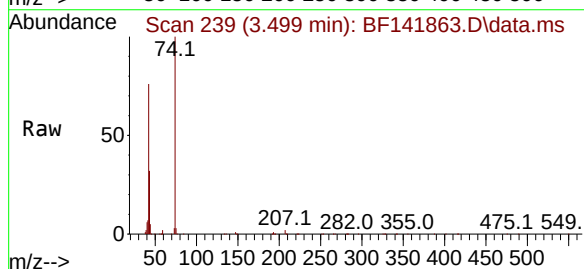
Manual Integrations
APPROVED

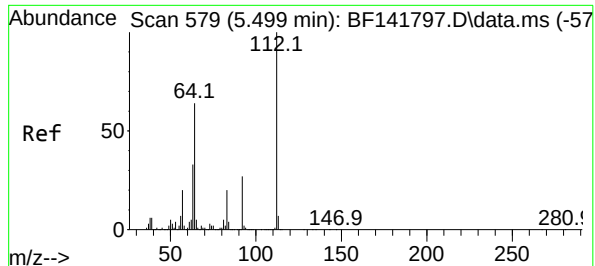
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#4
n-Nitrosodimethylamine
Concen: 41.513 ng
RT: 3.499 min Scan# 239
Delta R.T. 0.094 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

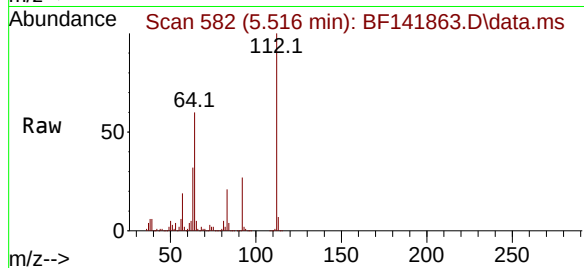
Tgt Ion: 42 Resp: 308594
Ion Ratio Lower Upper
42 100
74 132.0 107.1 160.7
44 6.5 6.6 9.8





#5
2-Fluorophenol
Concen: 128.078 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

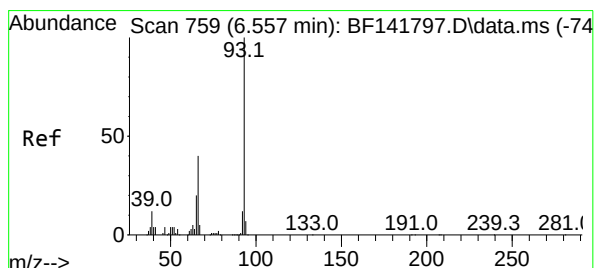
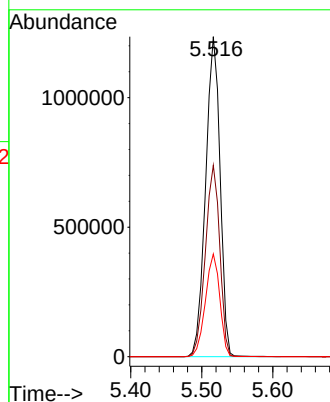
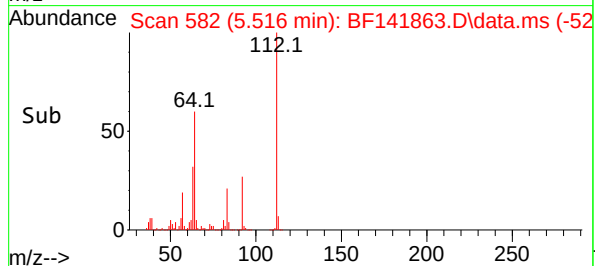
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion: 112 Resp: 1752700
Ion Ratio Lower Upper
112 100
64 59.8 51.3 76.9
63 32.1 26.2 39.4

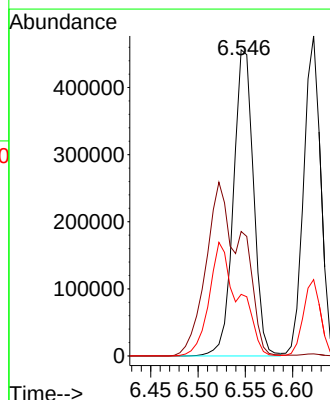
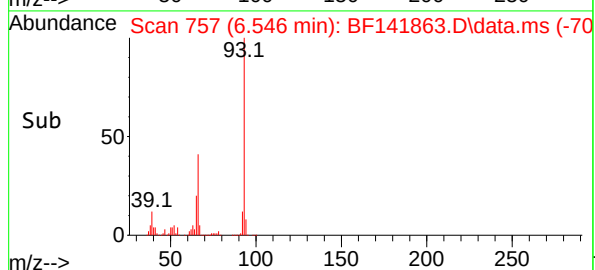
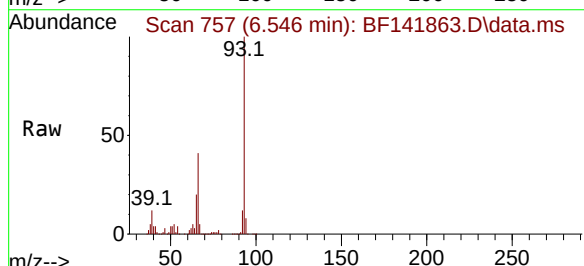
Manual Integrations
APPROVED

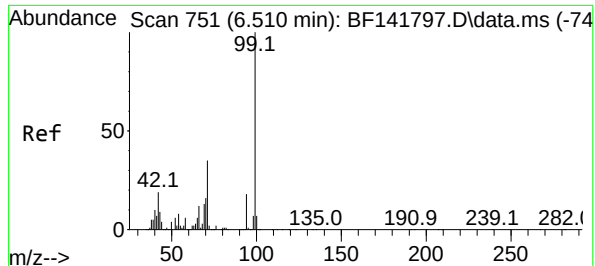
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#6
Aniline
Concen: 36.400 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

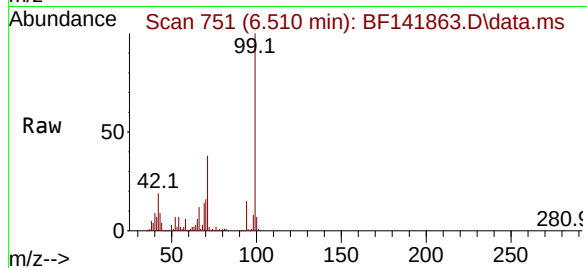
Tgt Ion: 93 Resp: 674037
Ion Ratio Lower Upper
93 100
66 40.7 32.3 48.5
65 20.2 15.9 23.9





#7
Phenol-d6
Concen: 122.218 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

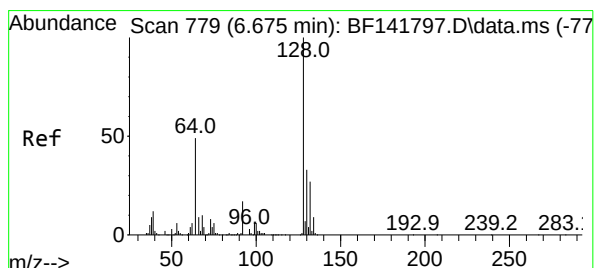
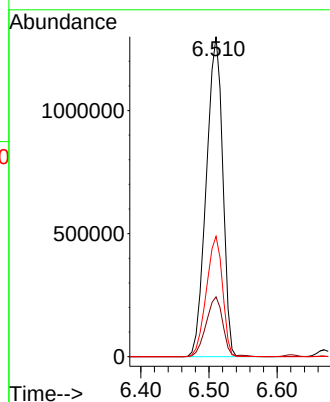
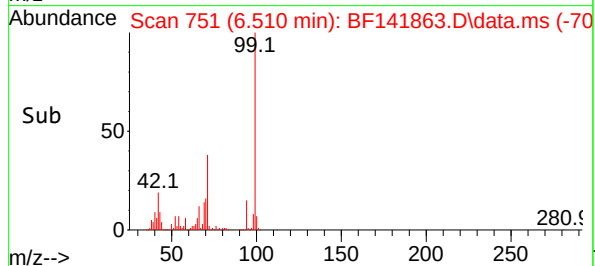
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



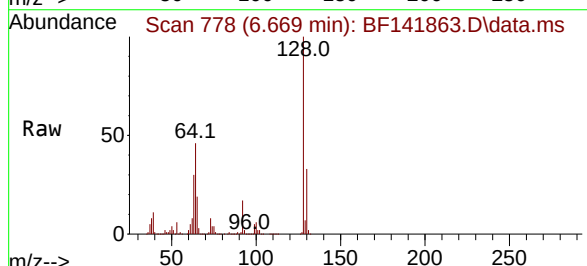
Tgt Ion: 99 Resp: 2176919
Ion Ratio Lower Upper
99 100
42 18.7 15.2 22.8
71 37.6 28.2 42.2

Manual Integrations
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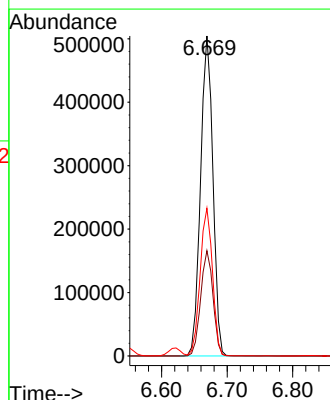
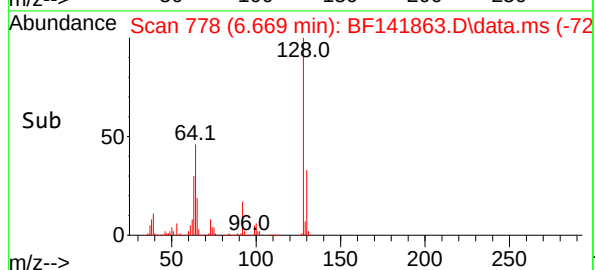
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

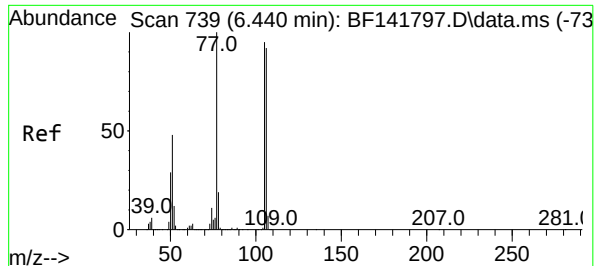


#8
2-Chlorophenol
Concen: 44.760 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



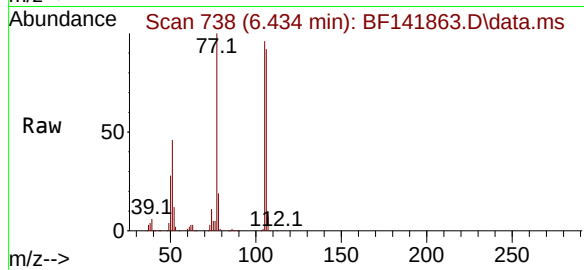
Tgt Ion:128 Resp: 662613
Ion Ratio Lower Upper
128 100
130 32.9 12.6 52.6
64 46.2 31.1 71.1





#9
Benzaldehyde
Concen: 23.047 ng
RT: 6.434 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

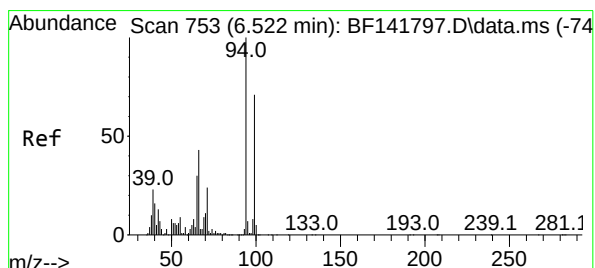
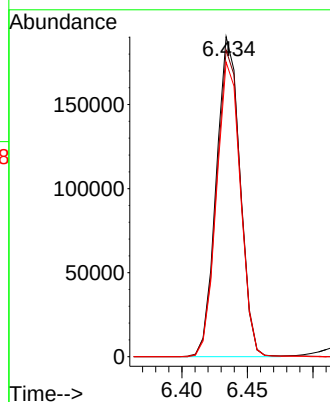
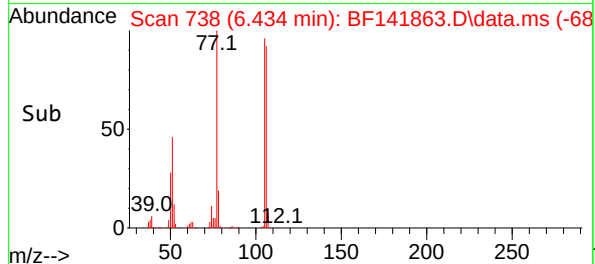
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion: 77 Resp: 238789
Ion Ratio Lower Upper
77 100
105 95.8 75.3 115.3
106 92.1 72.3 112.3

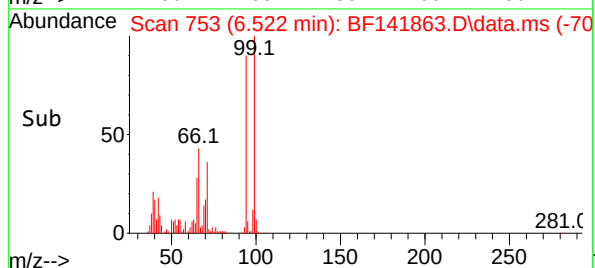
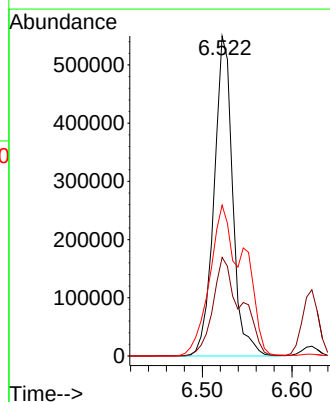
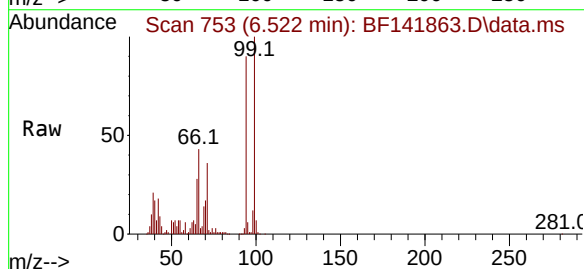
Manual Integrations
APPROVED

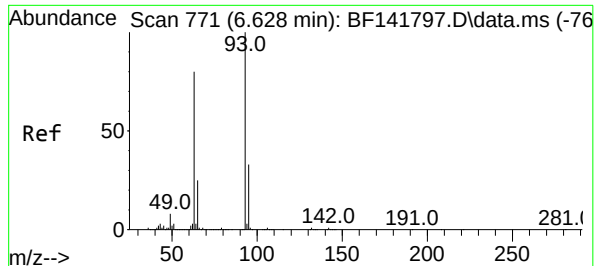
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#10
Phenol
Concen: 41.636 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

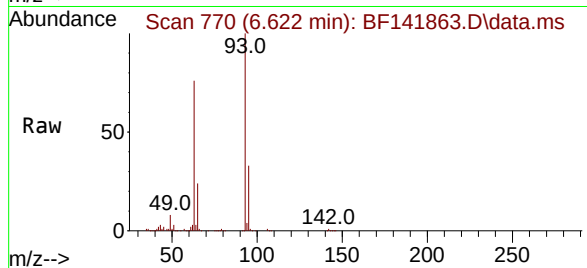
Tgt Ion: 94 Resp: 792480
Ion Ratio Lower Upper
94 100
65 30.8 10.2 50.2
66 47.1 23.2 63.2





#11
bis(2-Chloroethyl)ether
Concen: 41.116 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

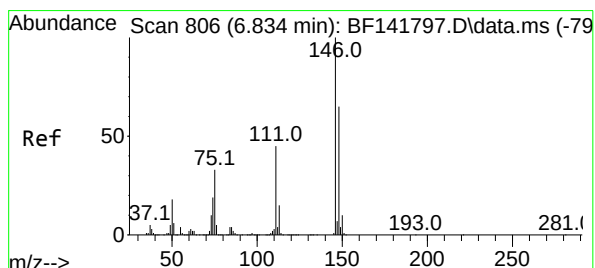
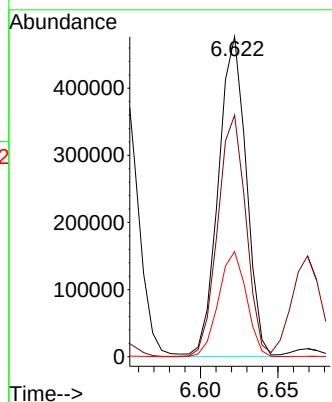
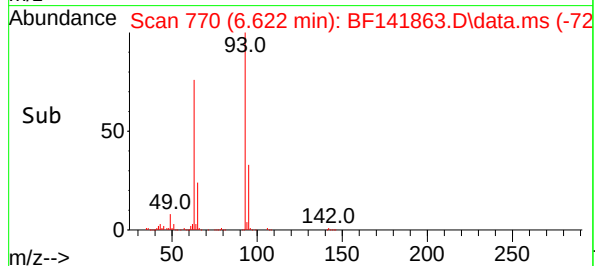
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



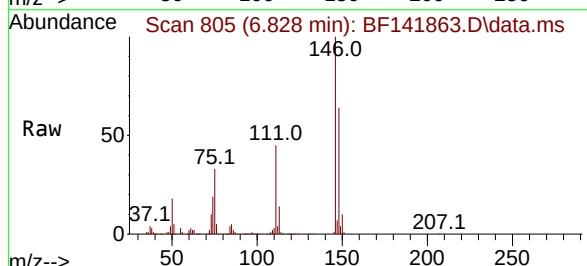
Tgt Ion: 93 Resp: 596528
Ion Ratio Lower Upper
93 100
63 75.5 59.3 99.3
95 32.9 13.2 53.2

Manual Integrations
APPROVED

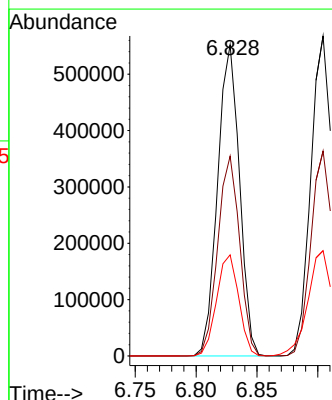
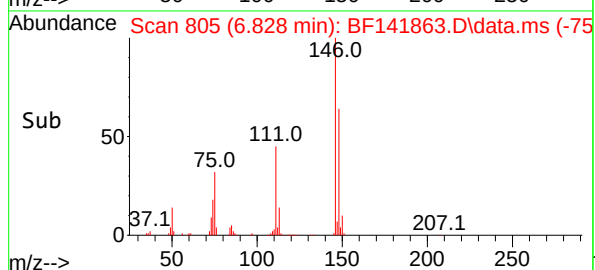
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

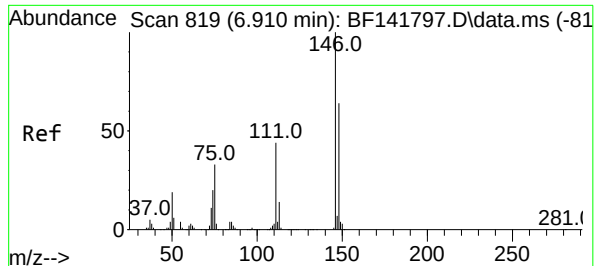


#12
1,3-Dichlorobenzene
Concen: 43.615 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



Tgt Ion:146 Resp: 691448
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.6
75 32.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 44.160 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:146 Resp: 70539

Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.2

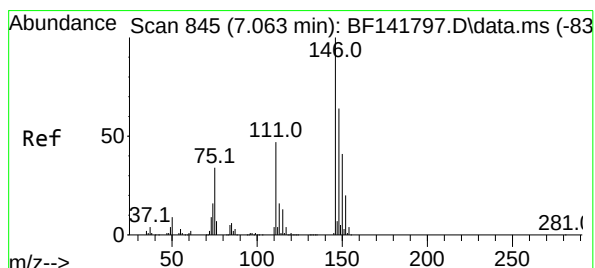
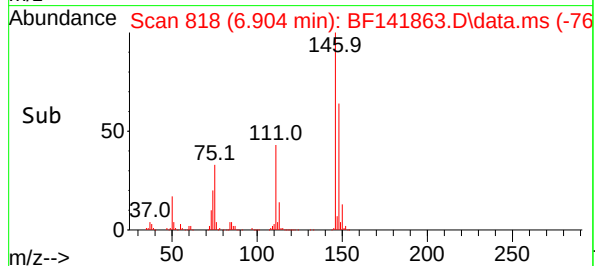
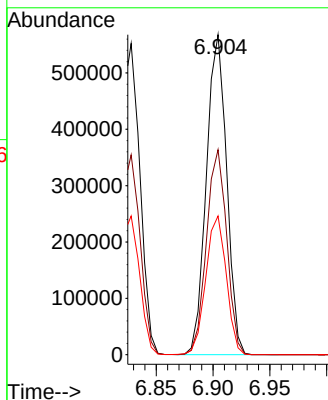
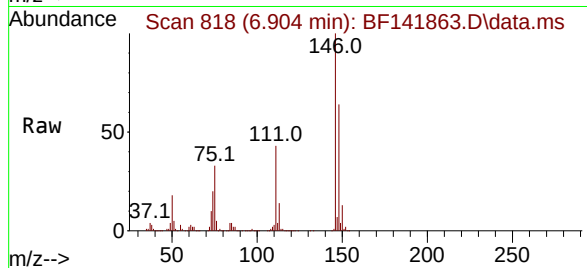
111 43.4 35.5 53.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#14

1,2-Dichlorobenzene

Concen: 44.993 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

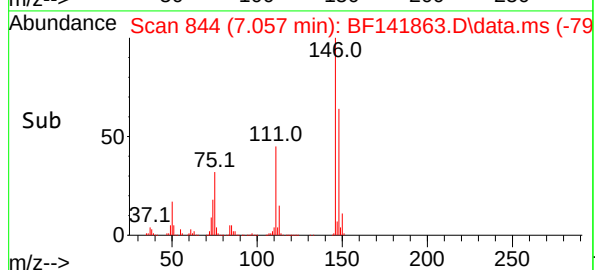
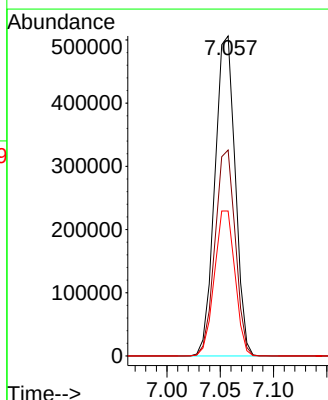
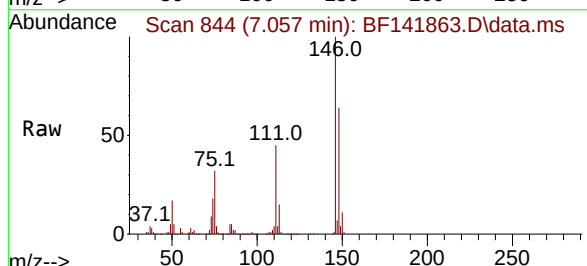
Tgt Ion:146 Resp: 671122

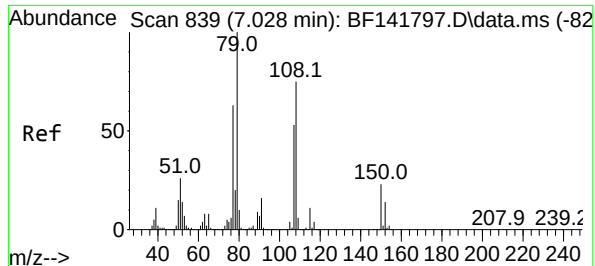
Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

111 45.3 37.8 56.6





#15

Benzyl Alcohol

Concen: 41.567 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion: 79 Resp: 591710

Ion Ratio Lower Upper

79 100

108 73.6 60.2 90.2

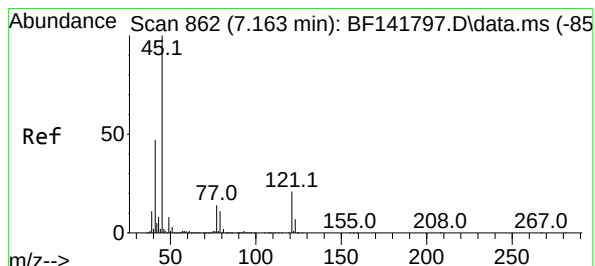
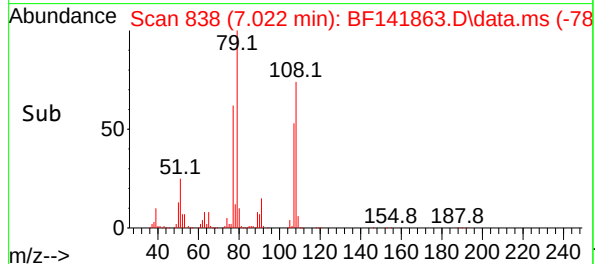
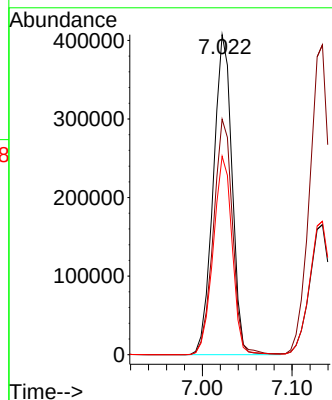
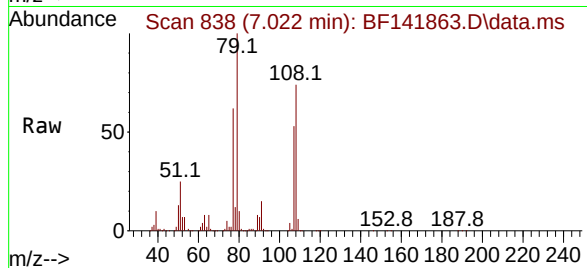
77 62.0 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.106 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

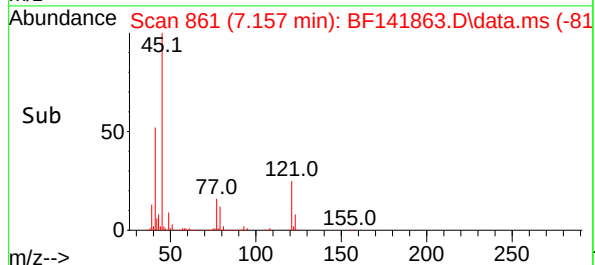
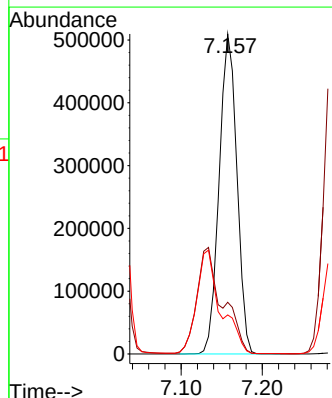
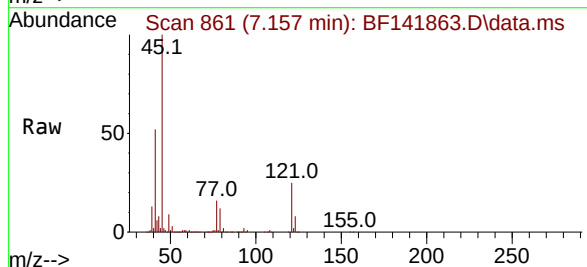
Tgt Ion: 45 Resp: 773514

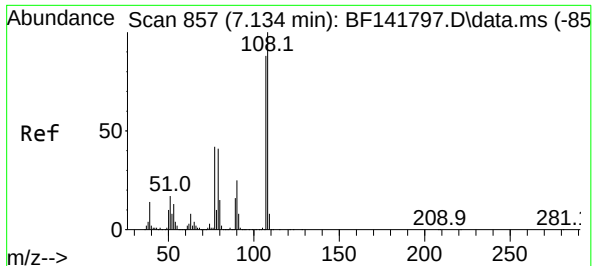
Ion Ratio Lower Upper

45 100

77 16.2 0.0 34.4

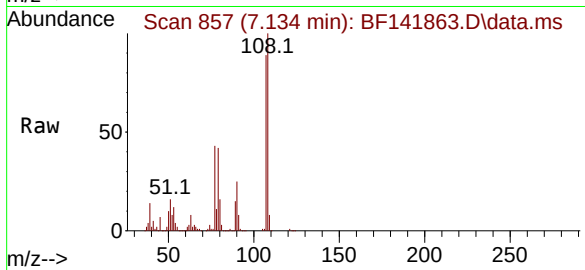
79 12.2 0.0 30.9





#17
2-Methylphenol
Concen: 43.202 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

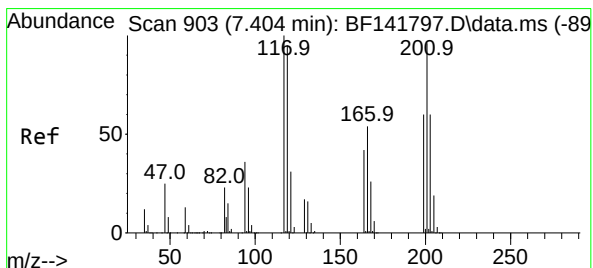
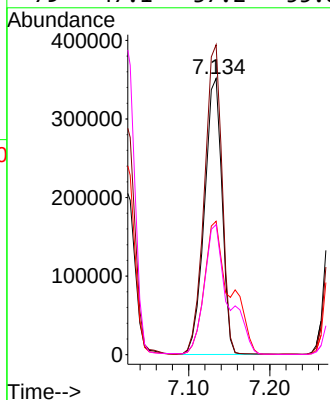
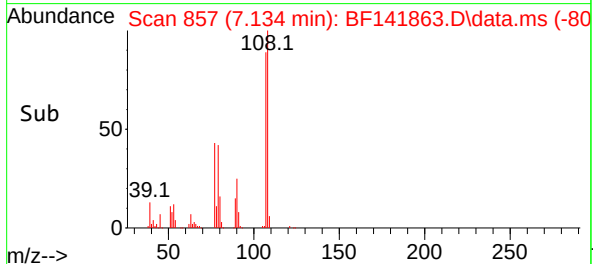
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:107 Resp: 52789
Ion Ratio Lower Upper
107 100
108 112.2 90.6 135.8
77 48.3 37.7 56.5
79 47.1 37.2 55.8

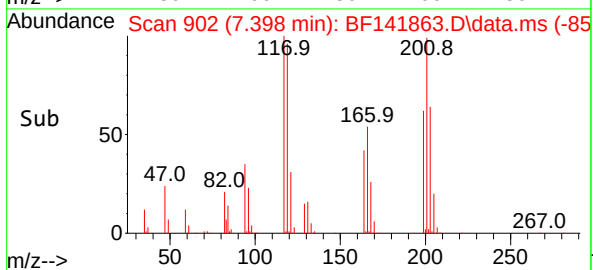
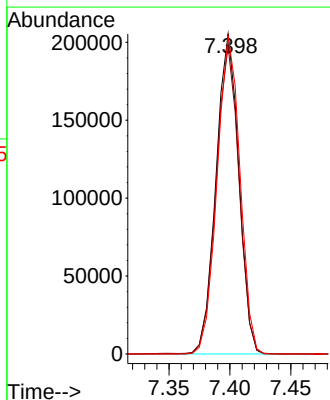
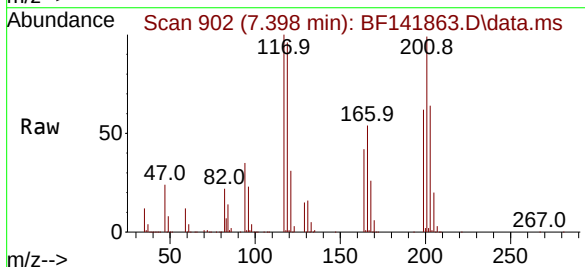
Manual Integrations
APPROVED

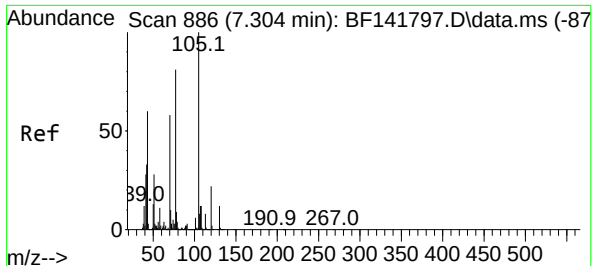
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#18
Hexachloroethane
Concen: 44.725 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:117 Resp: 267400
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.8
201 99.3 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 38.456 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF141863.D

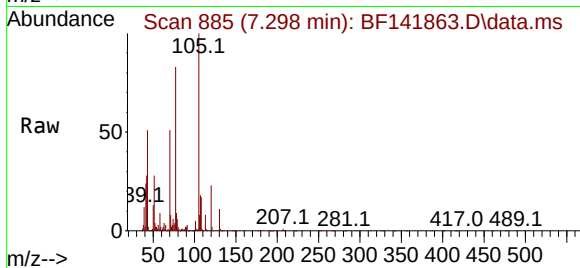
Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD



Tgt Ion: 70 Resp: 450272

Ion Ratio Lower Upper

70 100

42 55.4 45.4 68.0

101 9.9 7.8 11.8

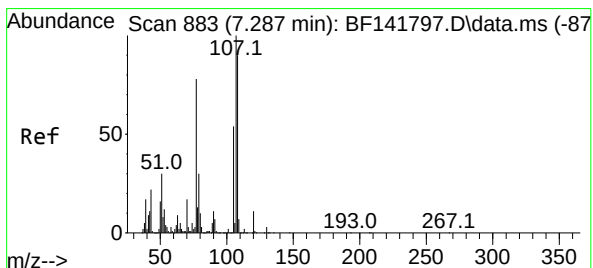
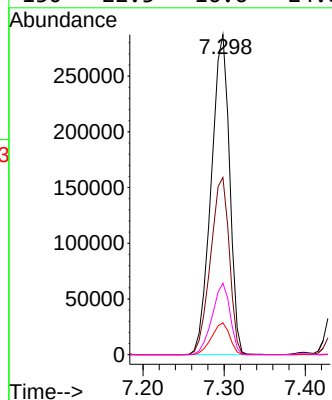
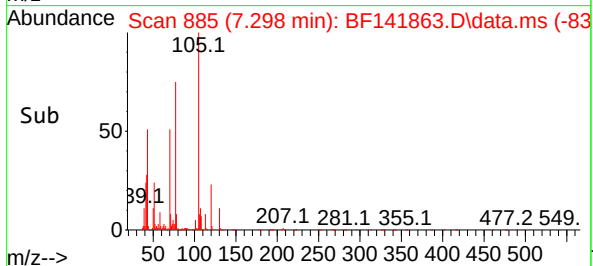
130 22.3 16.6 24.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#20

3+4-Methylphenols

Concen: 42.771 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Tgt Ion:107 Resp: 650789

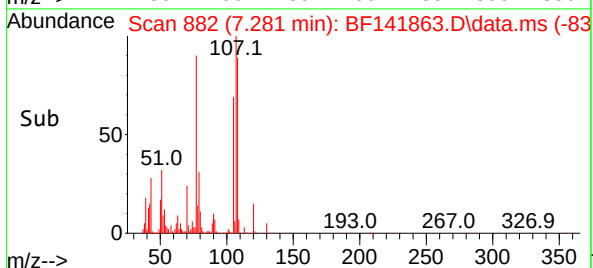
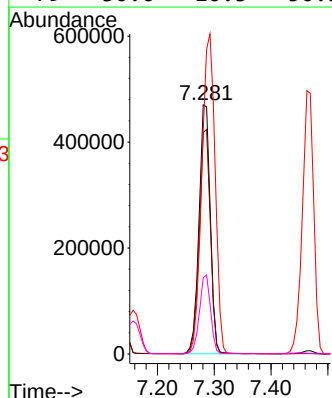
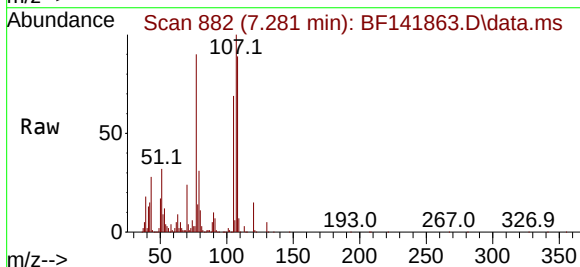
Ion Ratio Lower Upper

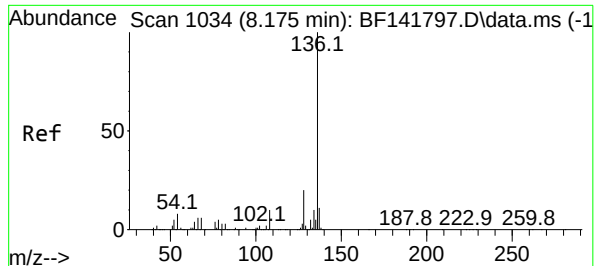
107 100

108 88.8 69.7 109.7

77 89.8 58.3 98.3

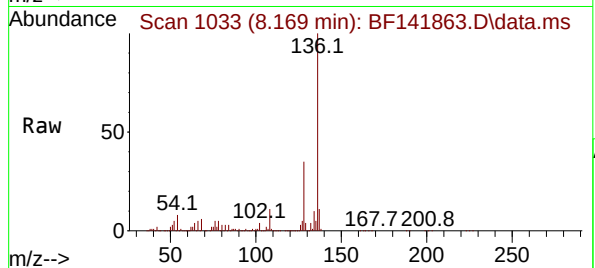
79 30.6 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

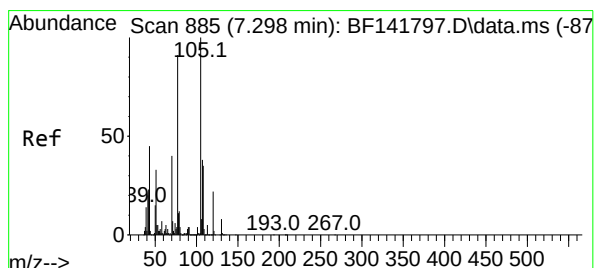
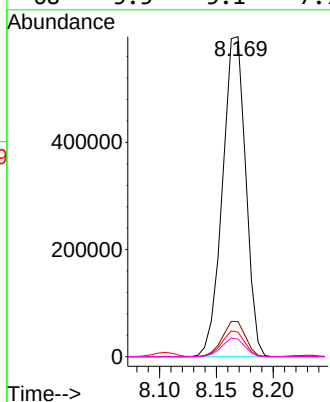
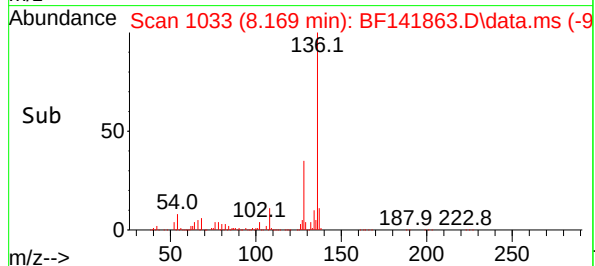
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:136 Resp: 850562
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.9 10.3
68 5.5 5.1 7.7

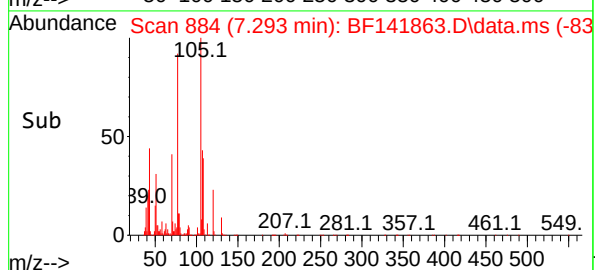
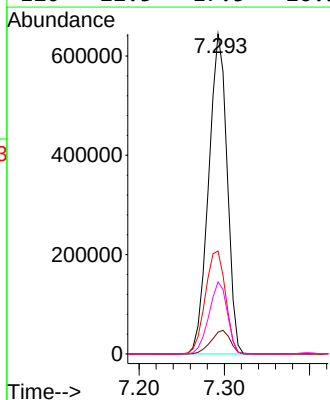
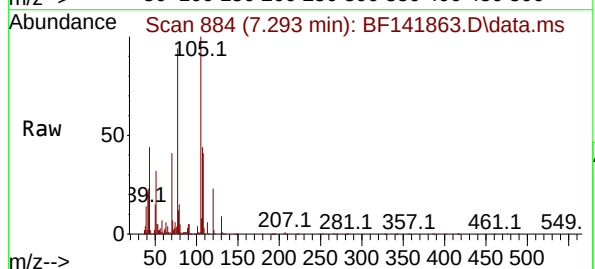
Manual Integrations
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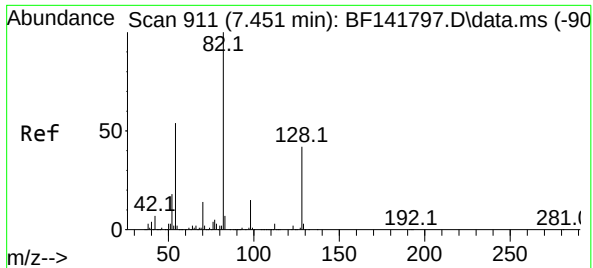
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#22
Acetophenone
Concen: 46.826 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:105 Resp: 970026
Ion Ratio Lower Upper
105 100
71 6.8 5.4 8.0
51 32.1 26.1 39.1
120 22.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 108.534 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion: 82 Resp: 1444229

Ion Ratio Lower Upper

82 100

128 44.4 33.5 50.3

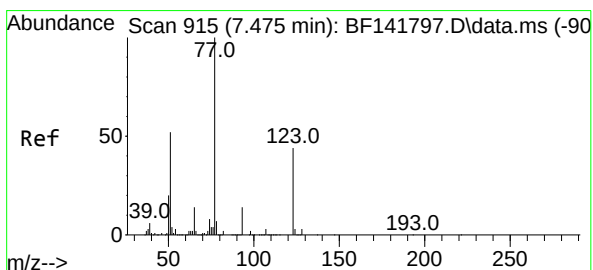
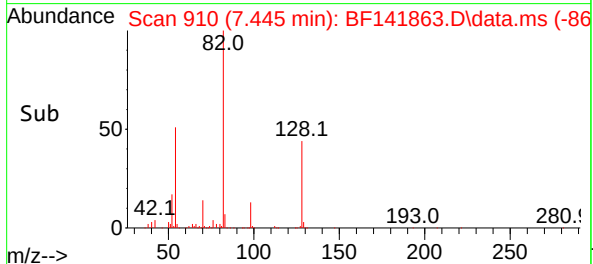
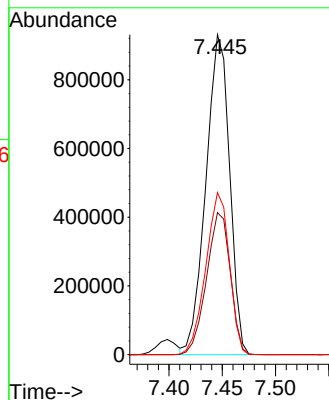
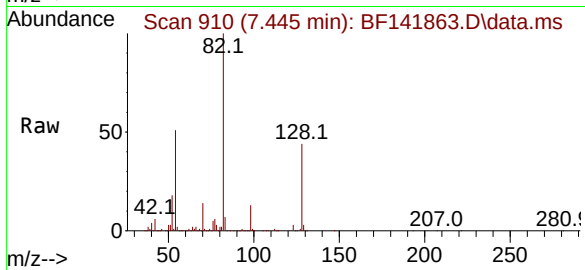
54 50.6 42.7 64.1

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#24

Nitrobenzene

Concen: 48.471 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

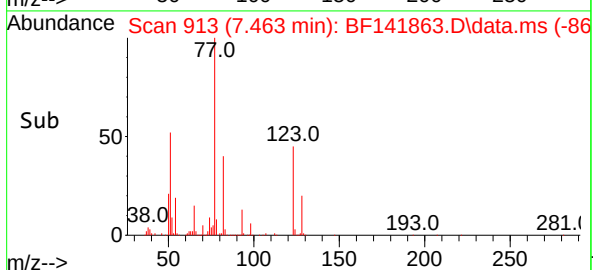
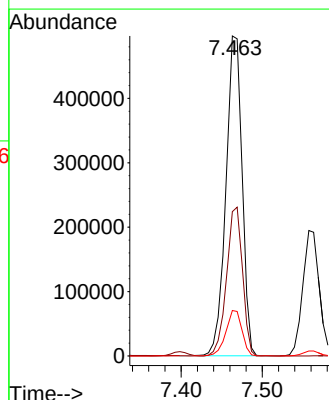
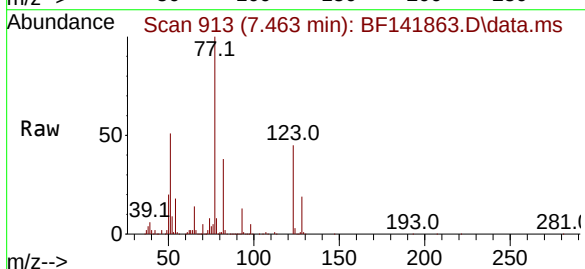
Tgt Ion: 77 Resp: 690687

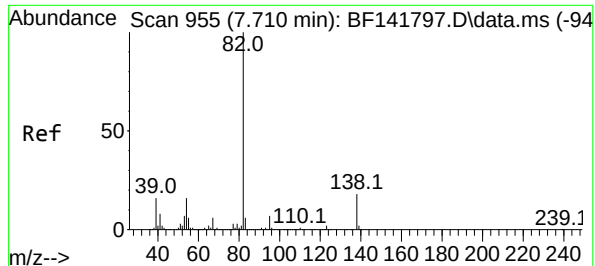
Ion Ratio Lower Upper

77 100

123 45.1 35.8 53.8

65 14.2 11.2 16.8





#25

Isophorone

Concen: 43.115 ng

RT: 7.704 min Scan# 954

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion: 82 Resp: 1232538

Ion Ratio Lower Upper

82 100

95 7.6 5.8 8.8

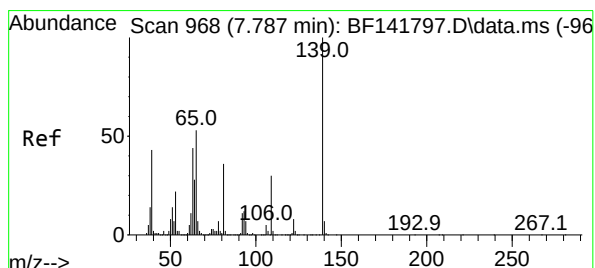
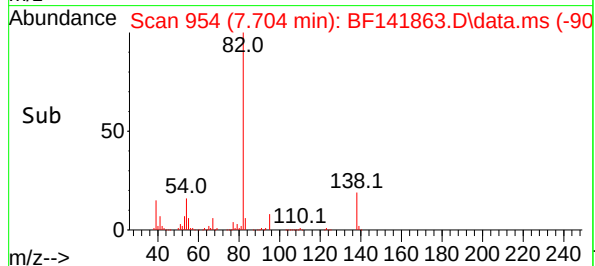
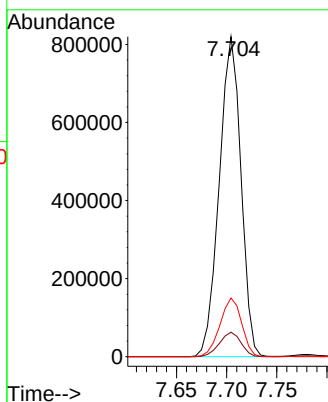
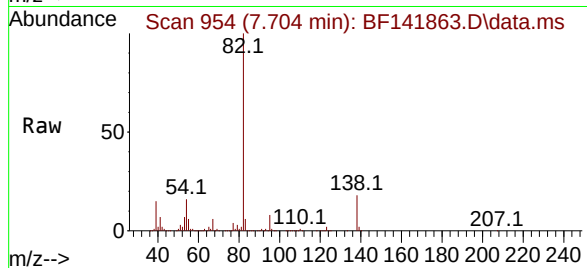
138 18.4 14.0 21.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#26

2-Nitrophenol

Concen: 53.396 ng

RT: 7.781 min Scan# 967

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

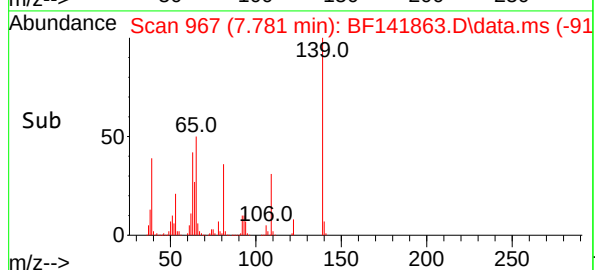
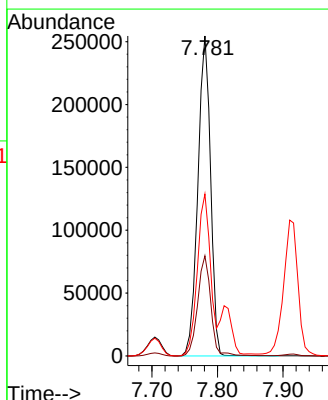
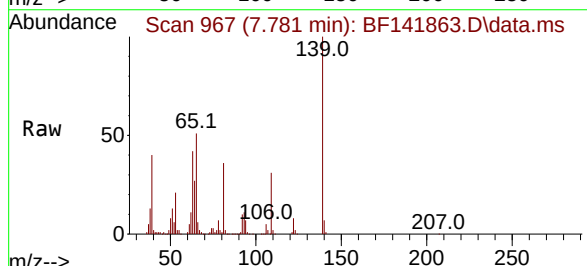
Tgt Ion:139 Resp: 343487

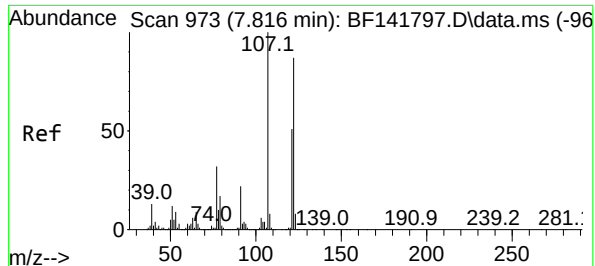
Ion Ratio Lower Upper

139 100

109 31.3 24.1 36.1

65 50.6 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 53.938 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:122 Resp: 56680

Ion Ratio Lower Upper

122 100

107 119.3 92.5 138.7

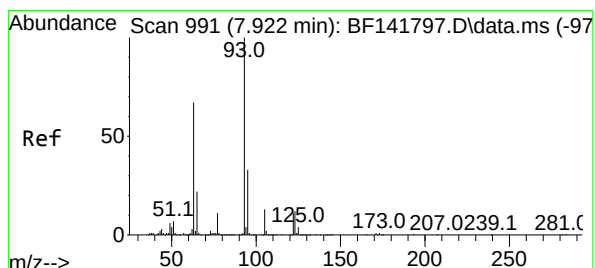
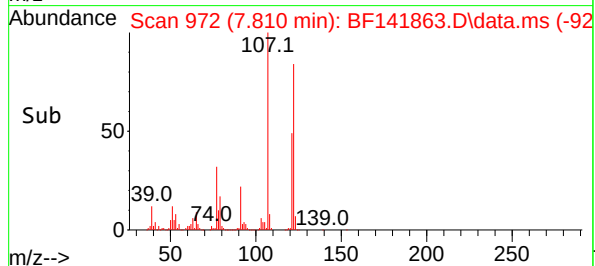
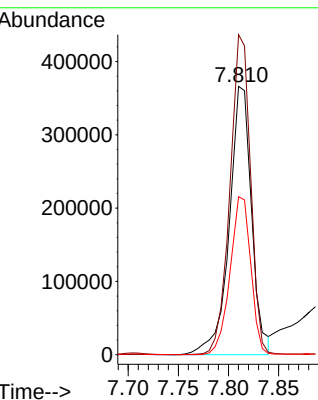
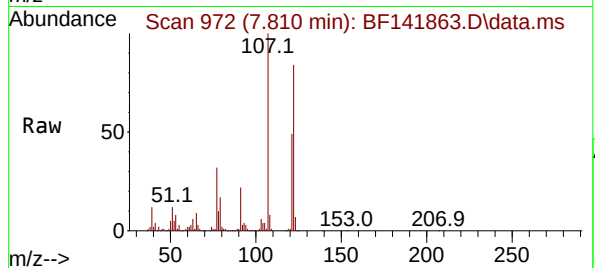
121 58.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.113 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

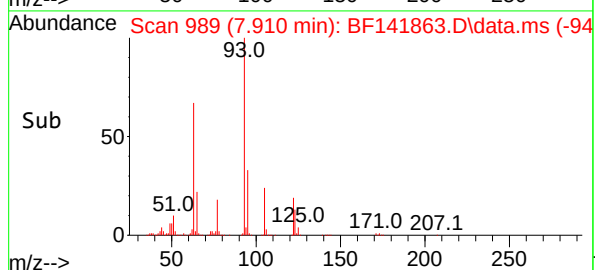
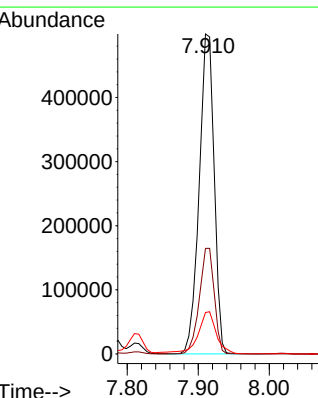
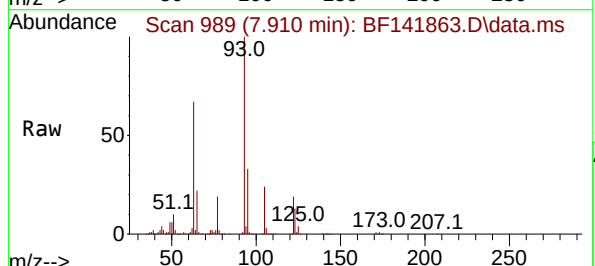
Tgt Ion: 93 Resp: 731505

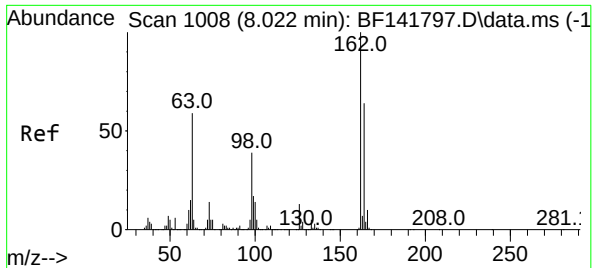
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 12.9 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 44.554 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:162 Resp: 540120

Ion Ratio Lower Upper

162 100

164 63.7 44.3 84.3

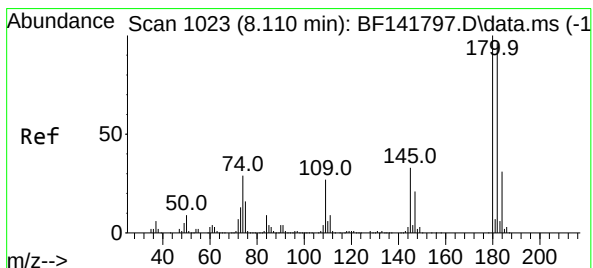
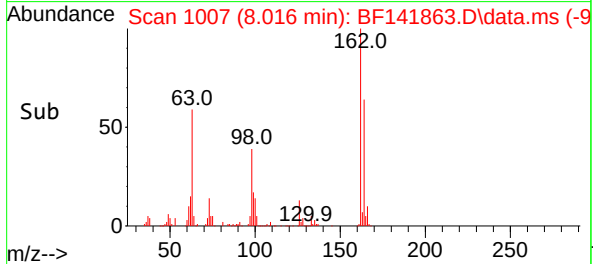
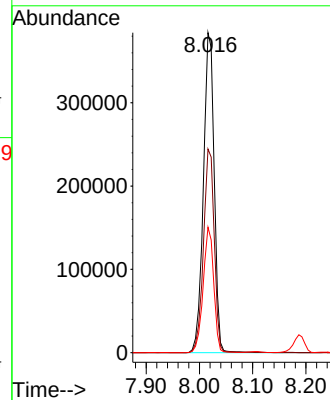
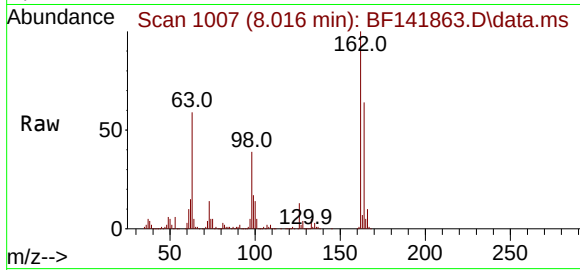
98 39.2 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.476 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

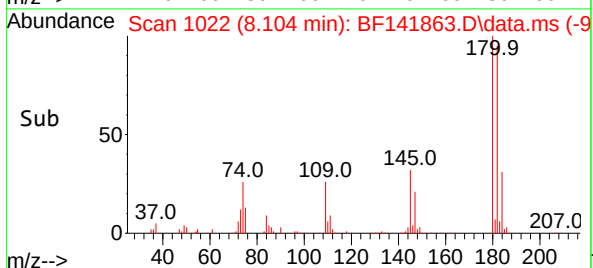
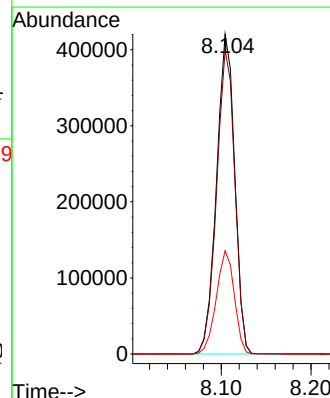
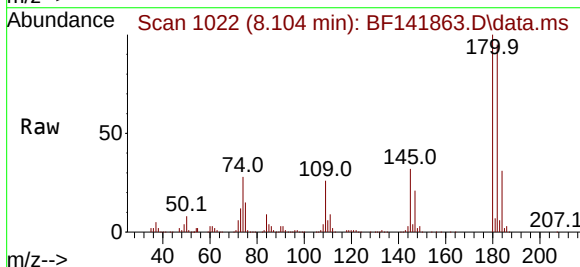
Tgt Ion:180 Resp: 590826

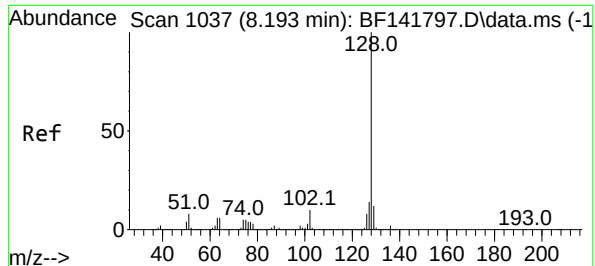
Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

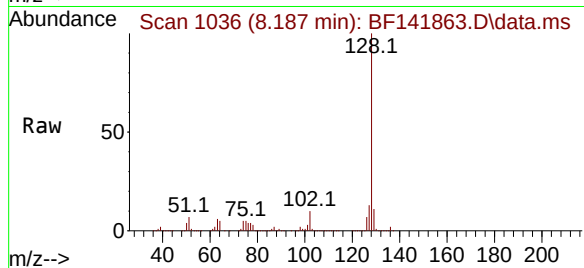
145 32.2 26.4 39.6





#31
Naphthalene
Concen: 43.113 ng
RT: 8.187 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

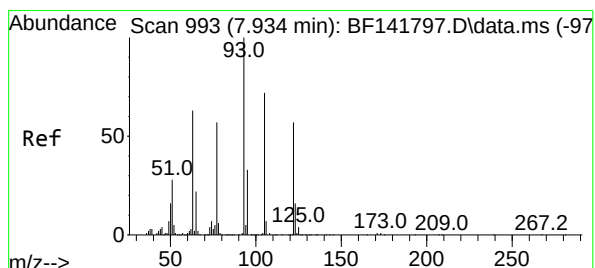
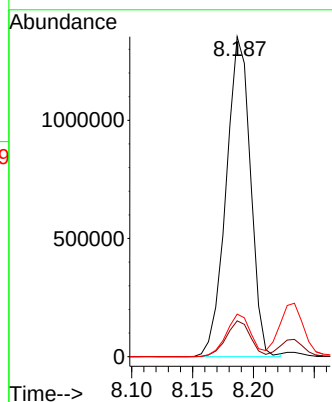
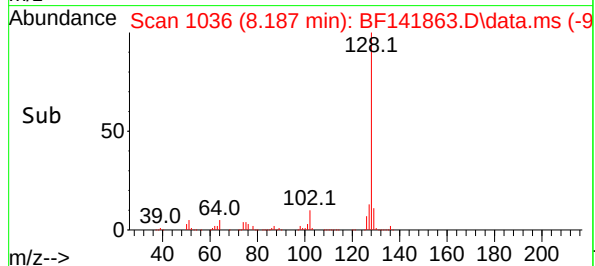
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:128 Resp: 188468
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.3 11.0 16.4

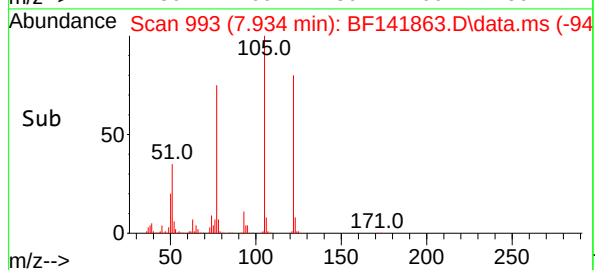
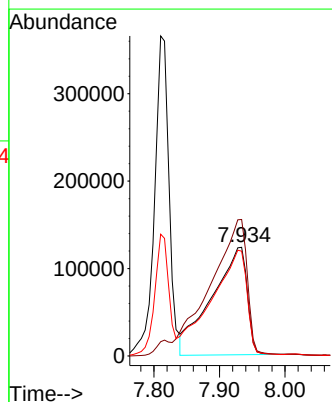
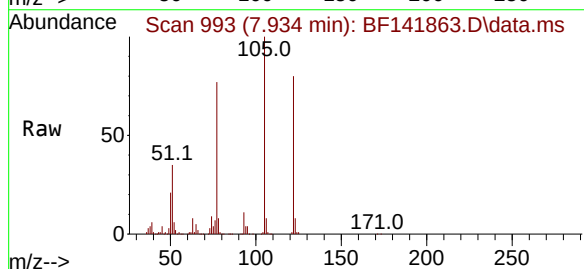
Manual Integrations
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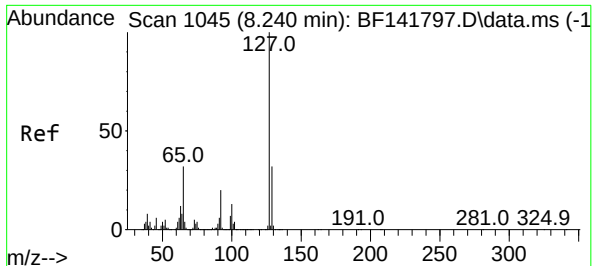
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#32
Benzoic acid
Concen: 51.796 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

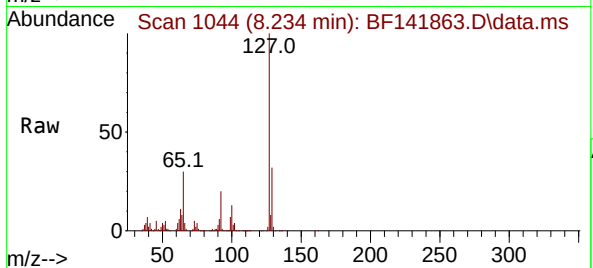
Tgt Ion:122 Resp: 460651
Ion Ratio Lower Upper
122 100
105 125.6 105.8 145.8
77 96.5 79.9 119.9





#33
4-Chloroaniline
Concen: 20.077 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

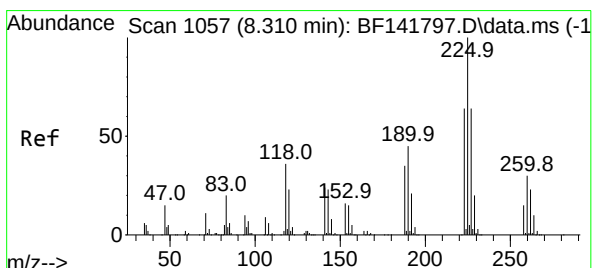
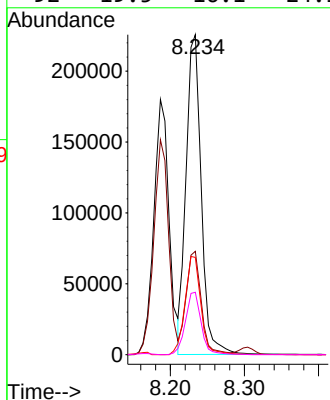
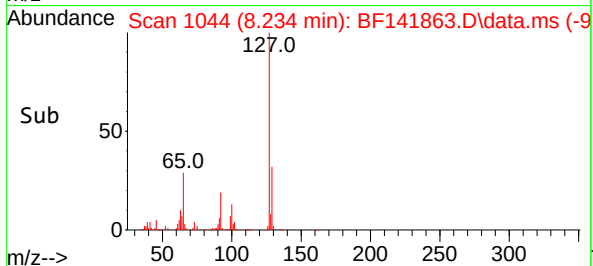
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:127 Resp: 32180
Ion Ratio Lower Upper
127 100
129 32.3 26.1 39.1
65 30.4 25.7 38.5
92 19.5 16.1 24.1

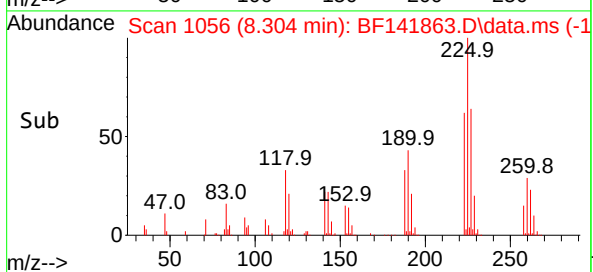
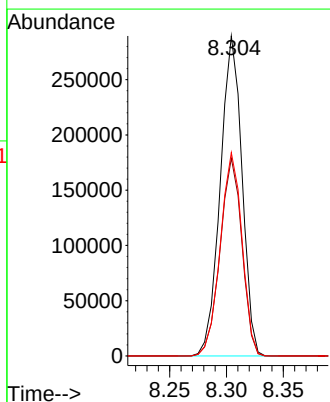
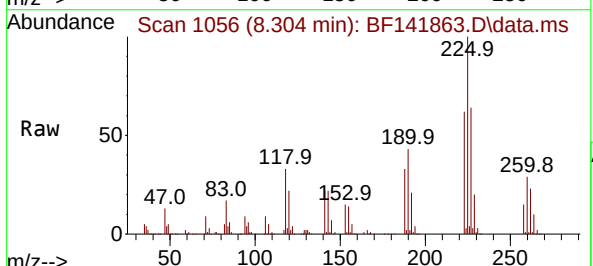
Manual Integrations
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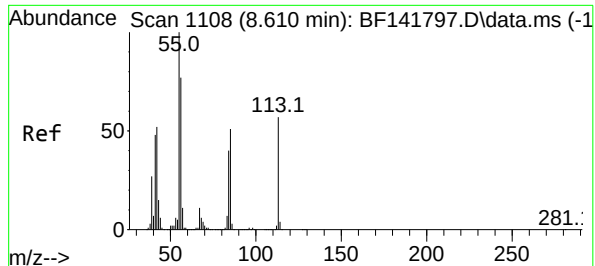
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#34
Hexachlorobutadiene
Concen: 46.592 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:225 Resp: 384615
Ion Ratio Lower Upper
225 100
223 61.8 51.4 77.2
227 63.6 51.6 77.4





#35

Caprolactam

Concen: 50.476 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:113 Resp: 18824

Ion Ratio Lower Upper

113 100

55 160.3 155.6 195.6

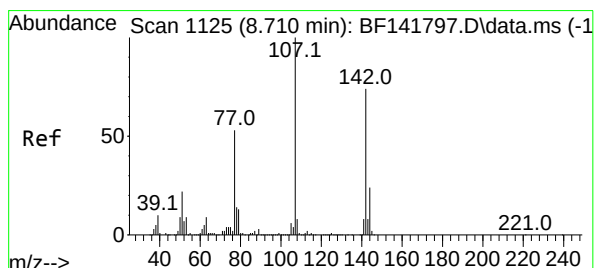
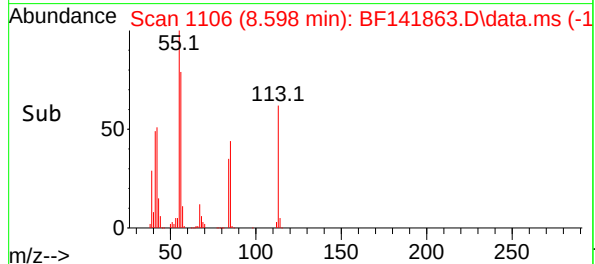
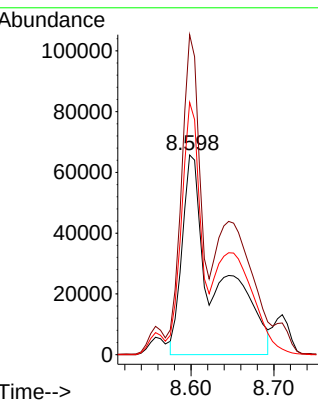
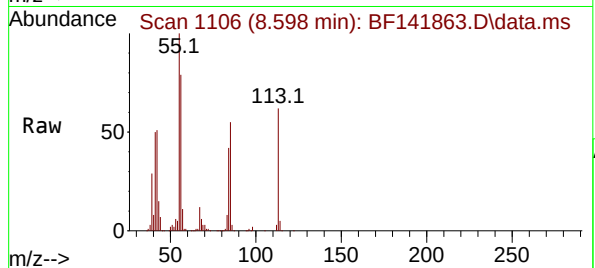
56 126.4 114.6 154.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#36

4-Chloro-3-methylphenol

Concen: 43.912 ng

RT: 8.710 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

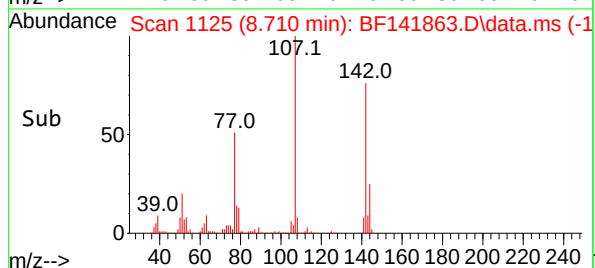
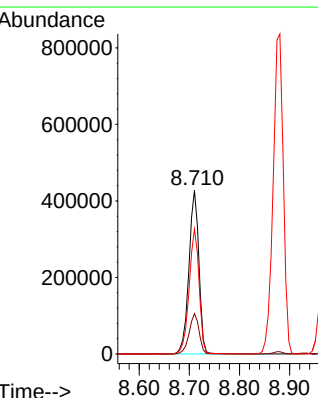
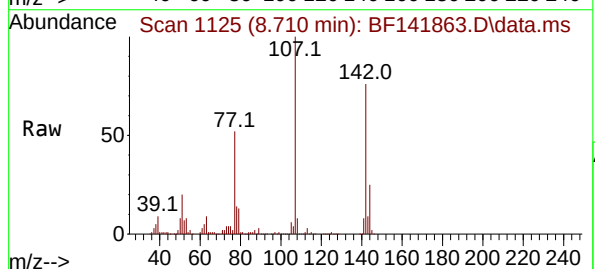
Tgt Ion:107 Resp: 591369

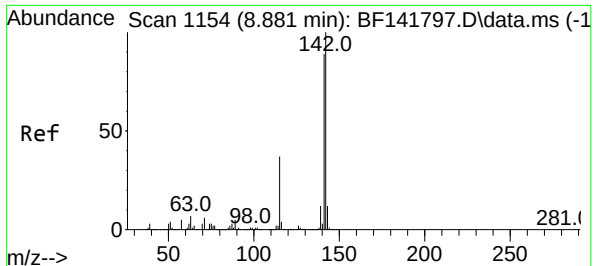
Ion Ratio Lower Upper

107 100

144 24.6 19.4 29.0

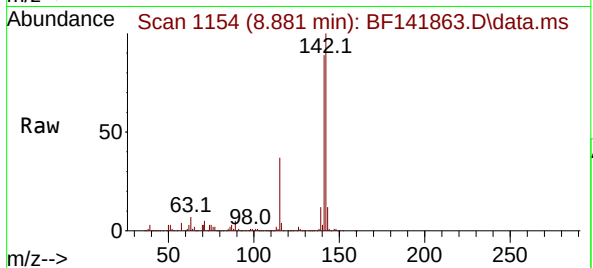
142 76.2 59.4 89.0





#37
2-Methylnaphthalene
Concen: 41.221 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

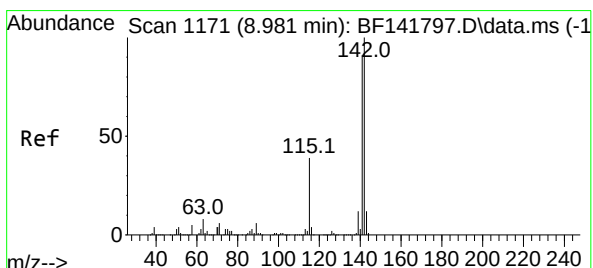
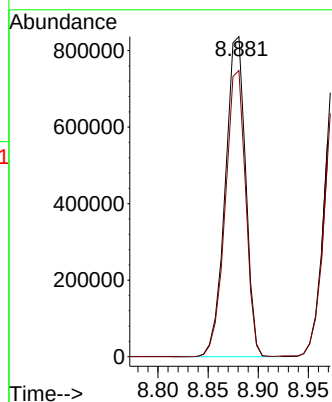
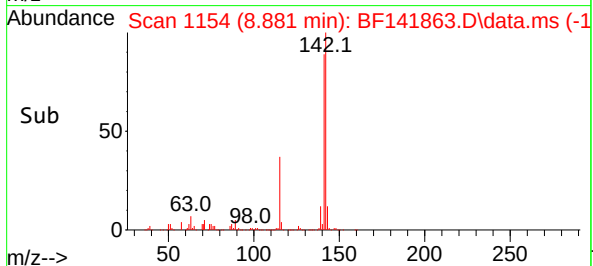
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:142 Resp: 1181958
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7

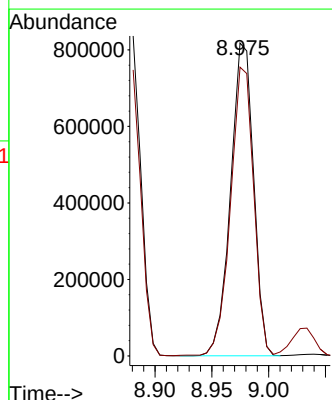
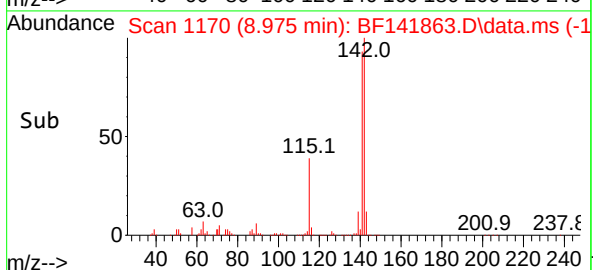
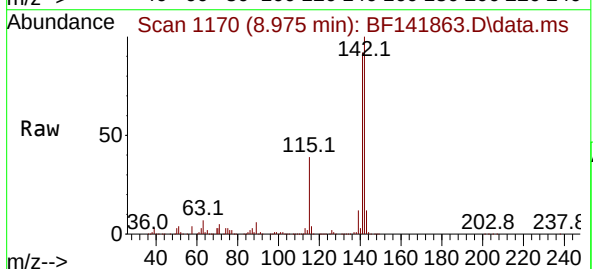
Manual Integrations
APPROVED

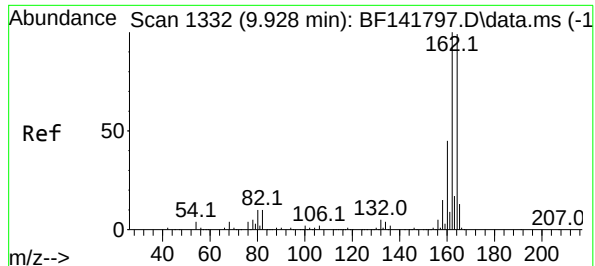
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#38
1-Methylnaphthalene
Concen: 41.811 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:142 Resp: 1150355
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# 11

Delta R.T. -0.006 min

Lab File: BF141863.D

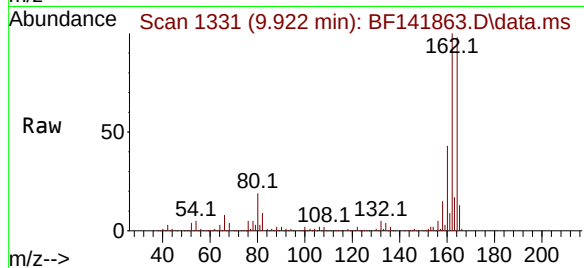
Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD



Tgt Ion:164 Resp: 458462

Ion Ratio Lower Upper

164 100

162 102.5 80.6 120.8

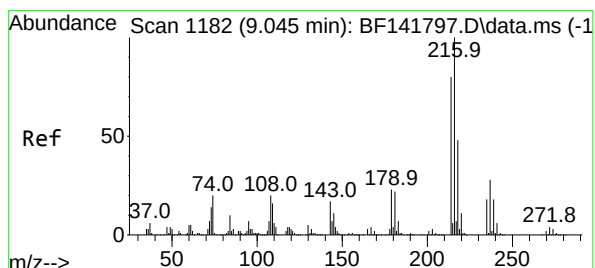
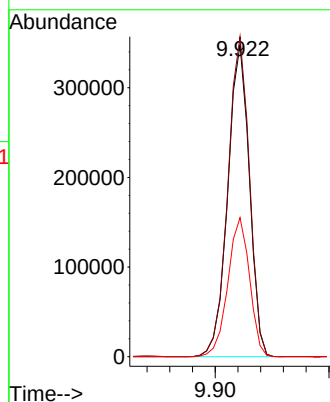
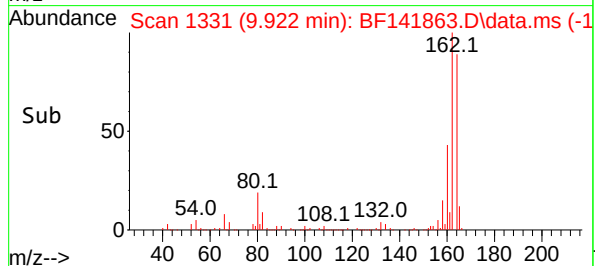
160 44.6 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.197 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Tgt Ion:216 Resp: 651413

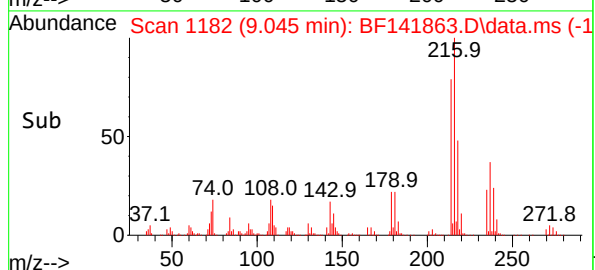
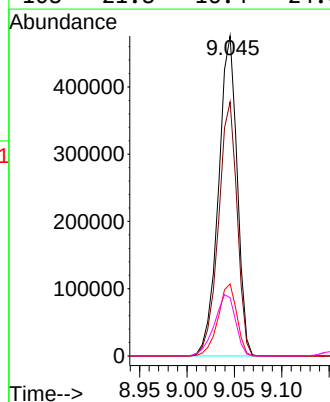
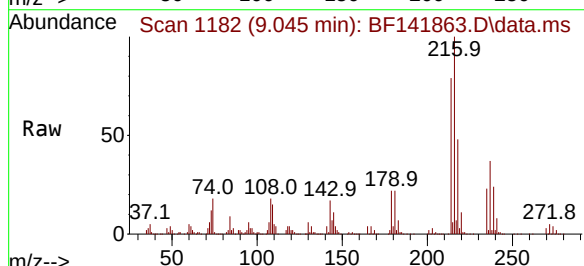
Ion Ratio Lower Upper

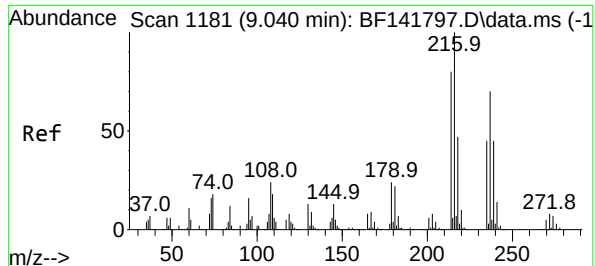
216 100

214 79.3 63.5 95.3

179 22.7 18.1 27.1

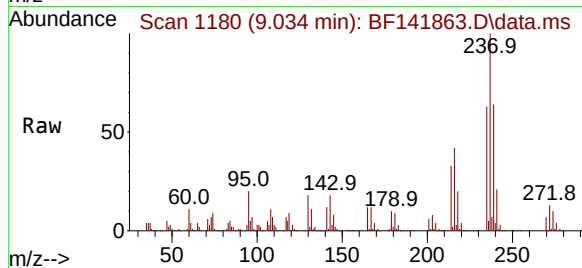
108 21.8 16.4 24.6





#41
Hexachlorocyclopentadiene
Concen: 155.461 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

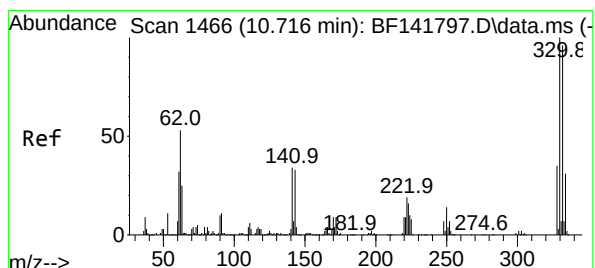
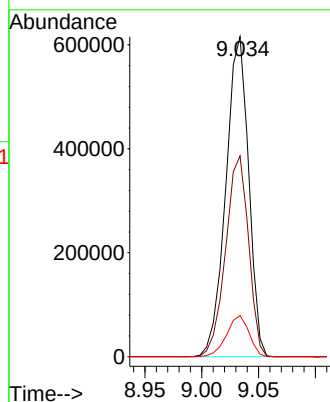
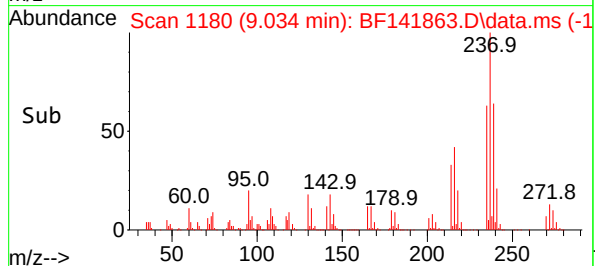
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



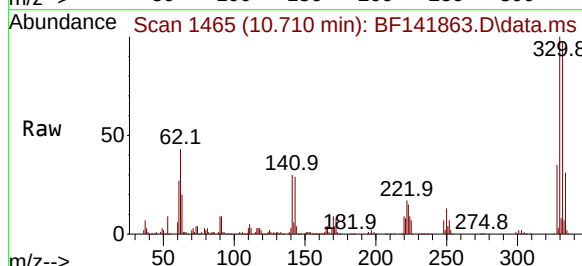
Tgt Ion: 237 Resp: 859040
Ion Ratio Lower Upper
237 100
235 62.8 43.3 83.3
272 12.8 0.0 31.9

Manual Integrations
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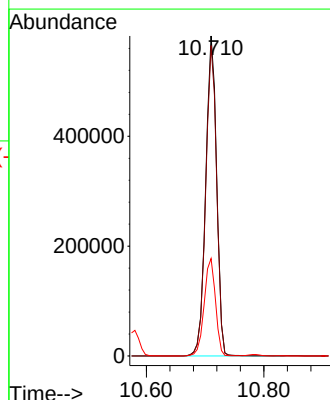
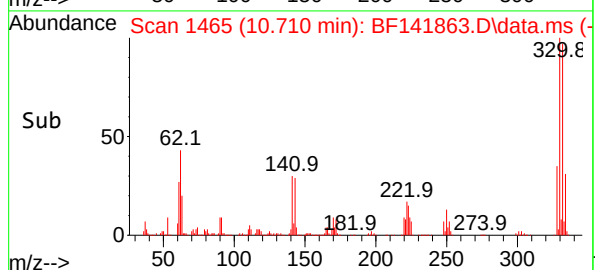
Reviewed By : Anahy Claudio 03/07/2025
Supervised By : Jagrut Upadhyay 03/07/2025

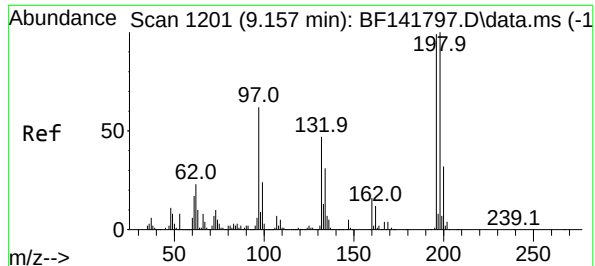


#42
2,4,6-Tribromophenol
Concen: 174.213 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



Tgt Ion: 330 Resp: 749833
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 31.5 29.0 43.4





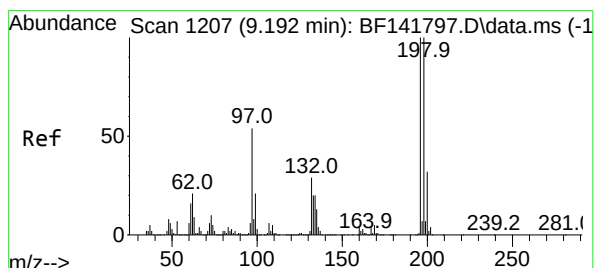
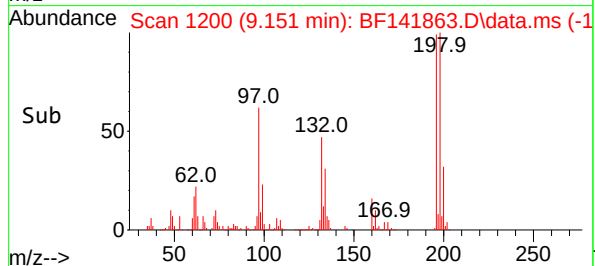
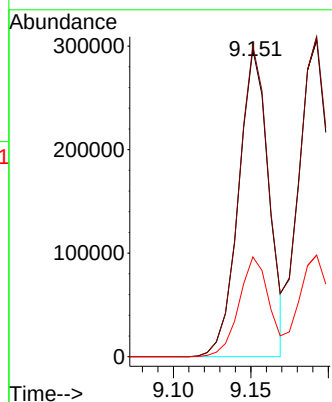
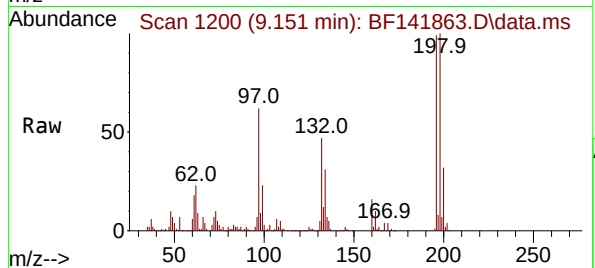
#43
2,4,6-Trichlorophenol
Concen: 46.992 ng
RT: 9.151 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Instrument :
BNA_F
ClientSampleId :
PB166982BSD

Tgt Ion:196 Resp: 40192
Ion Ratio Lower Upper
196 100
198 101.2 80.4 120.6
200 32.4 25.7 38.5

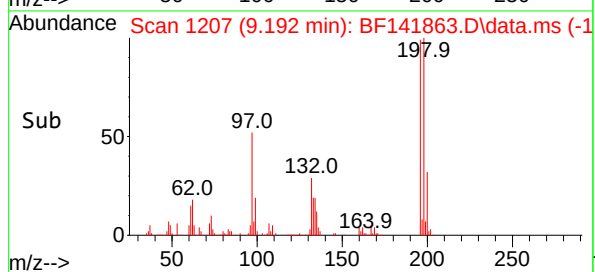
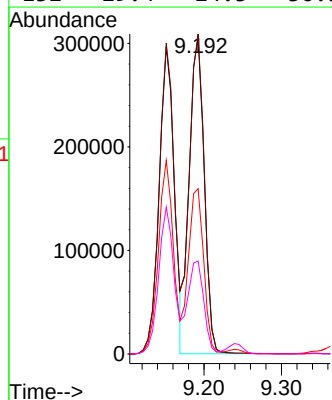
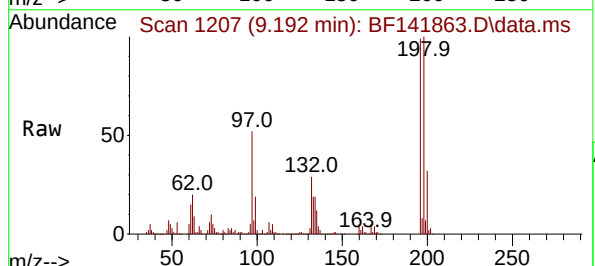
Manual Integrations
APPROVED

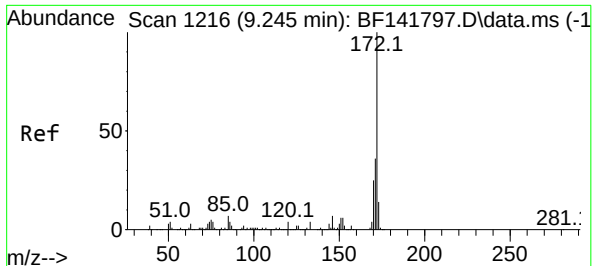
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#44
2,4,5-Trichlorophenol
Concen: 48.786 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:196 Resp: 413188
Ion Ratio Lower Upper
196 100
198 101.0 79.7 119.5
97 52.2 44.2 66.2
132 29.4 24.3 36.5





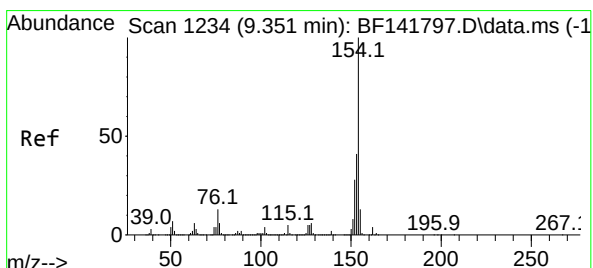
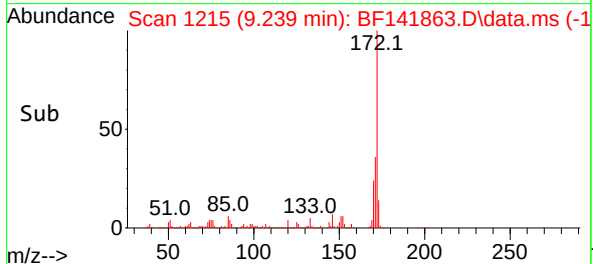
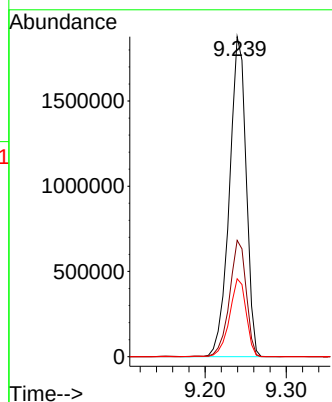
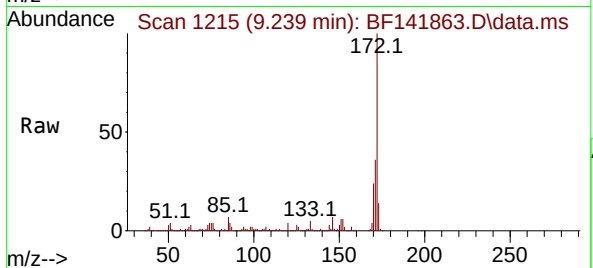
#45
2-Fluorobiphenyl
Concen: 93.977 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Instrument :
BNA_F
ClientSampleId :
PB166982BSD

Tgt Ion:172 Resp: 2687024
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 24.3 19.7 29.5

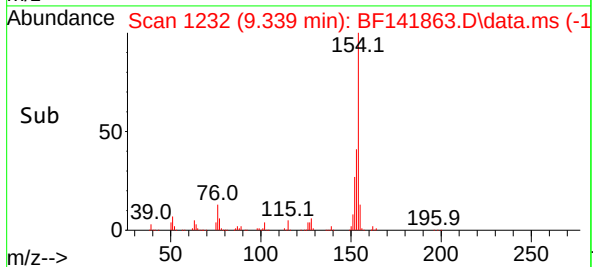
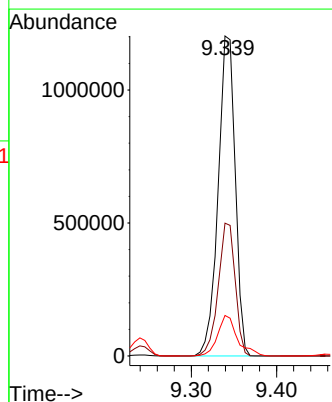
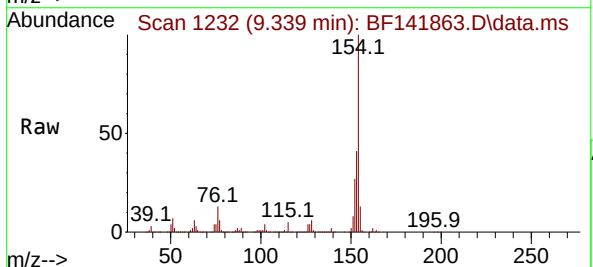
Manual Integrations
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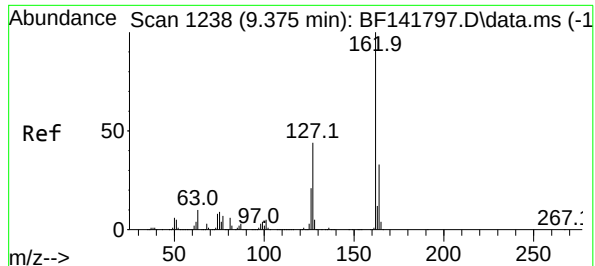
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#46
1,1'-Biphenyl
Concen: 48.029 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:154 Resp: 1676041
Ion Ratio Lower Upper
154 100
153 41.5 21.4 61.4
76 12.7 0.0 33.4





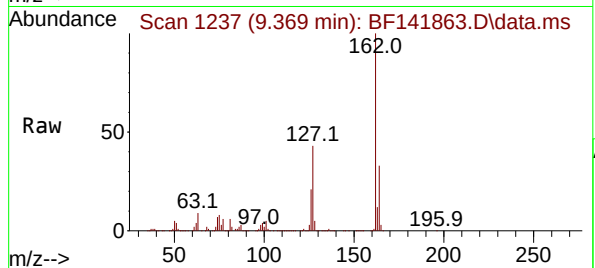
#47
2-Chloronaphthalene
Concen: 44.336 ng
RT: 9.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

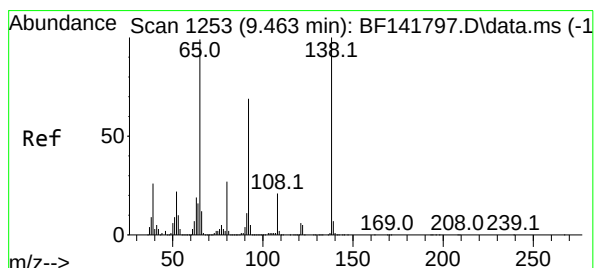
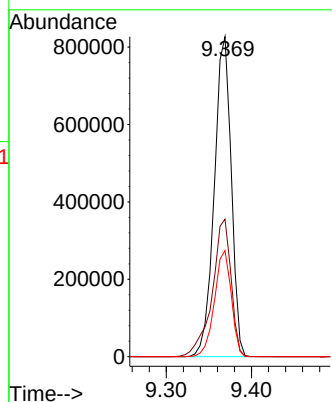
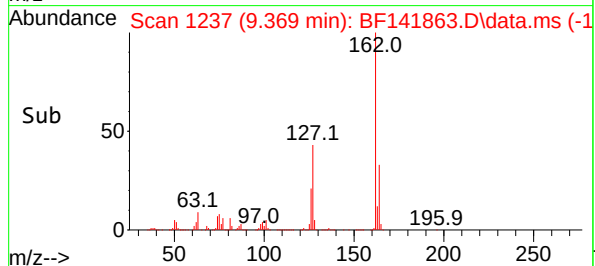


Tgt Ion:162 Resp: 1141918
Ion Ratio Lower Upper
162 100
127 43.0 35.0 52.6
164 33.1 26.6 40.0

Manual Integrations

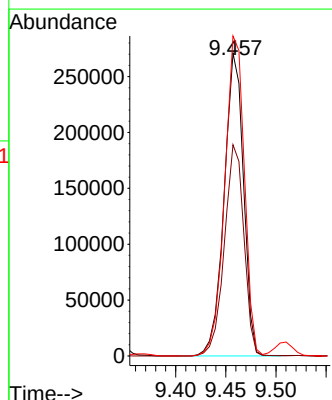
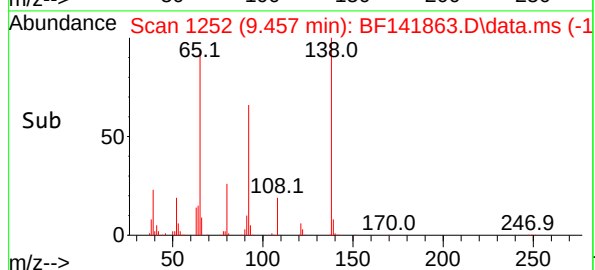
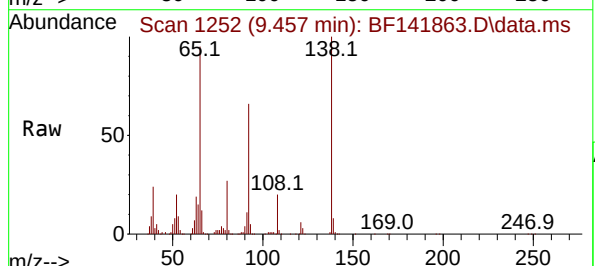
APPROVED

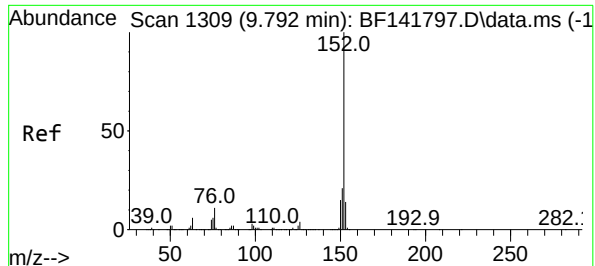
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#48
2-Nitroaniline
Concen: 51.359 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion: 65 Resp: 364440
Ion Ratio Lower Upper
65 100
92 69.7 55.7 83.5
138 105.7 80.6 121.0





#49

Acenaphthylene

Concen: 46.273 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:152 Resp: 1786900

Ion Ratio Lower Upper

152 100

151 20.3 16.6 24.8

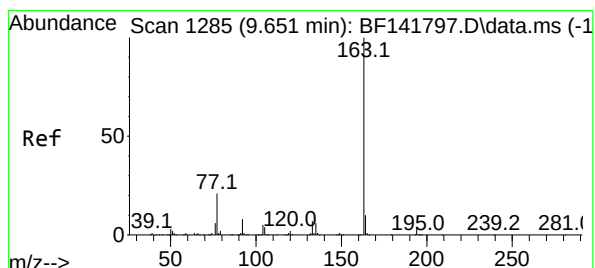
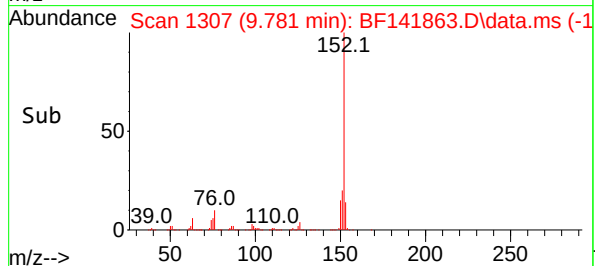
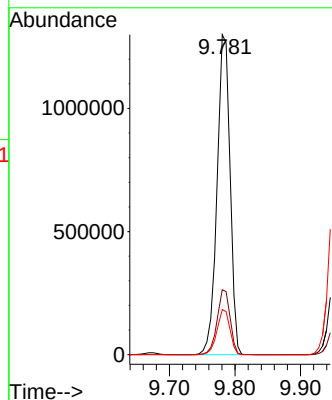
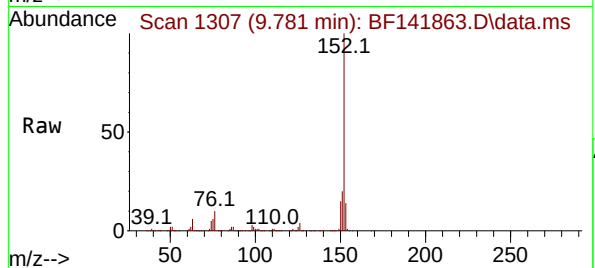
153 14.1 11.2 16.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#50

Dimethylphthalate

Concen: 44.596 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

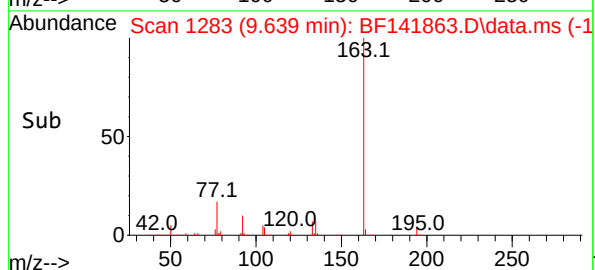
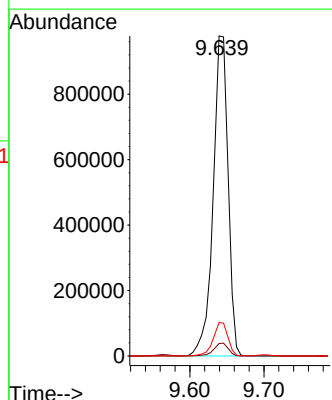
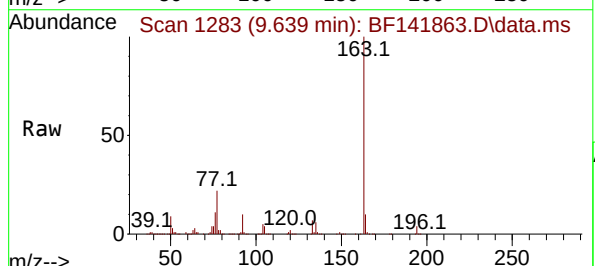
Tgt Ion:163 Resp: 1369183

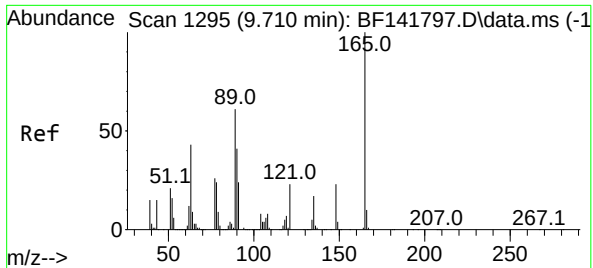
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.4 8.4 12.6





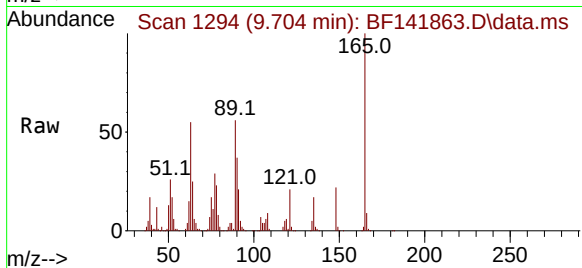
#51
2,6-Dinitrotoluene
Concen: 51.550 ng
RT: 9.704 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

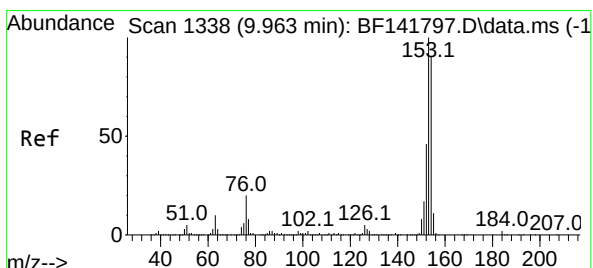
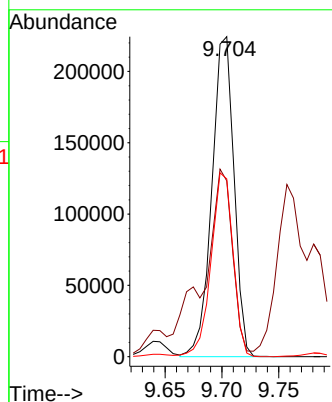
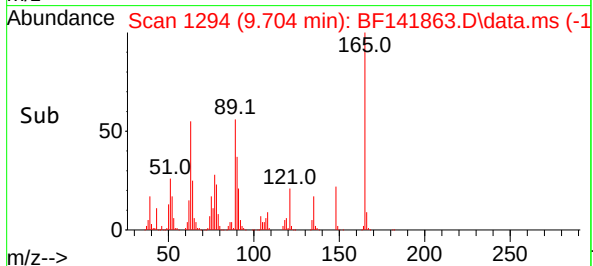


Tgt Ion:165 Resp: 304070
Ion Ratio Lower Upper
165 100
63 55.0 49.5 74.3
89 55.6 49.0 73.4

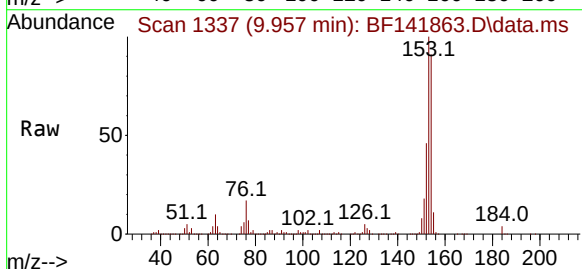
Manual Integrations

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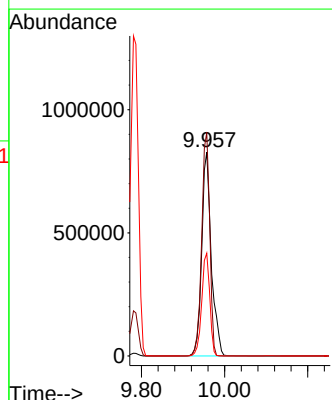
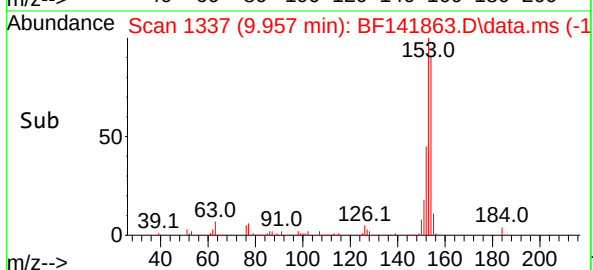
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

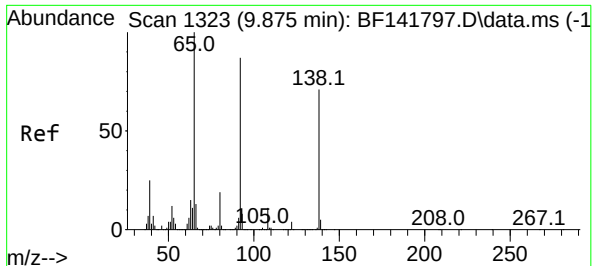


#52
Acenaphthene
Concen: 50.968 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



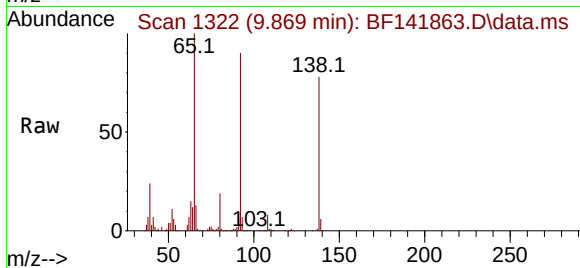
Tgt Ion:154 Resp: 1328050
Ion Ratio Lower Upper
154 100
153 109.7 88.7 133.1
152 50.4 40.9 61.3





#53
3-Nitroaniline
Concen: 34.701 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

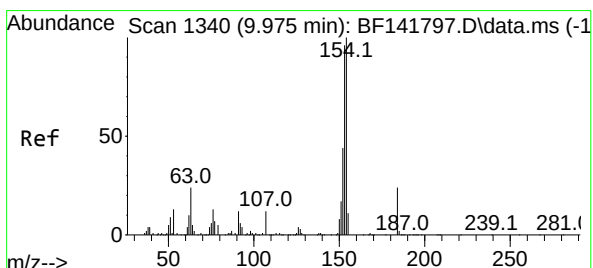
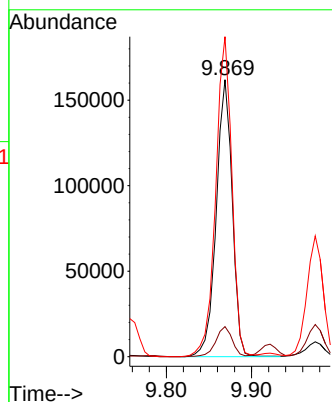
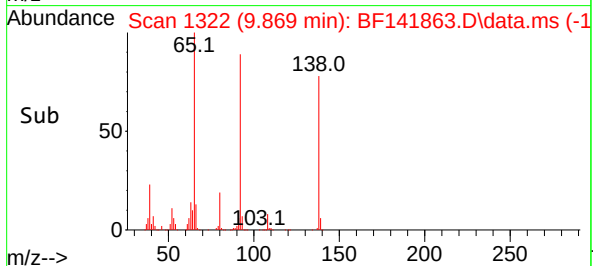
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:138 Resp: 21161
Ion Ratio Lower Upper
138 100
108 10.8 12.7 19.1
92 115.5 97.9 146.9

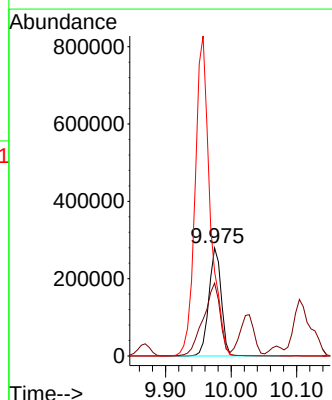
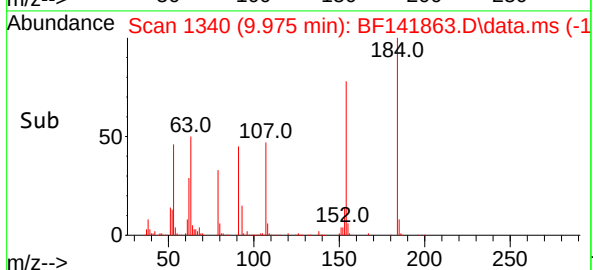
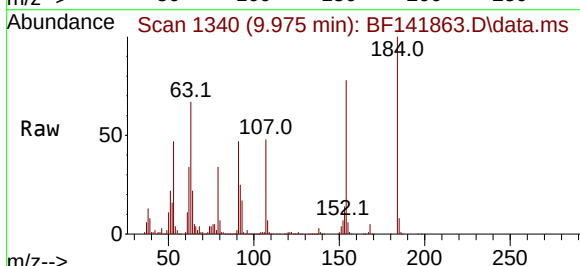
Manual Integrations
APPROVED

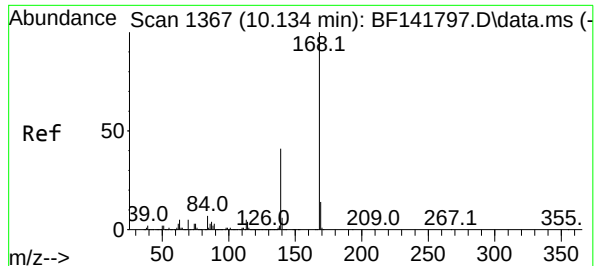
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#54
2,4-Dinitrophenol
Concen: 117.425 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

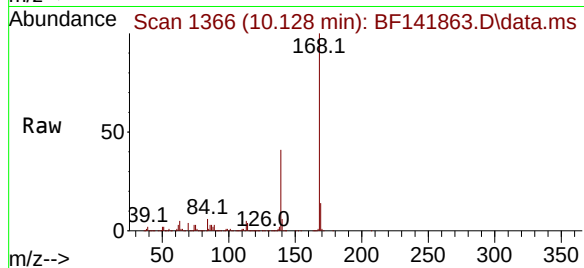
Tgt Ion:184 Resp: 367510
Ion Ratio Lower Upper
184 100
63 67.4 79.0 118.6#
154 78.1 335.8 503.8#





#55
Dibenzenofuran
Concen: 42.391 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

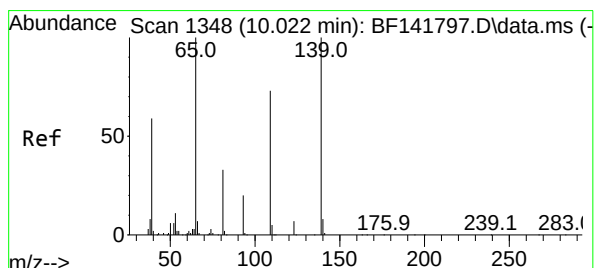
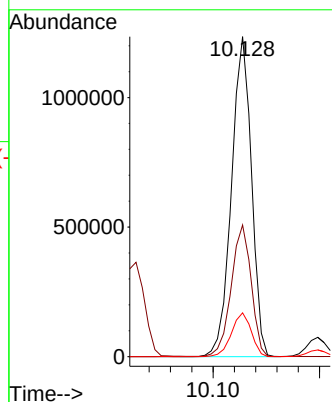
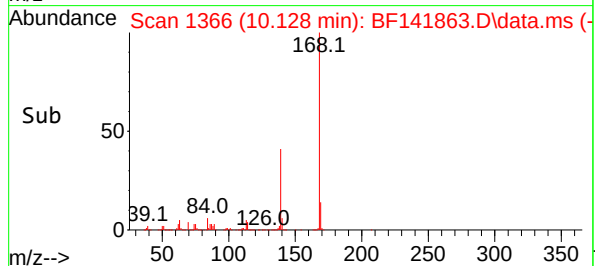
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:168 Resp: 160769
Ion Ratio Lower Upper
168 100
139 41.2 32.9 49.3
169 13.7 11.1 16.7

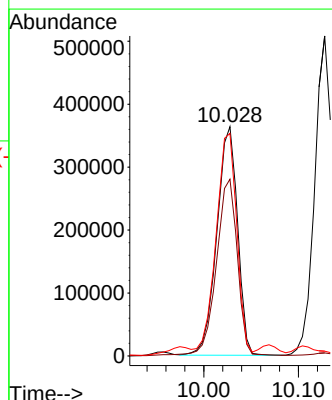
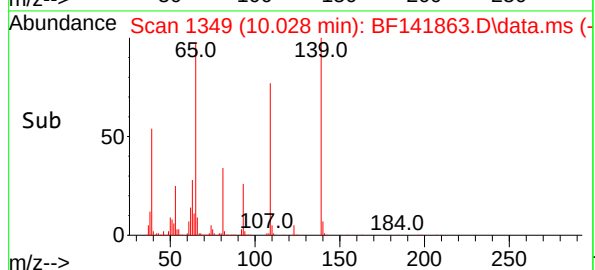
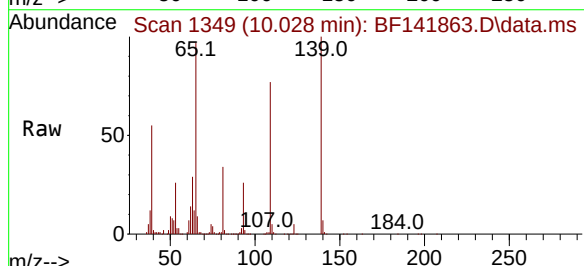
Manual Integrations
APPROVED

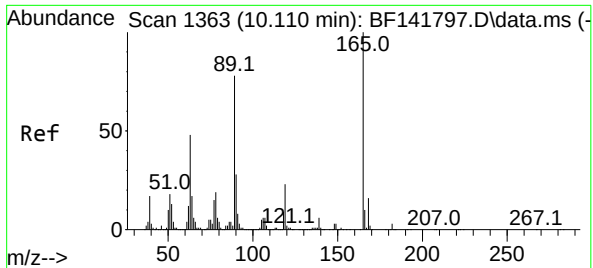
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#56
4-Nitrophenol
Concen: 122.009 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

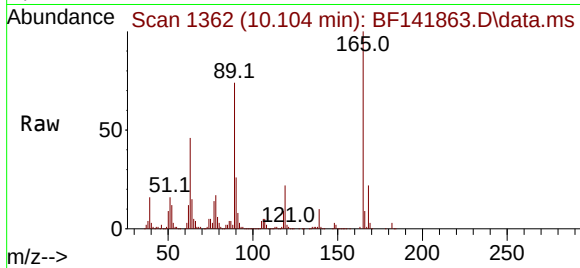
Tgt Ion:139 Resp: 553259
Ion Ratio Lower Upper
139 100
109 77.1 53.4 93.4
65 97.0 82.1 122.1





#57
2,4-Dinitrotoluene
Concen: 57.474 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

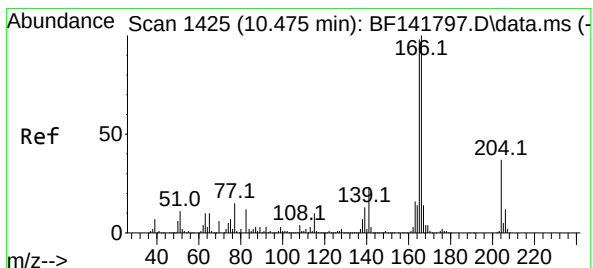
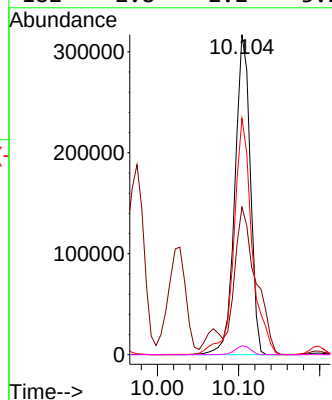
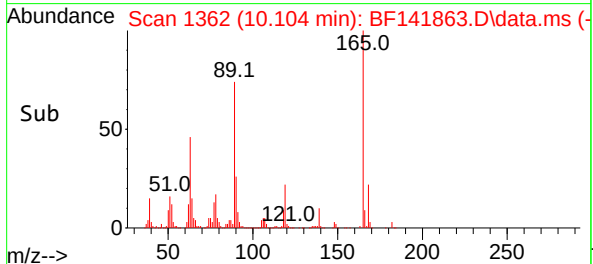
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:165 Resp: 417704
Ion Ratio Lower Upper
165 100
63 46.1 38.8 58.2
89 73.8 62.6 94.0
182 2.8 2.2 3.2

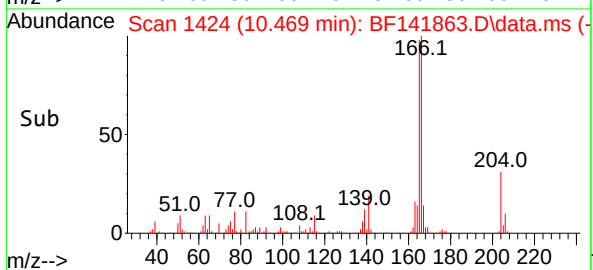
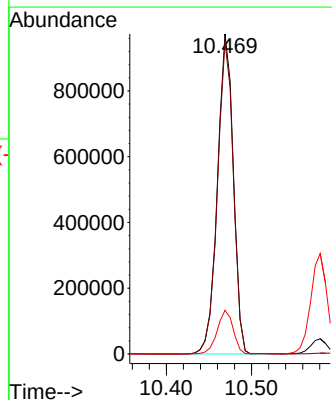
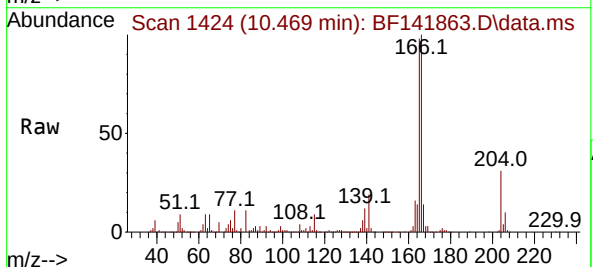
Manual Integrations
APPROVED

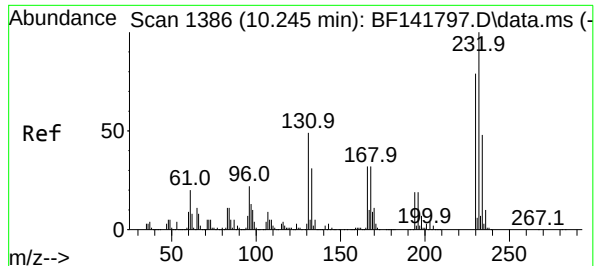
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#58
Fluorene
Concen: 44.544 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

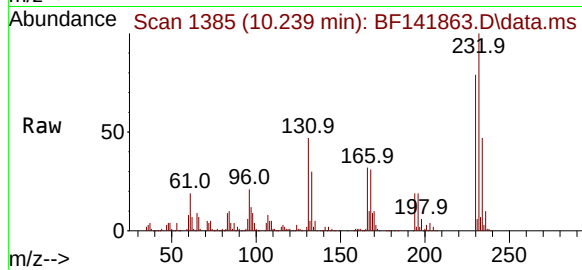
Tgt Ion:166 Resp: 1265412
Ion Ratio Lower Upper
166 100
165 97.6 78.6 117.8
167 13.7 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.696 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

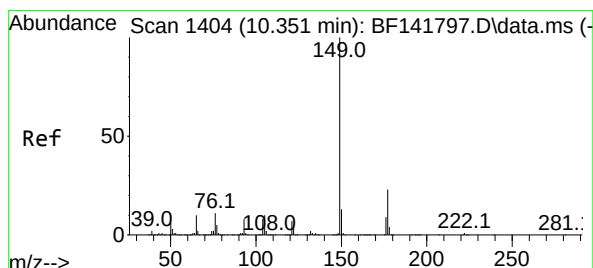
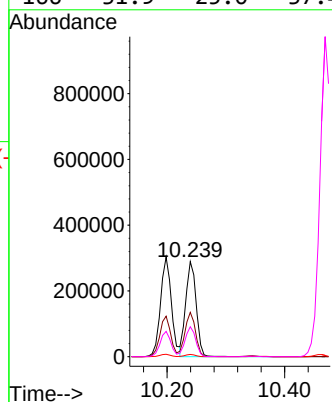
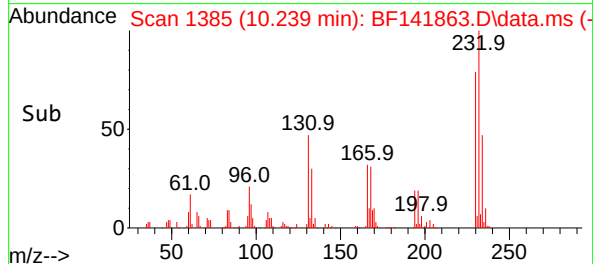
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:232 Resp: 358697
Ion Ratio Lower Upper
232 100
131 47.2 37.8 56.8
130 2.4 2.0 3.0
166 31.9 25.0 37.4

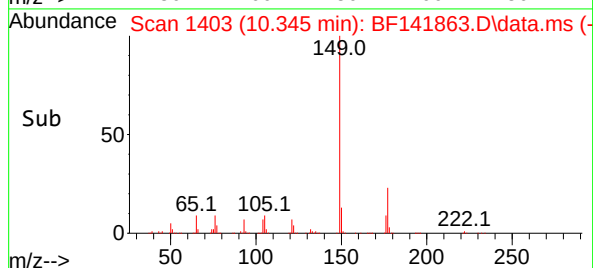
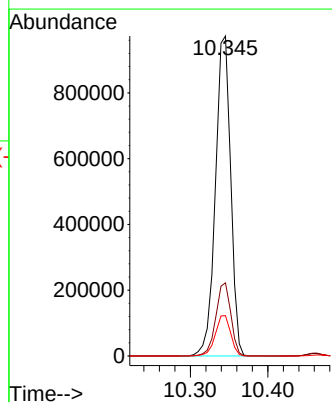
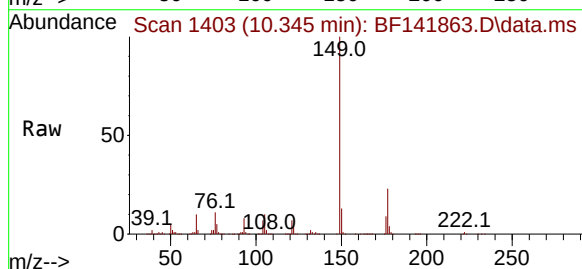
Manual Integrations
APPROVED

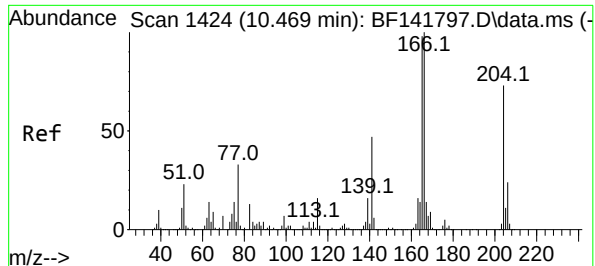
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#60
Diethylphthalate
Concen: 43.160 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

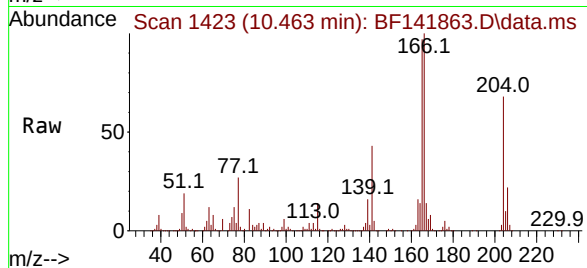
Tgt Ion:149 Resp: 1328398
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.6 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 44.202 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

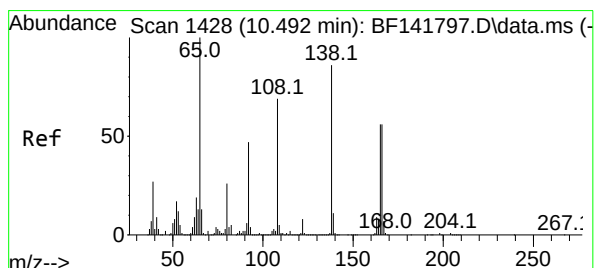
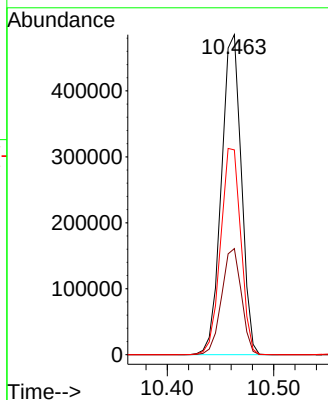
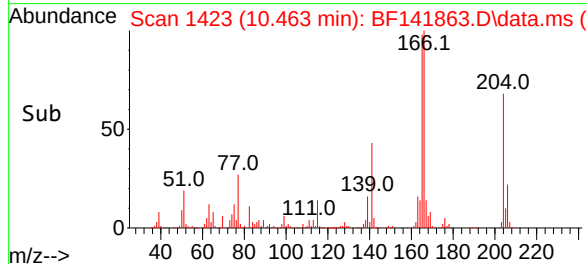
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



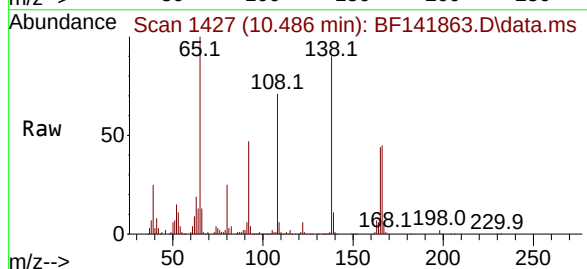
Tgt Ion:204 Resp: 629150
Ion Ratio Lower Upper
204 100
206 33.1 26.2 39.4
141 64.0 51.7 77.5

Manual Integrations
APPROVED

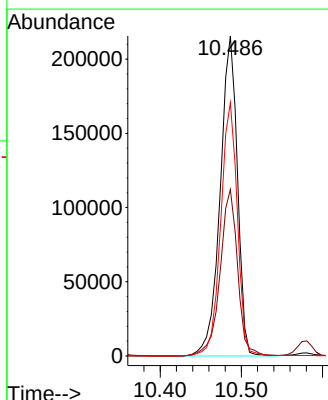
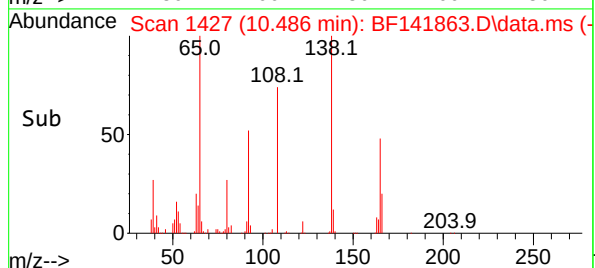
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

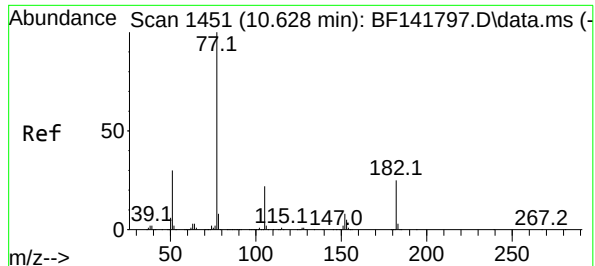


#62
4-Nitroaniline
Concen: 60.958 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



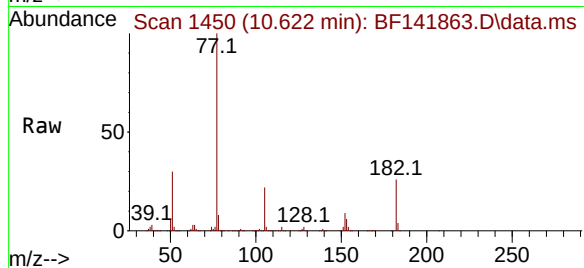
Tgt Ion:138 Resp: 319616
Ion Ratio Lower Upper
138 100
92 52.1 34.9 74.9
108 79.2 59.6 99.6





#63
Azobenzene
Concen: 39.805 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

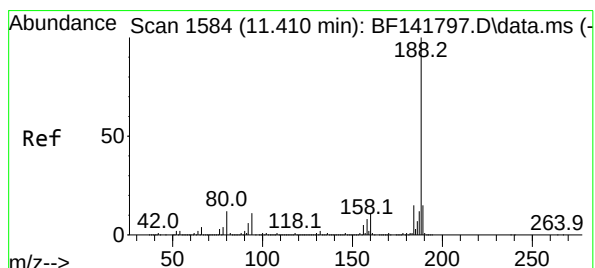
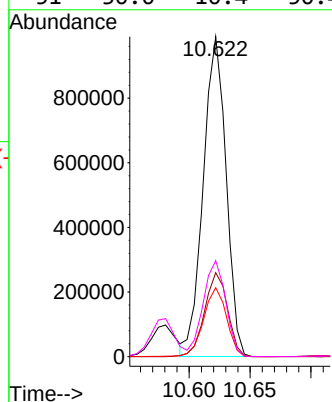
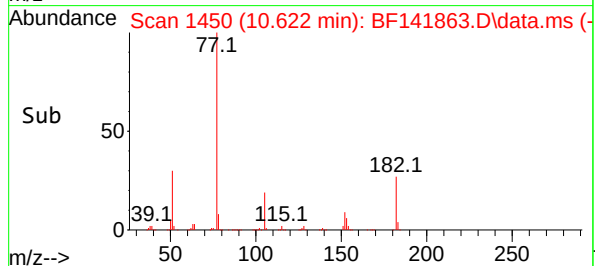
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion: 77 Resp: 128998
Ion Ratio Lower Upper
77 100
182 26.3 4.2 44.2
105 21.6 1.5 41.5
51 30.0 10.4 50.4

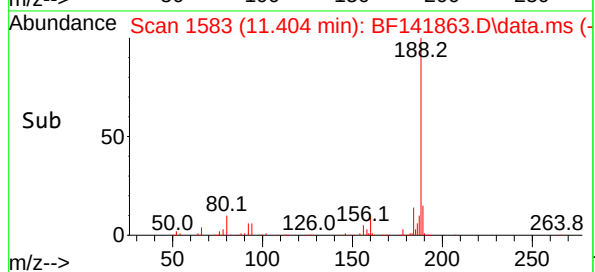
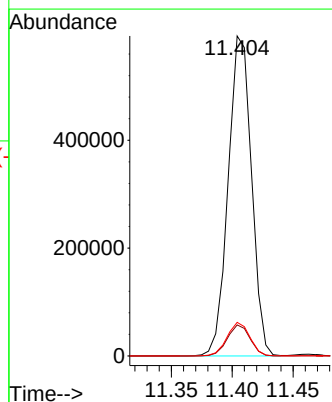
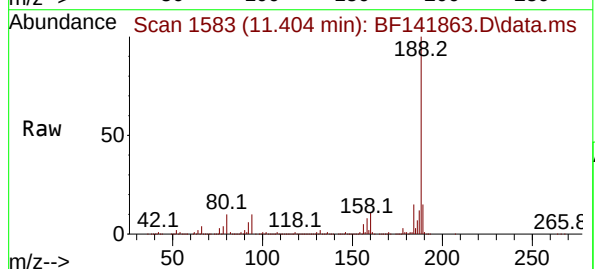
Manual Integrations
APPROVED

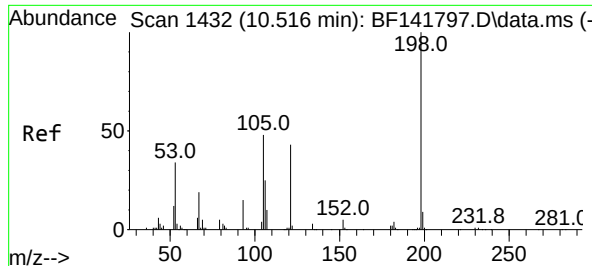
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

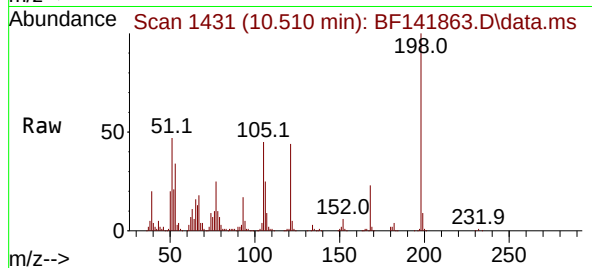
Tgt Ion:188 Resp: 790298
Ion Ratio Lower Upper
188 100
94 9.7 8.9 13.3
80 10.5 9.7 14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 59.526 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

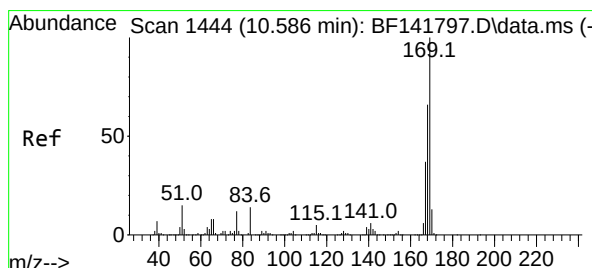
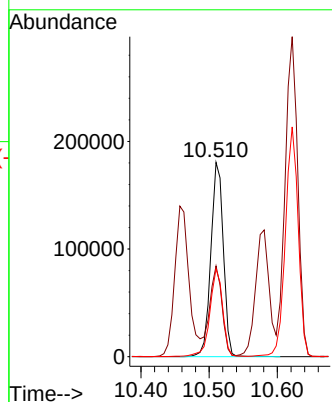
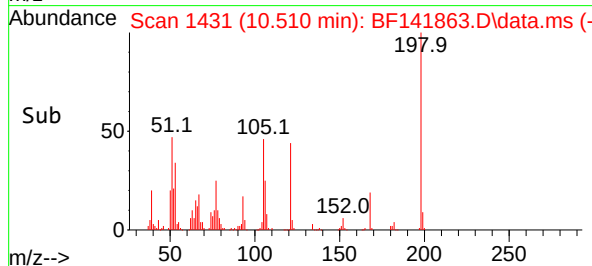
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:198 Resp: 230269
Ion Ratio Lower Upper
198 100
51 46.7 32.1 72.1
105 45.2 28.5 68.5

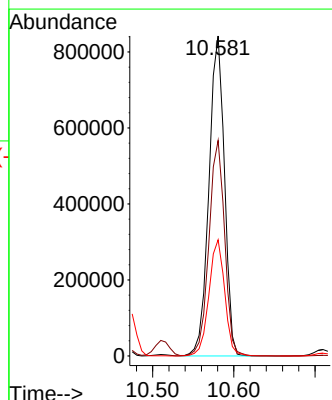
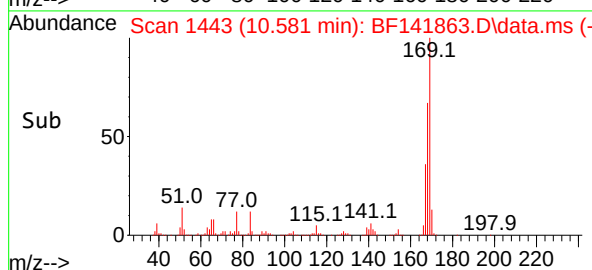
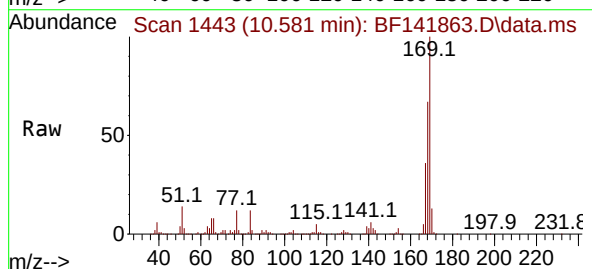
Manual Integrations
APPROVED

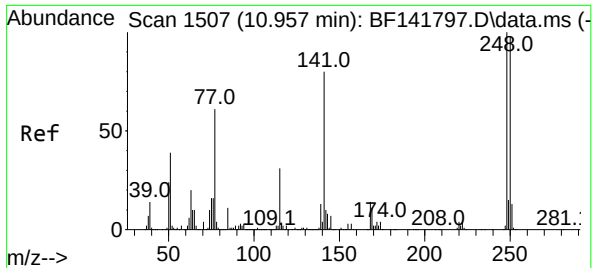
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#66
n-Nitrosodiphenylamine
Concen: 42.991 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

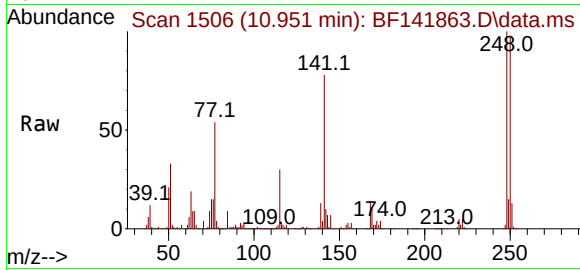
Tgt Ion:169 Resp: 1115654
Ion Ratio Lower Upper
169 100
168 67.4 53.0 79.6
167 36.3 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 43.426 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

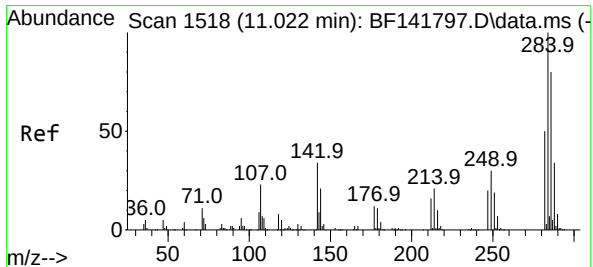
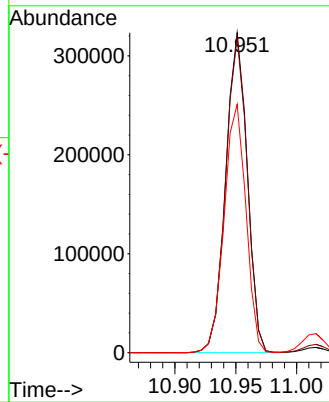
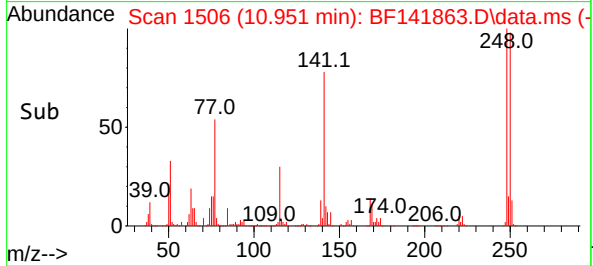
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



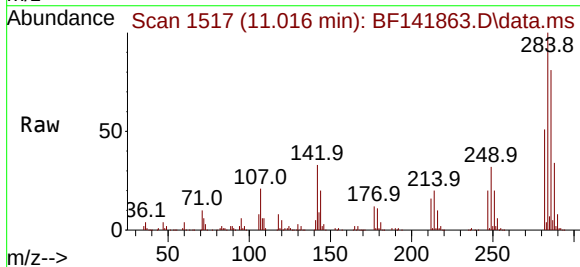
Tgt Ion:248 Resp: 40086
Ion Ratio Lower Upper
248 100
250 98.4 78.1 117.1
141 77.6 64.3 96.5

Manual Integrations
APPROVED

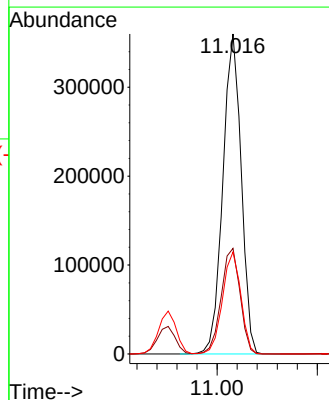
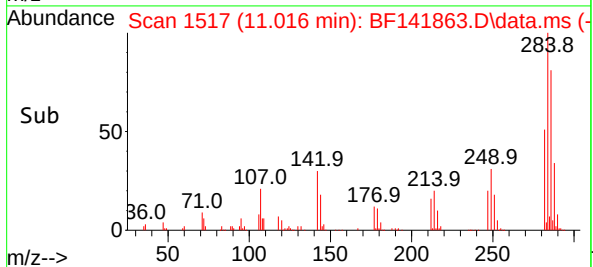
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

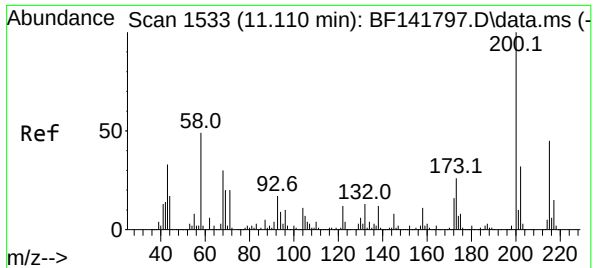


#68
Hexachlorobenzene
Concen: 46.749 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



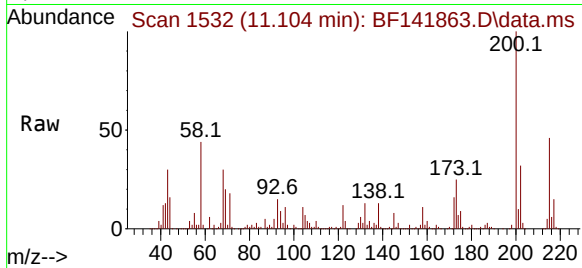
Tgt Ion:284 Resp: 455692
Ion Ratio Lower Upper
284 100
142 33.0 28.2 42.2
249 31.8 25.5 38.3





#69
Atrazine
Concen: 63.698 ng
RT: 11.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

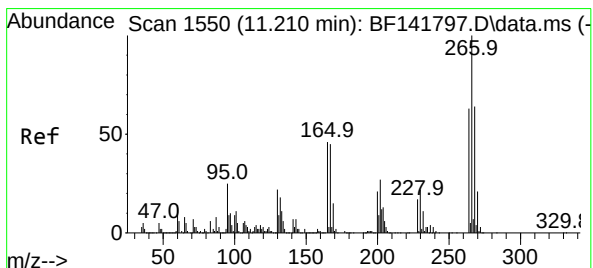
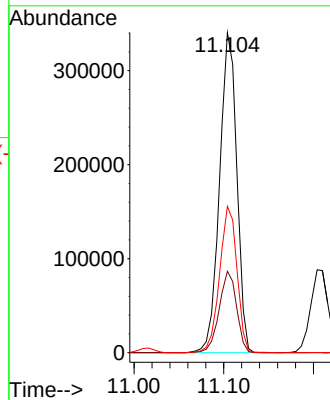
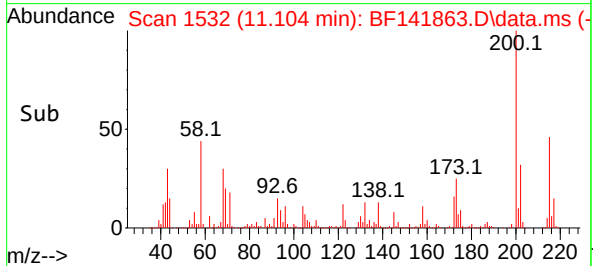
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



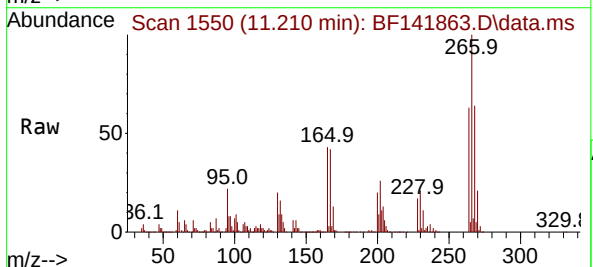
Tgt Ion:200 Resp: 454560
Ion Ratio Lower Upper
200 100
173 25.5 5.6 45.6
215 45.8 25.3 65.3

Manual Integrations
APPROVED

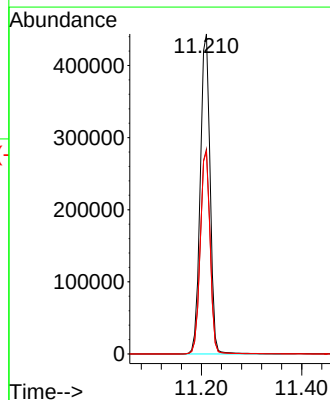
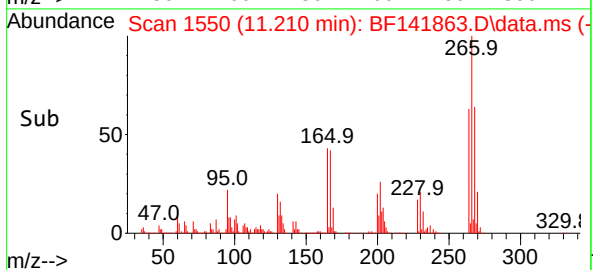
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

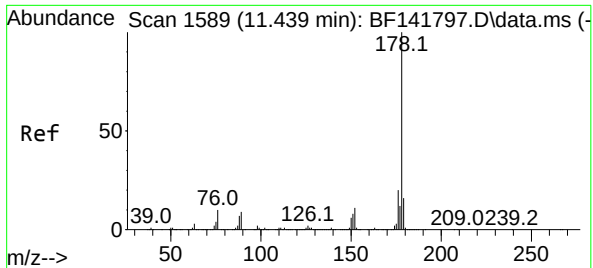


#70
Pentachlorophenol
Concen: 97.260 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



Tgt Ion:266 Resp: 601294
Ion Ratio Lower Upper
266 100
268 64.0 50.9 76.3
264 63.2 50.2 75.4





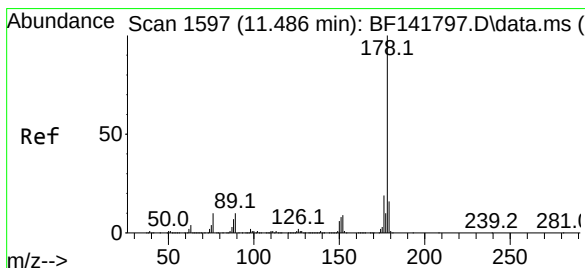
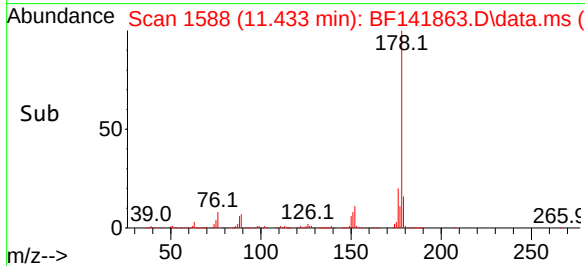
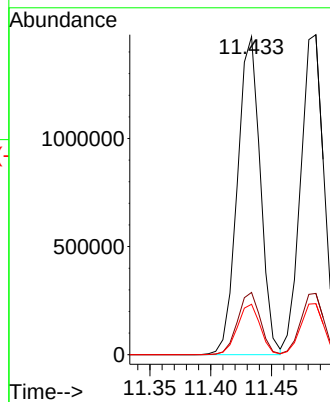
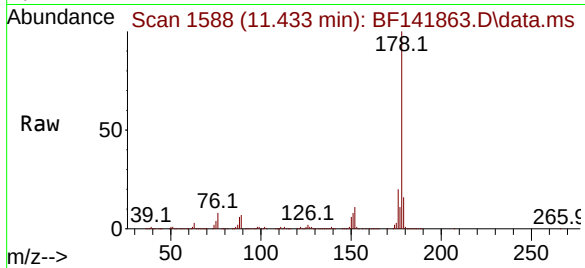
#71
Phenanthrene
Concen: 45.494 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Instrument :
BNA_F
ClientSampleId :
PB166982BSD

Tgt Ion:178 Resp: 192319
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.9 12.6 19.0

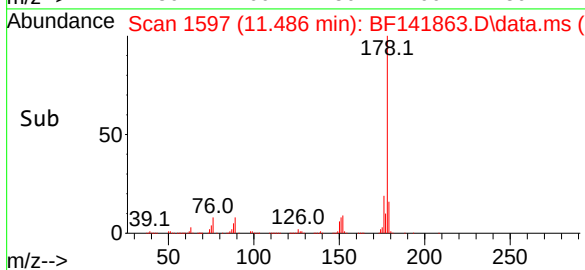
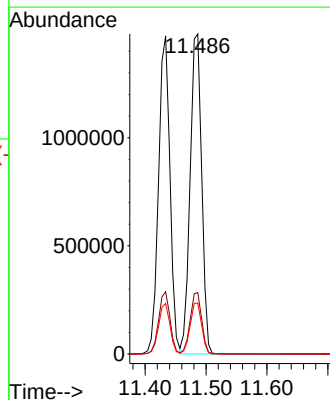
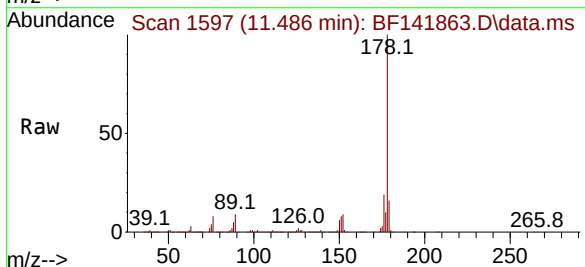
Manual Integrations
APPROVED

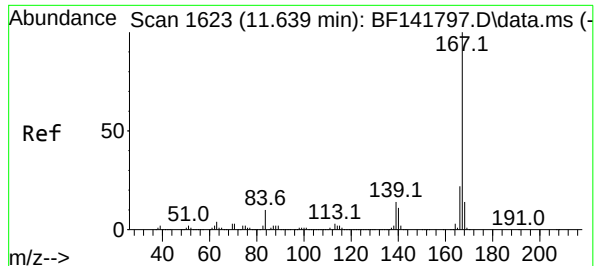
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#72
Anthracene
Concen: 46.084 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:178 Resp: 1952460
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.0 12.8 19.2





#73

Carbazole

Concen: 46.406 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:167 Resp: 173619

Ion Ratio Lower Upper

167 100

166 21.9 17.5 26.3

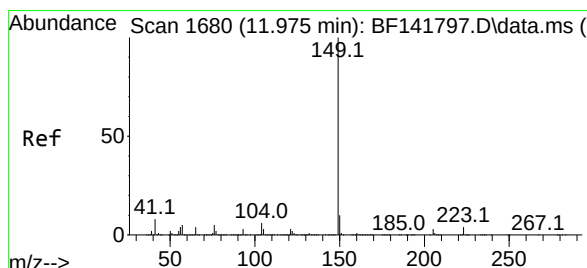
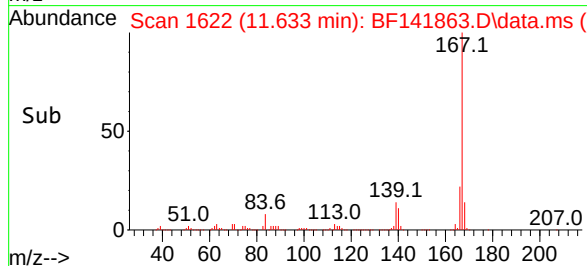
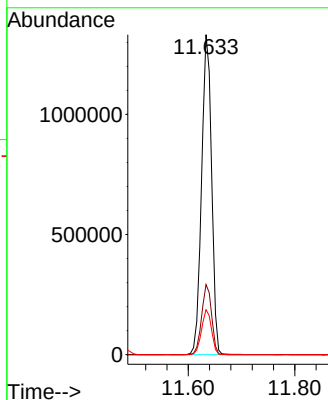
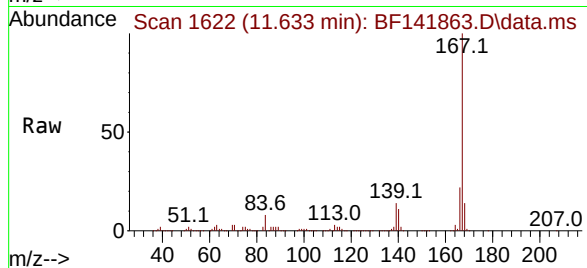
139 14.0 11.3 16.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#74

Di-n-butylphthalate

Concen: 42.719 ng

RT: 11.969 min Scan# 1679

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

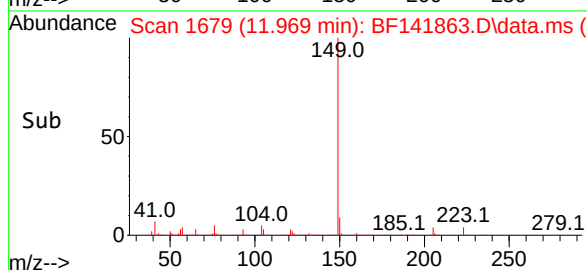
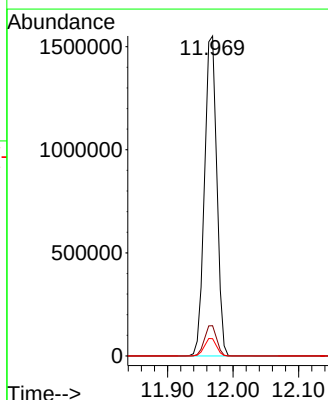
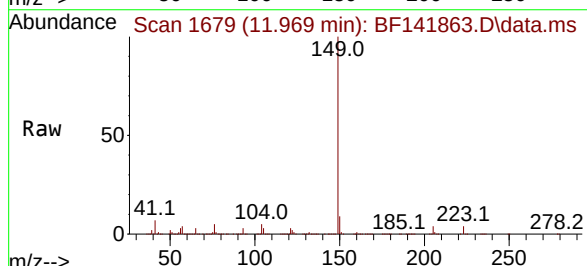
Tgt Ion:149 Resp: 2025906

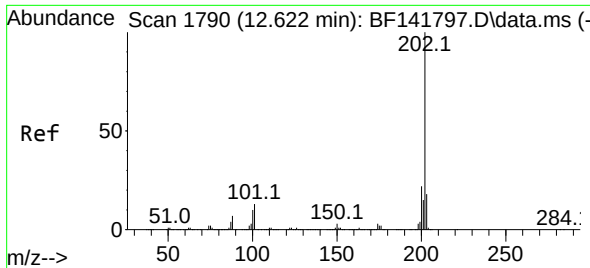
Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

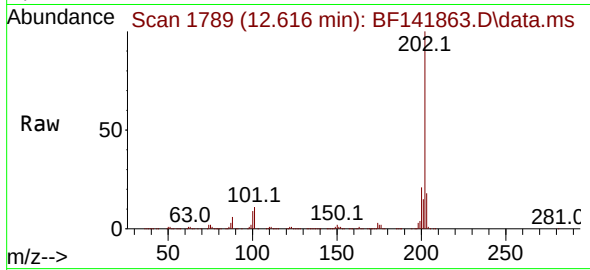
104 5.4 4.4 6.6





#75
Fluoranthene
Concen: 47.405 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

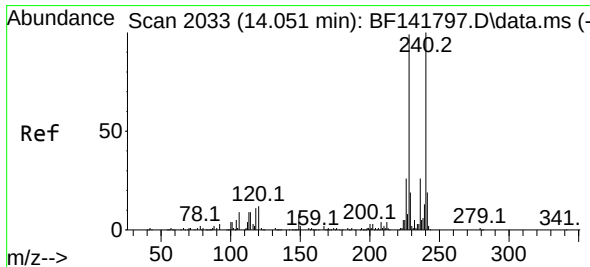
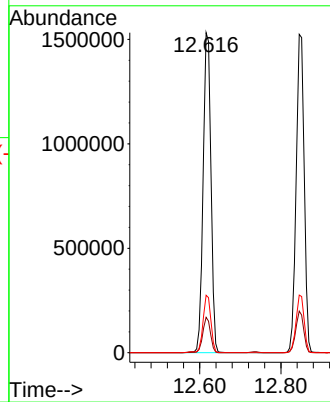
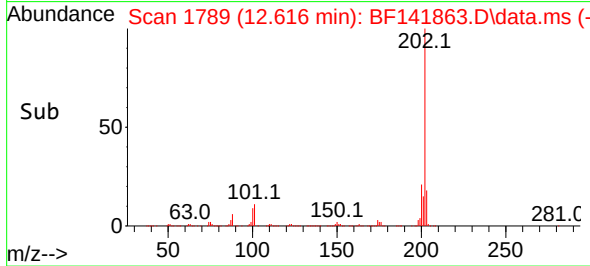
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:202 Resp: 2053372
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.8
203 17.9 0.0 38.0

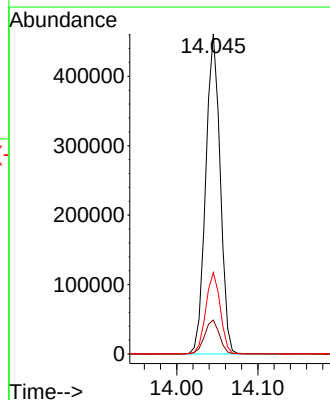
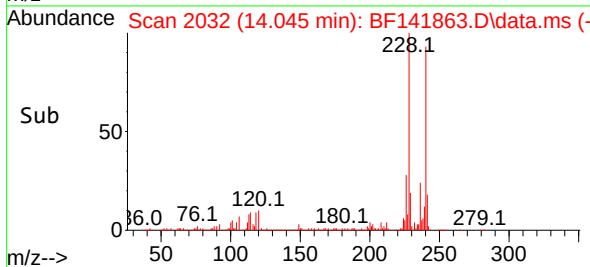
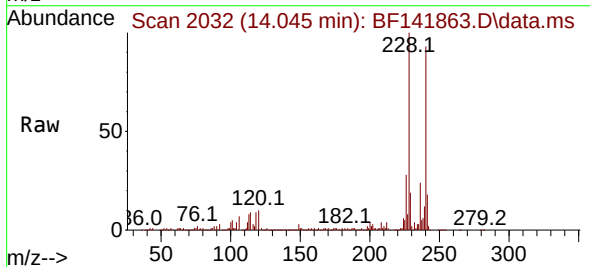
Manual Integrations
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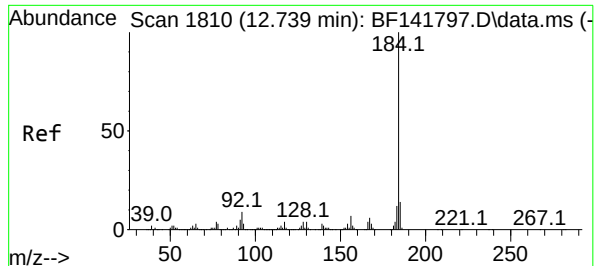
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:240 Resp: 569230
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 25.5 21.0 31.4





#77

Benzidine

Concen: 111.640 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:184 Resp: 799850

Ion Ratio Lower Upper

184 100

185 14.5 11.6 17.4

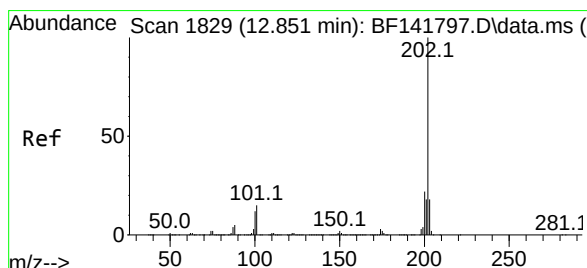
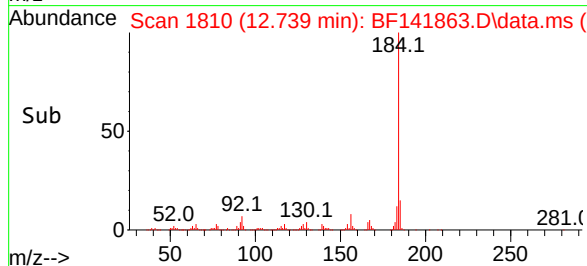
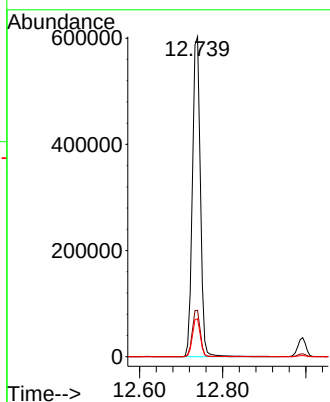
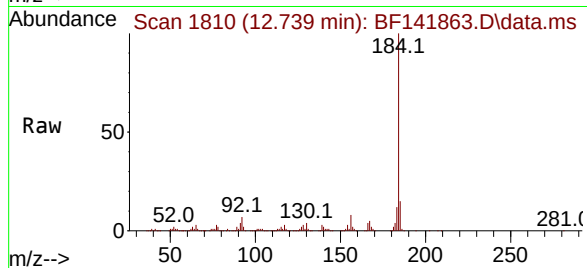
183 11.9 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#78

Pyrene

Concen: 42.306 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

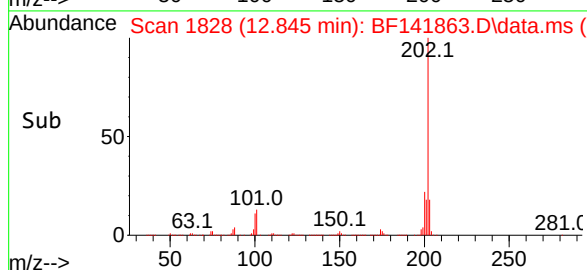
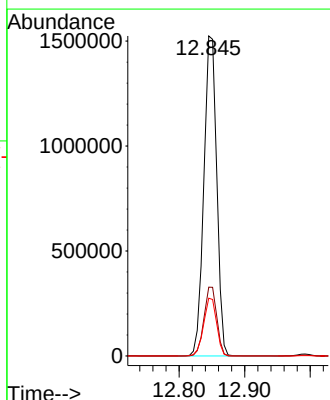
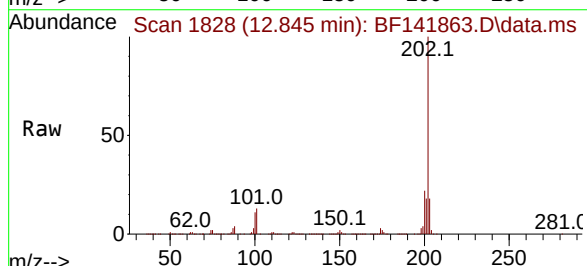
Tgt Ion:202 Resp: 2085318

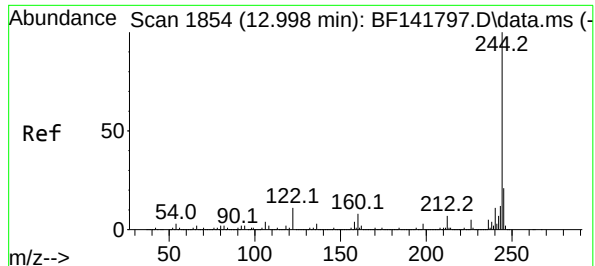
Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.0

203 18.1 14.6 22.0





#79

Terphenyl-d14

Concen: 95.090 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF141863.D

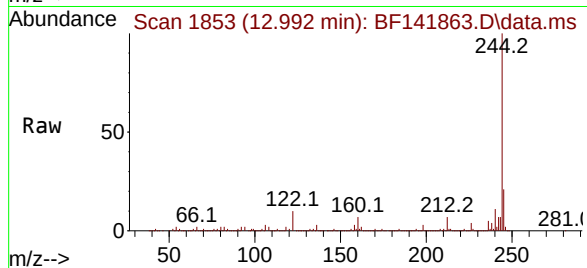
Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD



Tgt Ion:244 Resp: 334553

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

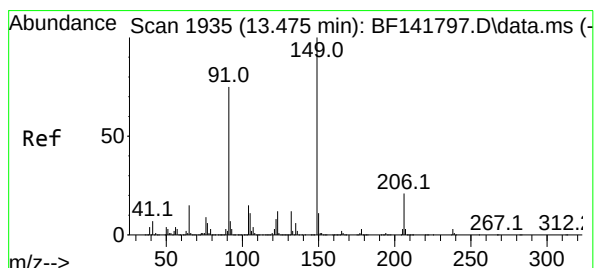
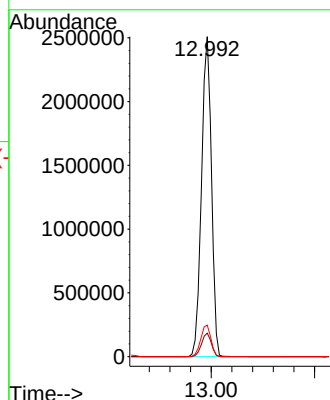
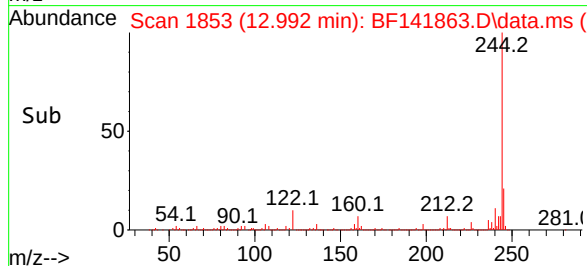
122 9.8 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#80

Butylbenzylphthalate

Concen: 45.705 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

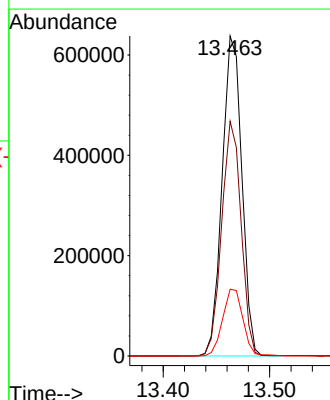
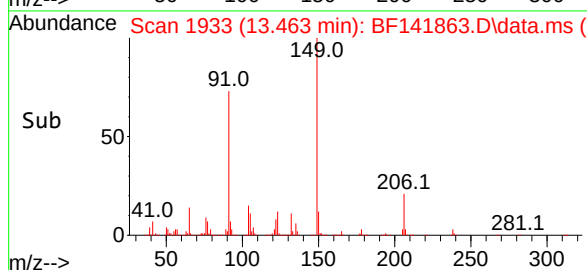
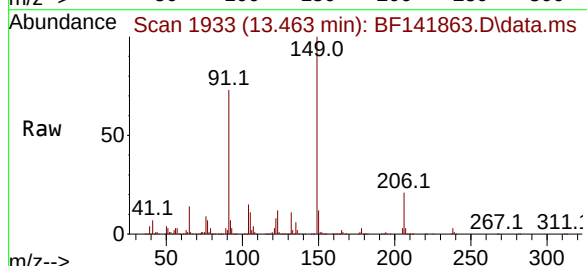
Tgt Ion:149 Resp: 818517

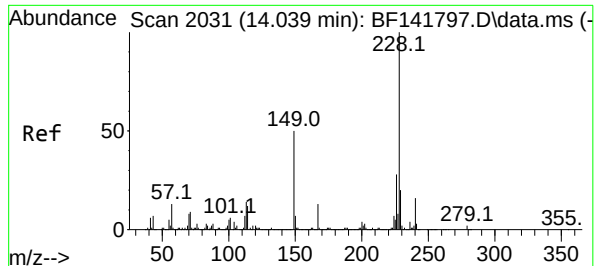
Ion Ratio Lower Upper

149 100

91 73.3 60.1 90.1

206 20.9 16.8 25.2





#81

Benzo(a)anthracene

Concen: 44.583 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:228 Resp: 167626

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

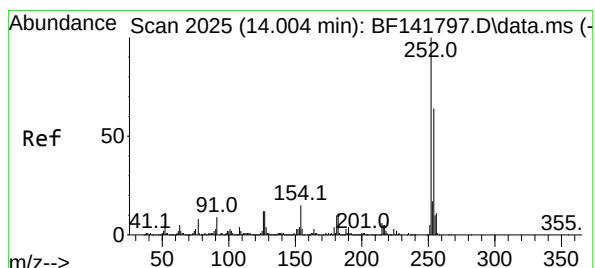
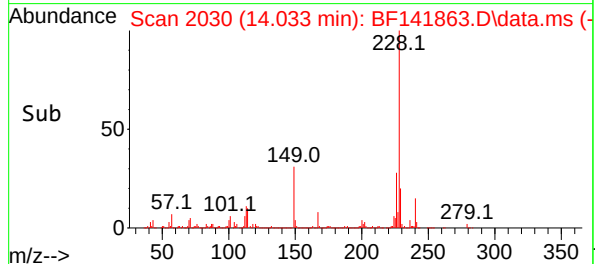
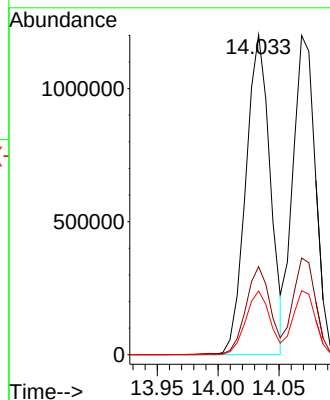
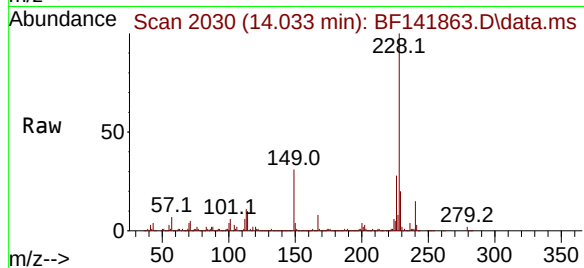
229 19.9 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#82

3,3'-Dichlorobenzidine

Concen: 29.725 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

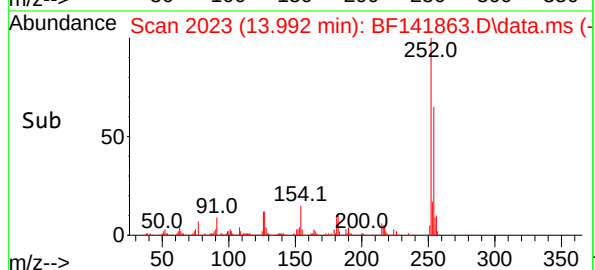
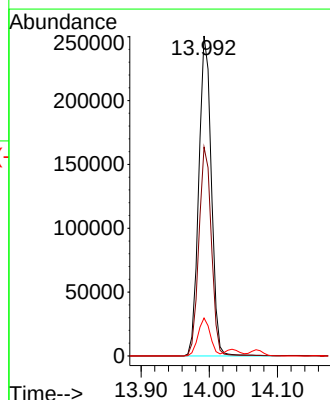
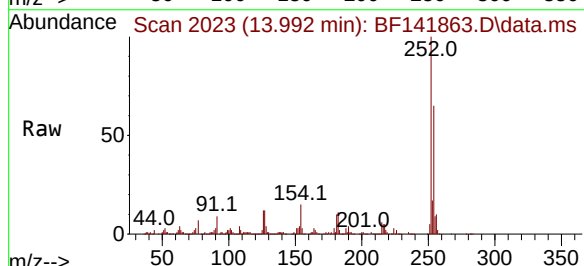
Tgt Ion:252 Resp: 320647

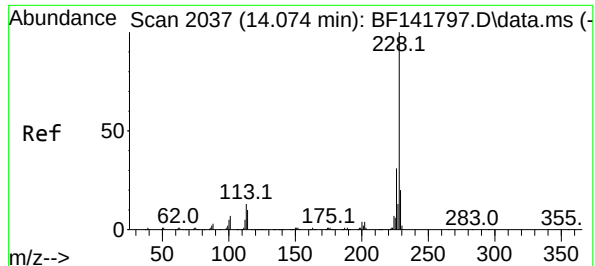
Ion Ratio Lower Upper

252 100

254 65.2 51.4 77.0

126 11.9 9.8 14.6





#83

Chrysene

Concen: 44.720 ng

RT: 14.069 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:228 Resp: 1549950

Ion Ratio Lower Upper

228 100

226 30.3 24.6 37.0

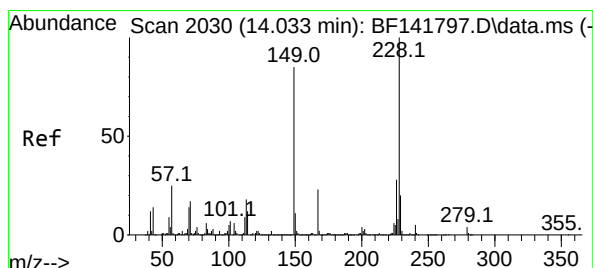
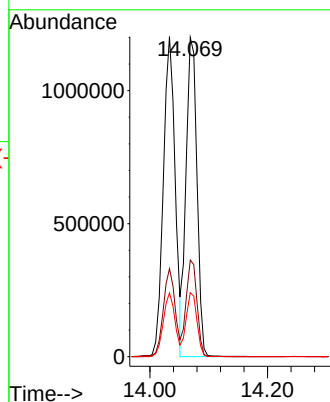
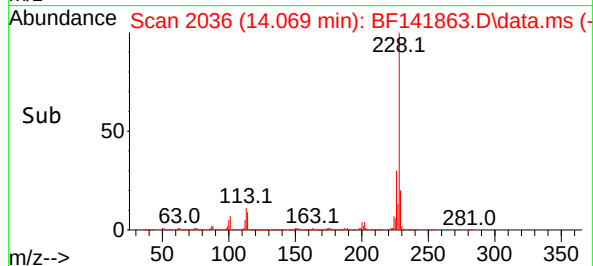
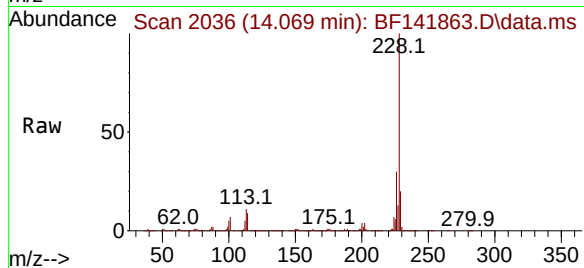
229 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.892 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

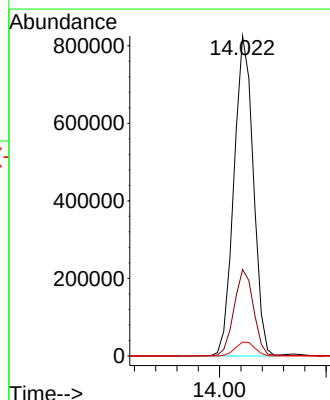
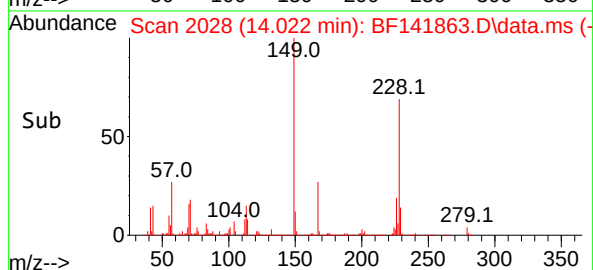
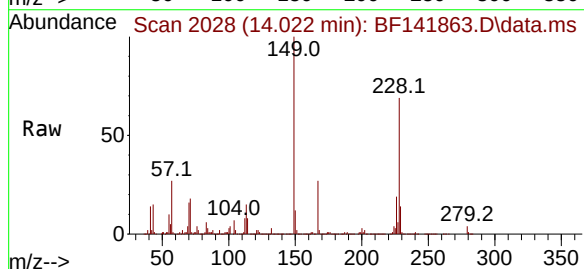
Tgt Ion:149 Resp: 1045650

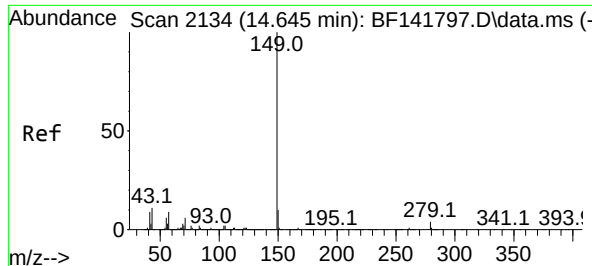
Ion Ratio Lower Upper

149 100

167 27.0 21.2 31.8

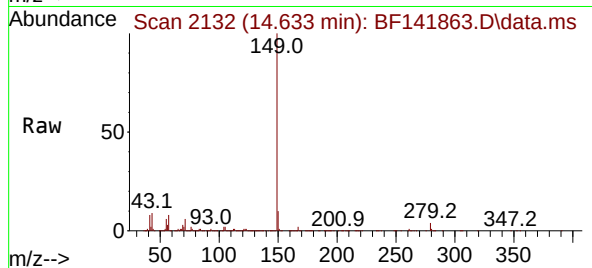
279 4.4 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 45.774 ng
RT: 14.633 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

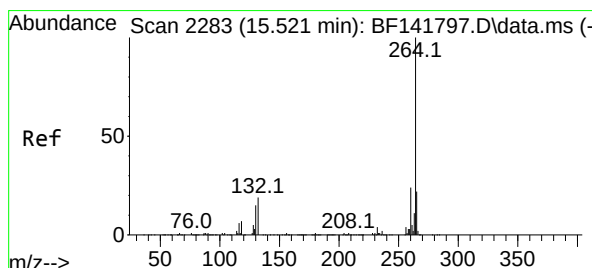
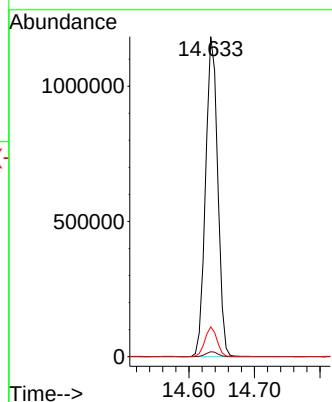
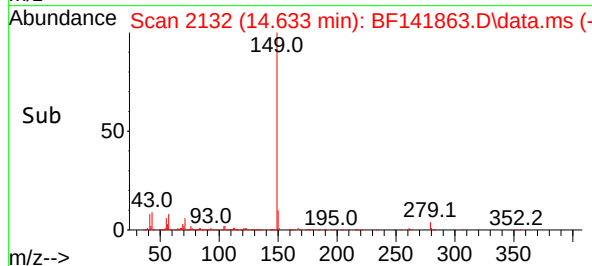
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



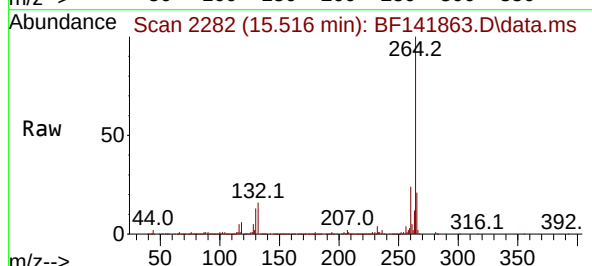
Tgt Ion:149 Resp: 152812
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.1 8.6 12.8

Manual Integrations
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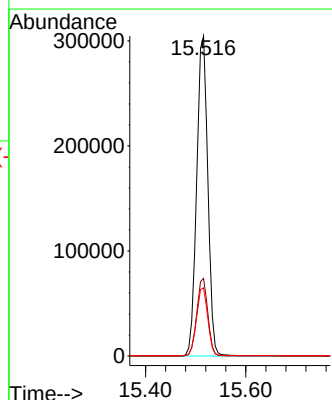
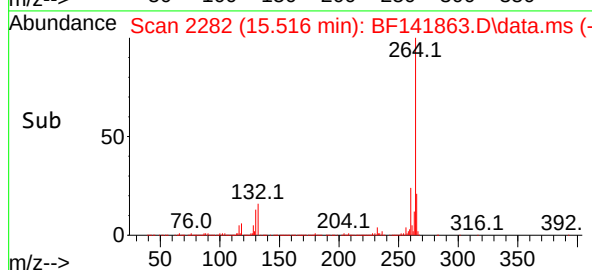
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

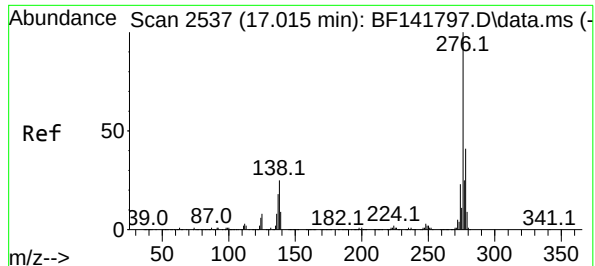


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21



Tgt Ion:264 Resp: 468514
Ion Ratio Lower Upper
264 100
260 24.2 18.9 28.3
265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.269 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:276 Resp: 1350529

Ion Ratio Lower Upper

276 100

138 24.8 22.5 33.7

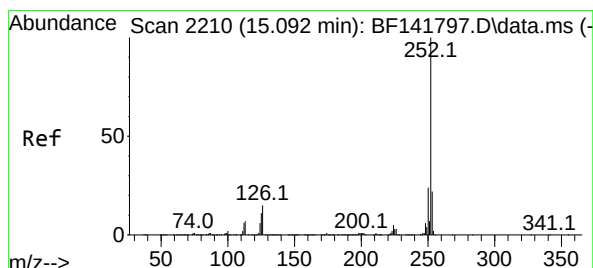
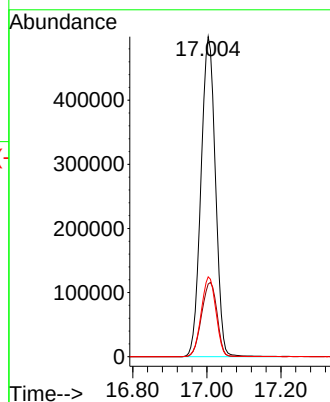
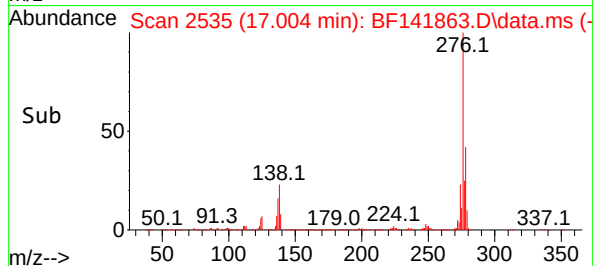
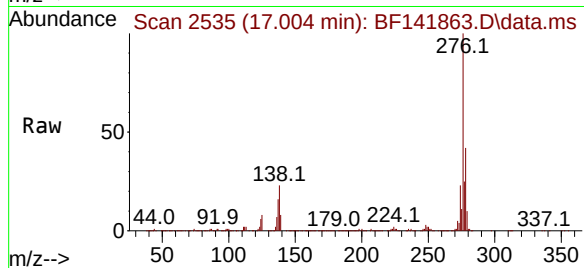
277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#88

Benzo(b)fluoranthene

Concen: 43.962 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

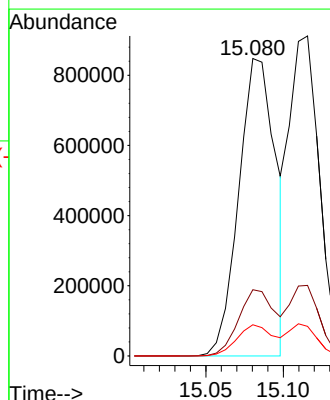
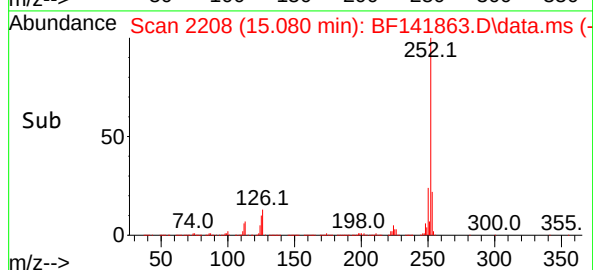
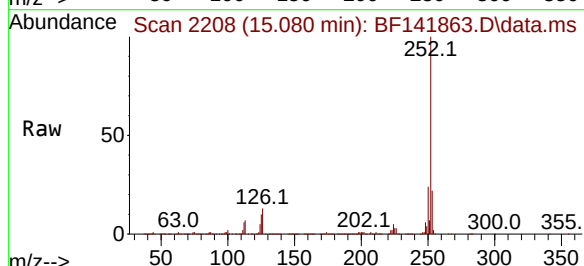
Tgt Ion:252 Resp: 1402993

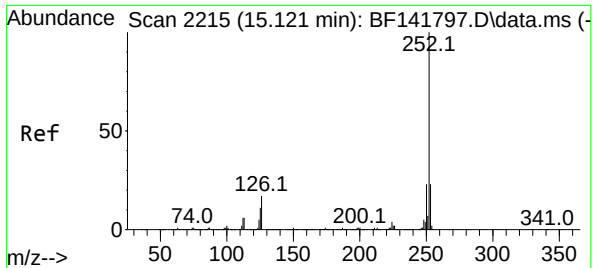
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 10.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 45.150 ng

RT: 15.116 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

Instrument :

BNA_F

ClientSampleId :

PB166982BSD

Tgt Ion:252 Resp: 122470

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

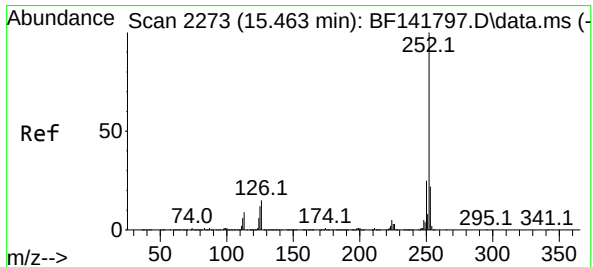
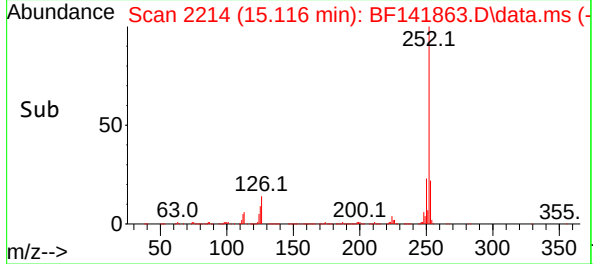
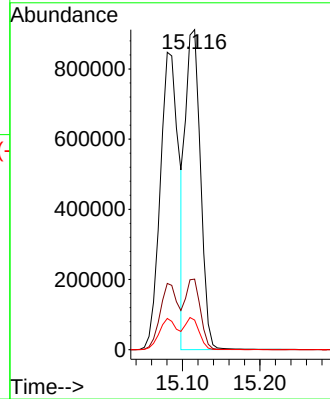
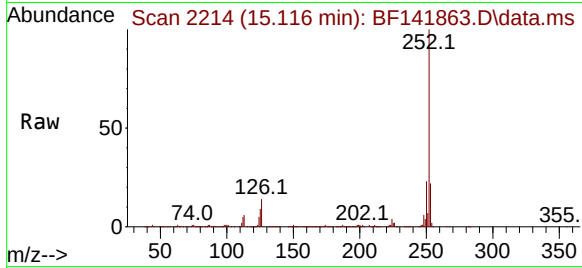
125 9.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#90

Benzo(a)pyrene

Concen: 47.474 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141863.D

Acq: 06 Mar 2025 12:21

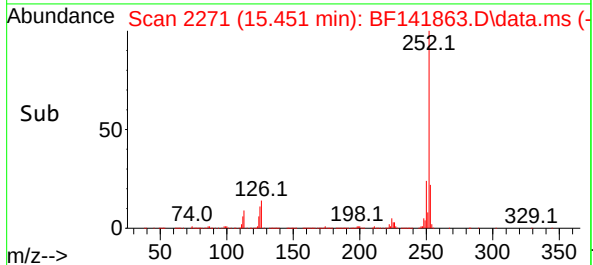
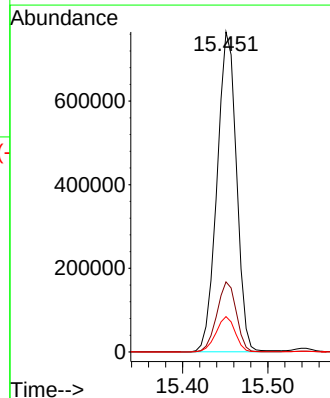
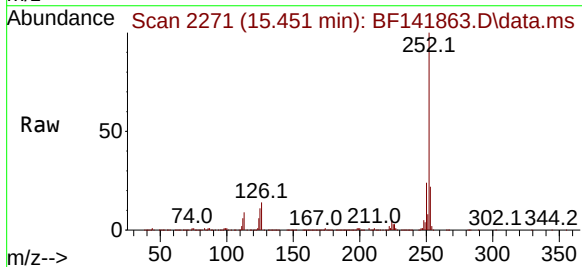
Tgt Ion:252 Resp: 1215083

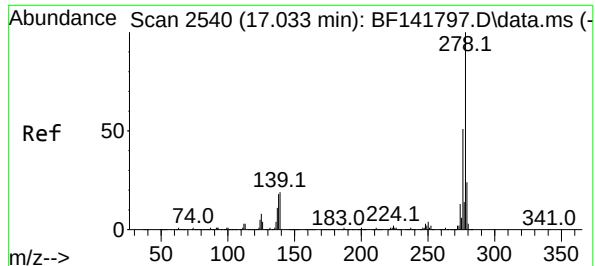
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

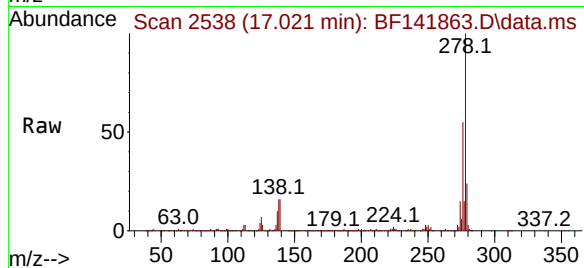
125 11.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 44.973 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

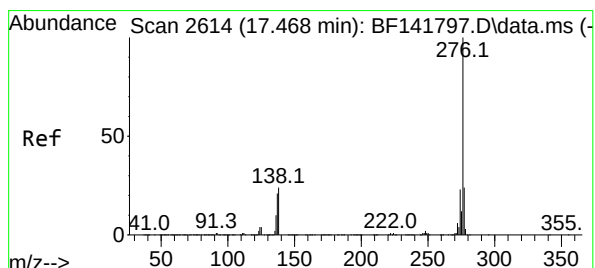
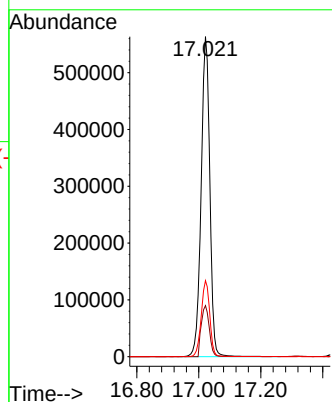
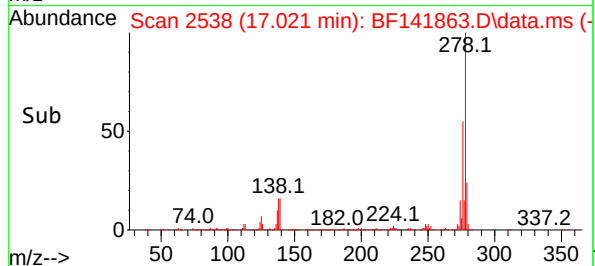
Instrument :
BNA_F
ClientSampleId :
PB166982BSD



Tgt Ion:278 Resp: 109517
Ion Ratio Lower Upper
278 100
139 15.9 14.9 22.3
279 23.7 19.3 28.9

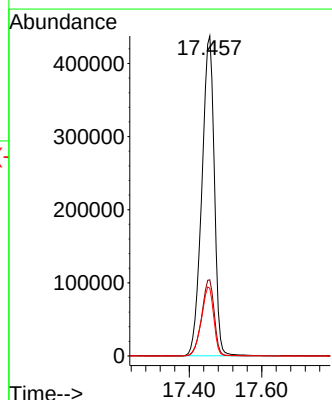
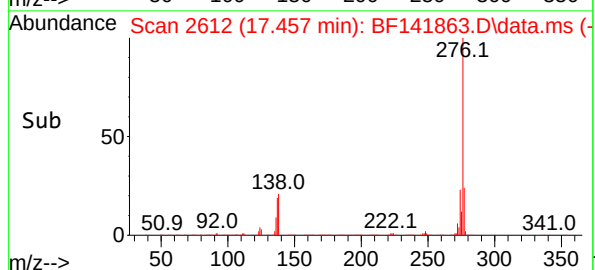
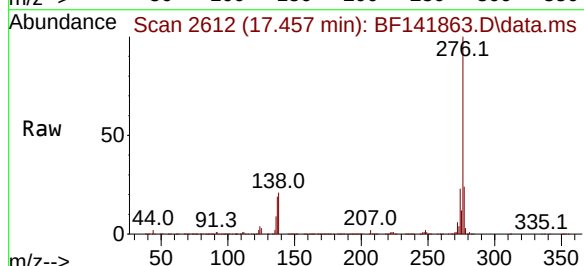
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 41.770 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141863.D
Acq: 06 Mar 2025 12:21

Tgt Ion:276 Resp: 1042057
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.0
138 21.2 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:

bf030625

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166982BS	BF141862.D	Benzidine	anahy	3/7/2025 8:56:09 AM	Jagrut	3/7/2025 9:42:50 AM	Peak Integrated by Software
PB166982BS	BF141862.D	Caprolactam	anahy	3/7/2025 8:56:09 AM	Jagrut	3/7/2025 9:42:50 AM	Peak Integrated by Software
PB166982BSD	BF141863.D	Caprolactam	anahy	3/7/2025 8:56:52 AM	Jagrut	3/7/2025 9:42:52 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 # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM
SubDirectory	BF030625	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	BF141857.D	06 Mar 2025 08:34	RC/JU	Ok
2	SSTDCCC040	BF141858.D	06 Mar 2025 09:52	RC/JU	Ok
3	PB166984BL	BF141859.D	06 Mar 2025 10:22	RC/JU	Ok
4	PB166984BS	BF141860.D	06 Mar 2025 10:52	RC/JU	Ok,M
5	PB166982BL	BF141861.D	06 Mar 2025 11:21	RC/JU	Ok
6	PB166982BS	BF141862.D	06 Mar 2025 11:51	RC/JU	Ok,M
7	PB166982BSD	BF141863.D	06 Mar 2025 12:21	RC/JU	Ok,M
8	Q1488-07	BF141864.D	06 Mar 2025 13:01	RC/JU	Ok
9	Q1488-01	BF141865.D	06 Mar 2025 13:31	RC/JU	Ok
10	Q1489-05	BF141866.D	06 Mar 2025 14:01	RC/JU	Ok,M
11	Q1478-01	BF141867.D	06 Mar 2025 14:31	RC/JU	Ok
12	Q1478-07	BF141868.D	06 Mar 2025 15:01	RC/JU	Ok
13	Q1478-05	BF141869.D	06 Mar 2025 15:30	RC/JU	Ok
14	Q1488-14	BF141870.D	06 Mar 2025 16:00	RC/JU	Ok
15	Q1488-13	BF141871.D	06 Mar 2025 16:29	RC/JU	Ok
16	Q1478-03	BF141872.D	06 Mar 2025 16:59	RC/JU	Ok
17	Q1484-06	BF141873.D	06 Mar 2025 17:29	RC/JU	Ok
18	Q1492-01	BF141874.D	06 Mar 2025 17:59	RC/JU	Ok
19	Q1492-01MS	BF141875.D	06 Mar 2025 18:29	RC/JU	Ok,M
20	Q1492-01MSD	BF141876.D	06 Mar 2025 18:58	RC/JU	Ok,M
21	Q1494-05	BF141877.D	06 Mar 2025 19:28	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM
SubDirectory	BF030625	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			

22	Q1494-07	BF141878.D	06 Mar 2025 19:58	RC/JU	Ok
23	Q1490-01	BF141879.D	06 Mar 2025 20:27	RC/JU	Ok,M
24	Q1484-01DL	BF141880.D	06 Mar 2025 20:57	RC/JU	Not 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 # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM
SubDirectory	BF030625	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	BF141857.D	06 Mar 2025 08:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141858.D	06 Mar 2025 09:52		RC/JU	Ok
3	PB166984BL	PB166984BL	BF141859.D	06 Mar 2025 10:22		RC/JU	Ok
4	PB166984BS	PB166984BS	BF141860.D	06 Mar 2025 10:52		RC/JU	Ok,M
5	PB166982BL	PB166982BL	BF141861.D	06 Mar 2025 11:21		RC/JU	Ok
6	PB166982BS	PB166982BS	BF141862.D	06 Mar 2025 11:51		RC/JU	Ok,M
7	PB166982BSD	PB166982BSD	BF141863.D	06 Mar 2025 12:21		RC/JU	Ok,M
8	Q1488-07	ENV-102-SB02	BF141864.D	06 Mar 2025 13:01		RC/JU	Ok
9	Q1488-01	ENV-101-SB01	BF141865.D	06 Mar 2025 13:31		RC/JU	Ok
10	Q1489-05	TP-2	BF141866.D	06 Mar 2025 14:01		RC/JU	Ok,M
11	Q1478-01	IDW-AQ-MW-19B-COM	BF141867.D	06 Mar 2025 14:31		RC/JU	Ok
12	Q1478-07	IDW-AQ-IW-03-COMP	BF141868.D	06 Mar 2025 15:01		RC/JU	Ok
13	Q1478-05	IDW-AQ-IW-02-COMP	BF141869.D	06 Mar 2025 15:30		RC/JU	Ok
14	Q1488-14	ENV-104-GW01	BF141870.D	06 Mar 2025 16:00		RC/JU	Ok
15	Q1488-13	ENV-102-GW01	BF141871.D	06 Mar 2025 16:29		RC/JU	Ok
16	Q1478-03	IDW-AQ-IW-01-COMP	BF141872.D	06 Mar 2025 16:59		RC/JU	Ok
17	Q1484-06	TR-OTR-COMP-01	BF141873.D	06 Mar 2025 17:29		RC/JU	Ok
18	Q1492-01	RHL1PXI	BF141874.D	06 Mar 2025 17:59		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	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					

19	Q1492-01MS	RHL1PXIMS	BF141875.D	06 Mar 2025 18:29		RC/JU	Ok,M
20	Q1492-01MSD	RHL1PXIMSD	BF141876.D	06 Mar 2025 18:58		RC/JU	Ok,M
21	Q1494-05	SOIL	BF141877.D	06 Mar 2025 19:28		RC/JU	Ok
22	Q1494-07	SOIL-COMP	BF141878.D	06 Mar 2025 19:58		RC/JU	Ok
23	Q1490-01	CLAY-SLUDGE-DRUM	BF141879.D	06 Mar 2025 20:27		RC/JU	Ok,M
24	Q1484-01DL	TR-OTR-COMP-01DL	BF141880.D	06 Mar 2025 20:57	Out Of Tune Time	RC/JU	Not Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/4/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:05
Out Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134870

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1472-01	40308	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1474-01	BU-03-02282025	2	1.15	8.63	9.78	9.2	93.3	
Q1474-02	BU-03-02282025	3	1.15	8.45	9.6	8.7	89.3	
Q1475-01	TR-04-02282025	4	1.12	8.67	9.79	9.06	91.6	
Q1475-02	TR-04-02282025-E2	5	1.16	8.72	9.88	9.44	95.0	
Q1476-02	TRE-25-0016	6	1.18	8.57	9.75	9.18	93.3	
Q1476-03	TRE-25-0017	7	1.00	1.00	2.00	2.00	100.0	debris
Q1478-14	IDW-SO-COMP-022825	8	1.15	8.82	9.97	8.59	84.4	
Q1478-15	IDW-SO-DRUM-585-022825	9	1.18	8.68	9.86	8.56	85.0	
Q1478-16	IDW-SO-DRUM-585-022825	10	1.18	8.45	9.63	8.23	83.4	
Q1479-01	P5	11	1.14	8.64	9.78	8.89	89.7	
Q1479-02	DSP2	12	1.15	8.75	9.9	9.1	90.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

134870

WorkList Name : %1-030325

WorkList ID : 187978

Department : Wet-Chemistry

Date : 03-03-2025 07:39:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1472-01	40308	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/28/2025	Chemtech -SO
Q1474-01	BU-03-02282025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1474-02	BU-03-02282025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1475-01	TR-04-02282025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1475-02	TR-04-02282025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1476-02	TRE-25-0016	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1476-03	TRE-25-0017	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/28/2025	Chemtech -SO
Q1478-14	IDW-SO-COMP-022825	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/28/2025	Chemtech -SO
Q1478-15	IDW-SO-DRUM-585-022825	Solid	Percent Solids	Cool 4 deg C	JACO05	H31	02/28/2025	Chemtech -SO
Q1478-16	IDW-SO-DRUM-585-022825	Solid	Percent Solids	Cool 4 deg C	JACO05	H31	02/28/2025	Chemtech -SO
Q1479-01	P5	Solid	Percent Solids	Cool 4 deg C	JACO05	H31	02/28/2025	Chemtech -SO
Q1479-02	DSP2	Solid	Percent Solids	Cool 4 deg C	GENV01	H31	03/03/2025	Chemtech -SO
					GENV01	H31	03/03/2025	Chemtech -SO

Date/Time 03/03/25 15:30

Raw Sample Received by: SO WDCI

Raw Sample Relinquished by: Q8 Sm

Date/Time 03/03/25 17:10

Raw Sample Received by: CP SA

Raw Sample Relinquished by: SO WDCI

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Extraction Start Date : 03/05/2025

Matrix : Water

Extraction Start Time : 08:35

Weigh By: N/A

Extraction By: RS

Extraction End Date : 03/05/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 13:35

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3880

Hood ID: 4,6,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☒ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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
10N NaOH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.
Q1488-13,14 Limited volume received.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

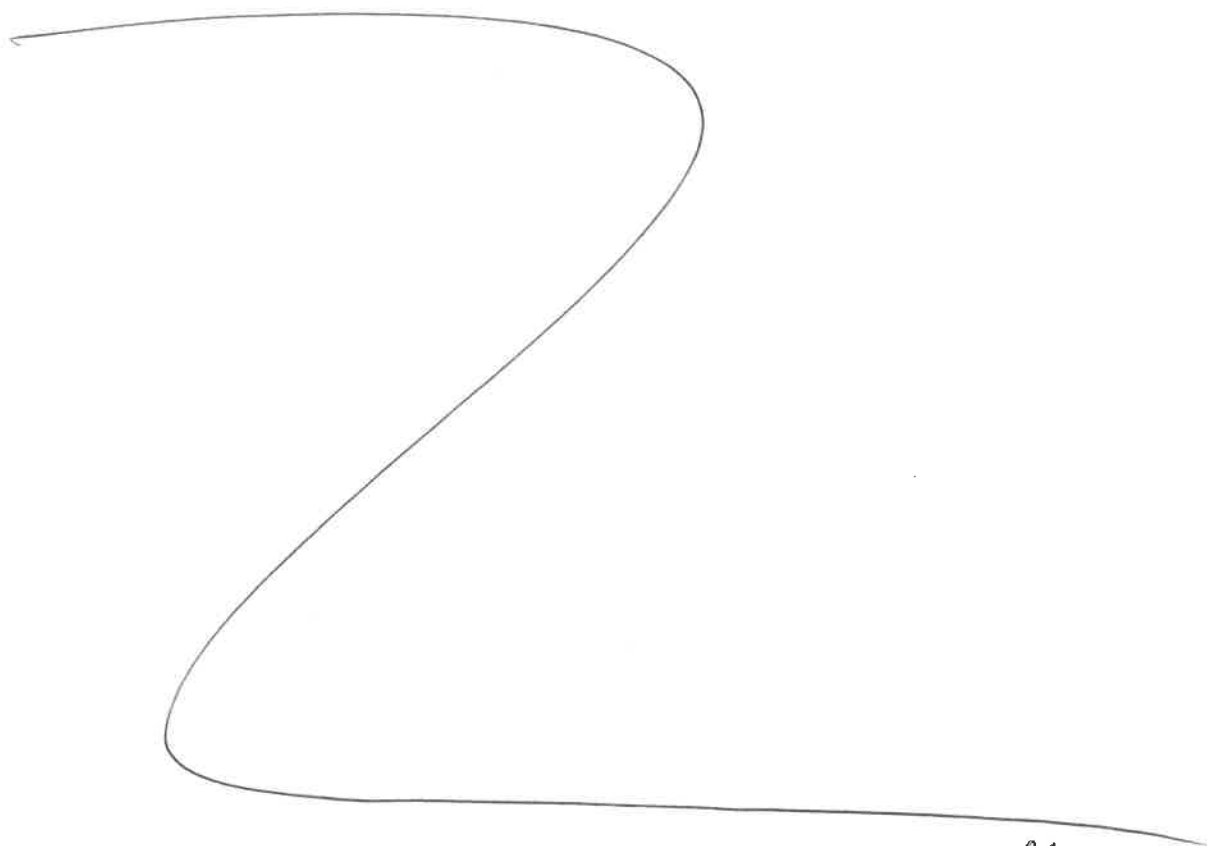
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/5/25	RS (Ext-Lab)	RC/SVOC
13:40	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				
PB166982BL	SBLK982	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1			SEP-1
PB166982BS	SLCS982	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1			2
PB166982BSD	SLCSD982	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1			3
Q1478-01	IDW-AQ-MW-19B-COMP-022825	SVOC-TCL BNA -20	970	6	RUPESEH	ritesh	1	C		4
Q1478-03	IDW-AQ-IW-01-COMP-022825	SVOC-TCL BNA -20	960	11	RUPESEH	ritesh	1	C		5
Q1478-05	IDW-AQ-IW-02-COMP-022825	SVOC-TCL BNA -20	940	6	RUPESEH	ritesh	1	C		6
Q1478-07	IDW-AQ-IW-03-COMP-022825	SVOC-TCL BNA -20	960	6	RUPESEH	ritesh	1	c		7
Q1480-33	TP-3-WATER-SAMPLE	SVOC-TCL BNA -20	990	6	RUPESEH	ritesh	1	M		8
Q1488-13	ENV-102-GW01	SVOC-TCL BNA -20	700	6	RUPESEH	ritesh	1	F		9
Q1488-14	ENV-104-GW01	SVOC-TCL BNA -20	570	6	RUPESEH	ritesh	1	F		10



RS
3/5

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1478BN WorkList ID : 188023 Department : Extraction Date : 03-05-2025 08:23:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1478-01	IDW-AQ-MW-19B-COMP-022825	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	H31	02/28/2025	8270E
Q1478-03	IDW-AQ-IW-01-COMP-022825	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	H31	02/28/2025	8270E
Q1478-05	IDW-AQ-IW-02-COMP-022825	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	H31	02/28/2025	8270E
Q1478-07	IDW-AQ-IW-03-COMP-022825	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	H31	02/28/2025	8270E
Q1480-33	TP-3-WATER-SAMPLE	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I11	03/03/2025	8270E
Q1488-13	ENV-102-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	H31	03/04/2025	8270E
Q1488-14	ENV-104-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	H31	03/04/2025	8270E

Date/Time 3/5/25 8:30
 Raw Sample Received by: RS (Ext-64b)
 Raw Sample Relinquished by: CP SM

Date/Time 3/5/25 9:05
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RS (Ext-64b)

Prep Standard - Chemical Standard Summary

Order ID : Q1478
Test : SVOC-TCL BNA -20

Prepbatch ID : PB166982,
Sequence ID/Qc Batch ID: BF030625,

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								



<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								

[illegible]



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel
(8270/625/CLP) 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 12/27/2024
<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

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG
S11084
to
S11088

*Not a certified value

Certified By: _____

Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403

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Date Received: _____

Certificate of Analysis

Rev 0

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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

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Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By: _____

Erica Castiglione
Chemist



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:

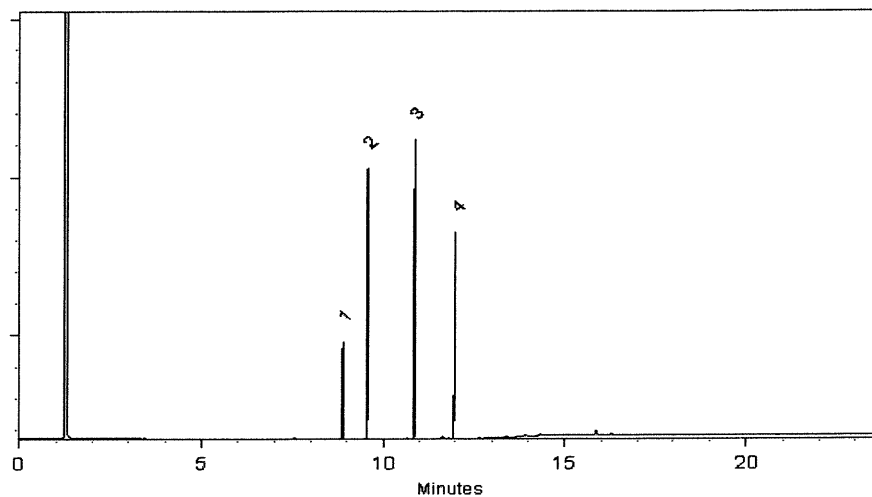
250°C

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



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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
+U
S10402

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL Gravimetric
	CAS # 100-02-7		+/- 753.2622 µg/mL Unstressed
	Purity 99%		+/- 905.6020 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No.: 555868 Lot No.: A0186373
Description: Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: June 30, 2025 Storage: 10°C or colder
Handling: Contains carcinogen/reproductive toxin. Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 16-Jun-2022 Balance: 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Certificate of Analysis



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Received on
02/08/23

b1

CG

S 11071

to

S 11075

Catalog No. : 31853 Lot No.: A0187043
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : July 31, 2027 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,4-Dioxane CAS # 123-91-1 Purity 99% (Lot SHBN5929)	2,019.0 µg/mL	+/- 11.8486 µg/mL Gravimetric +/- 43.2570 µg/mL Unstressed +/- 44.5129 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

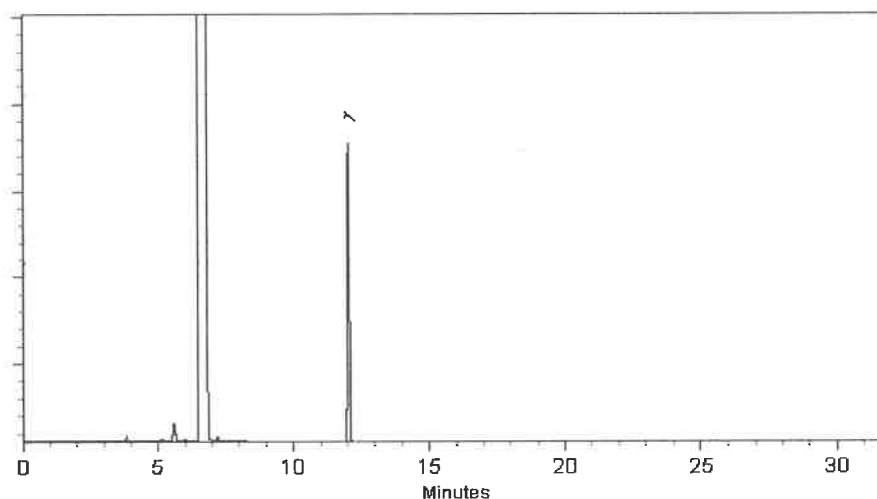
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022

Balance: 1128360905

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
12/28/22
S10951
FO
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

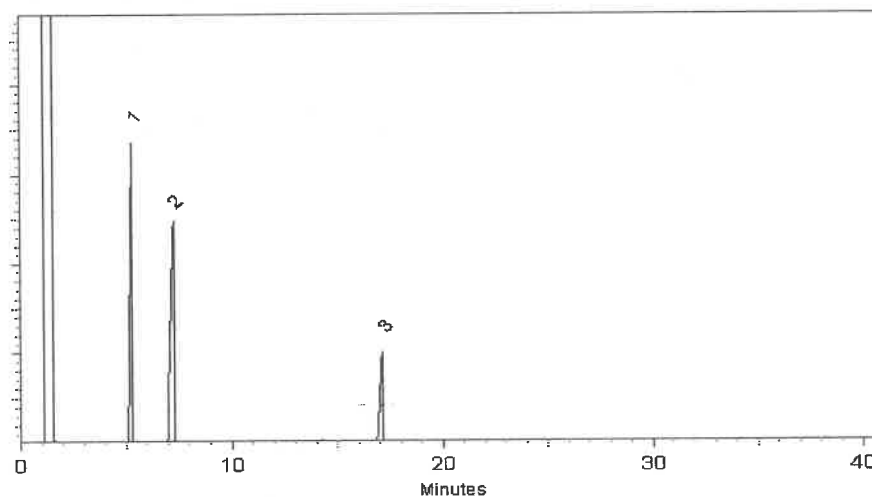
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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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
to
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:

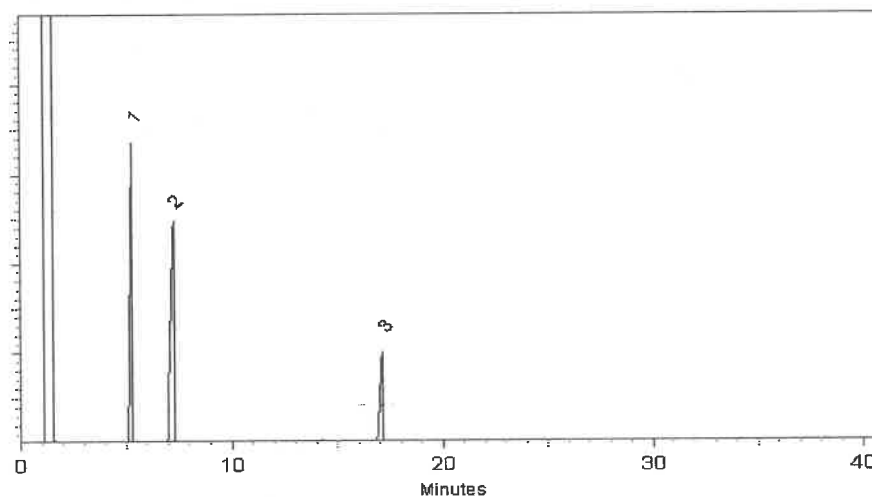
250°C

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

Received by
CG on
12/28/22
S10951
FO
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

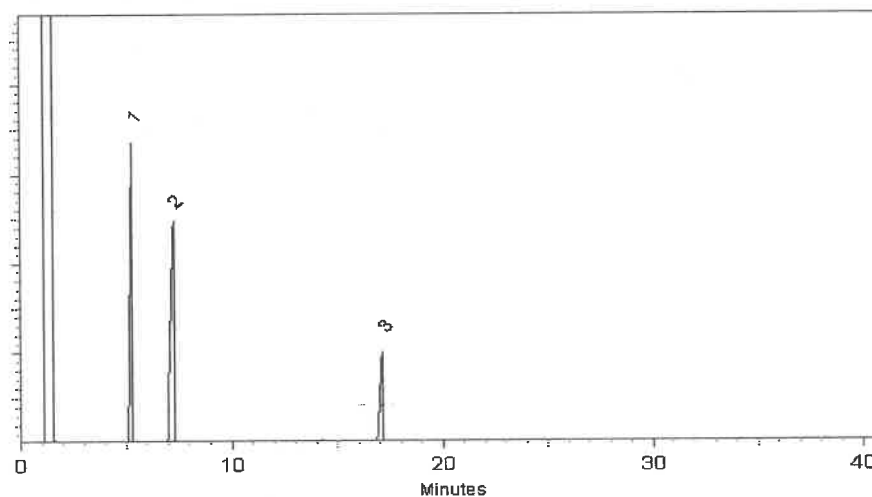
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Received by
CG on
12/28/22
\$10981
to
S11010

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:

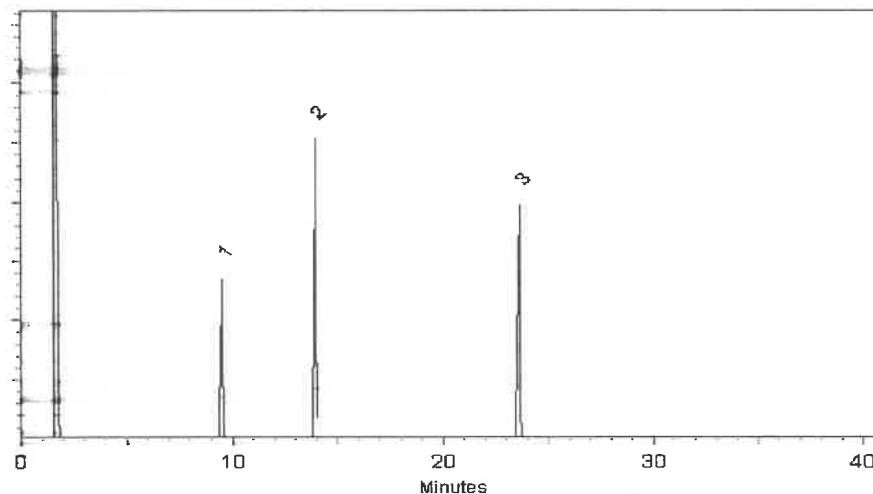
250°C

Det. Temp:

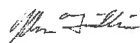
330°C

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: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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Received by
CG on
12/28/22
\$10981
to
S11010

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:

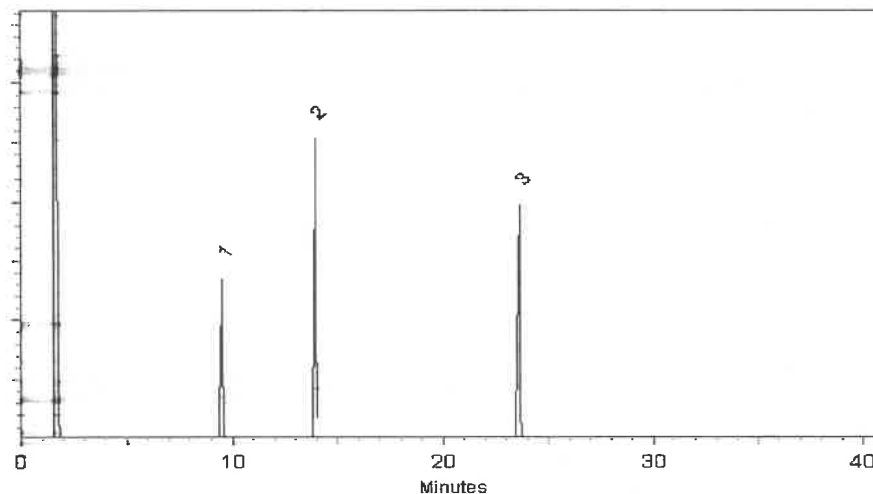
250°C

Det. Temp:

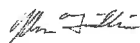
330°C

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

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.

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Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
12/28/22
\$10981
to
S11010

CERTIFIED VALUES

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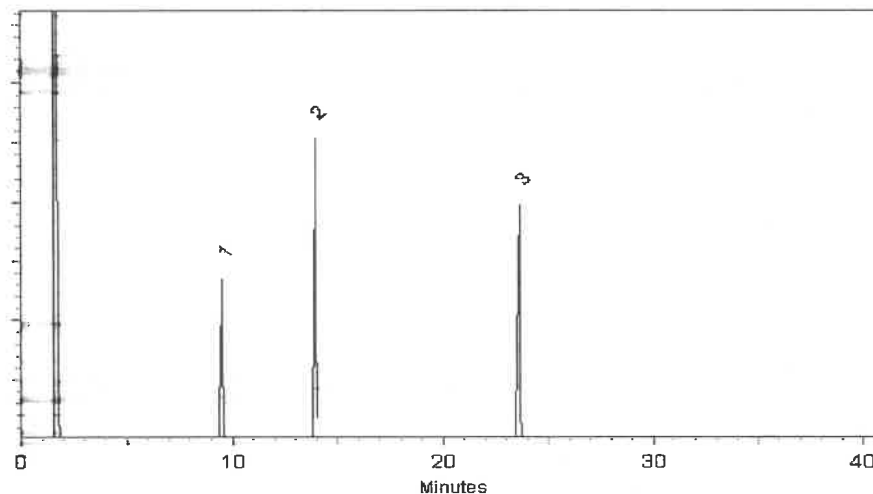
250°C

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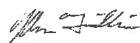
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FID



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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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Expiration Date : August 31, 2028 **Storage:** 10°C or colder
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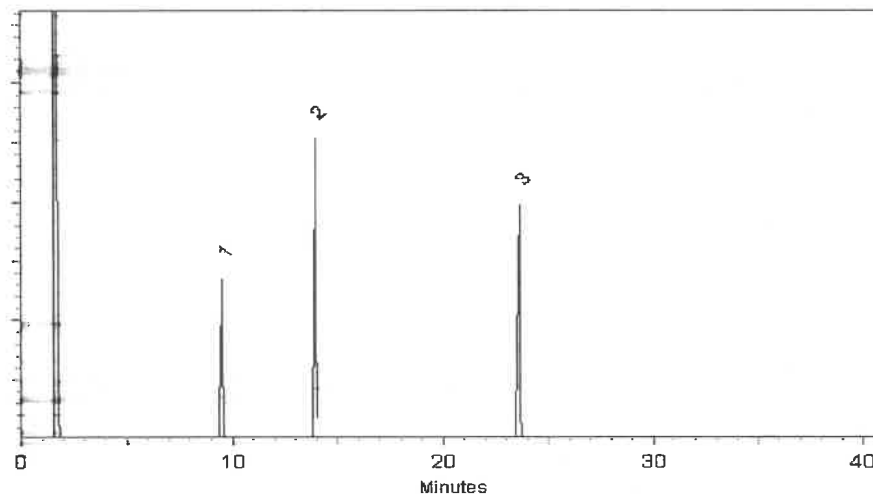
250°C

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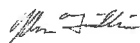
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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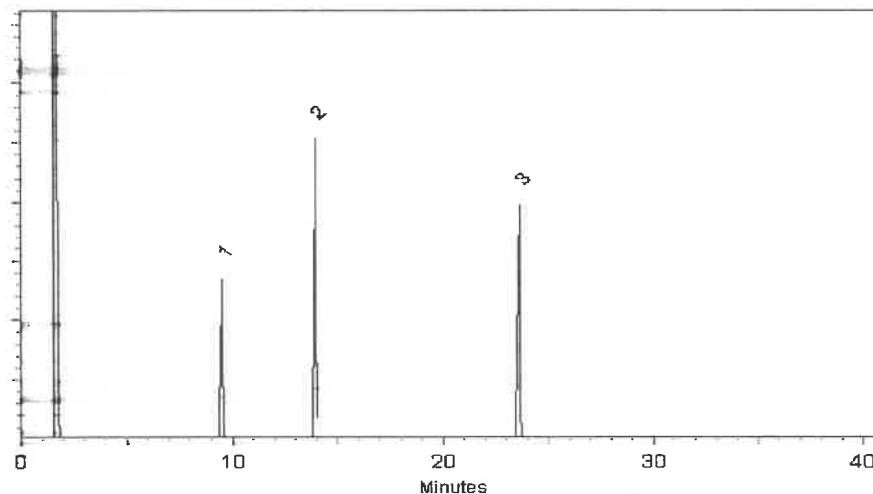
250°C

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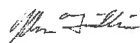
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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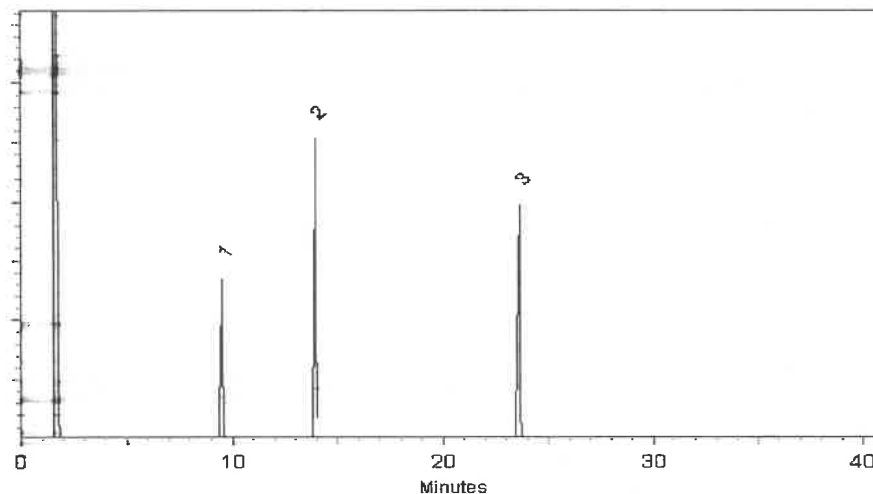
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Det. Temp:

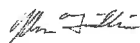
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Certificate #FM 80397



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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
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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

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S11010

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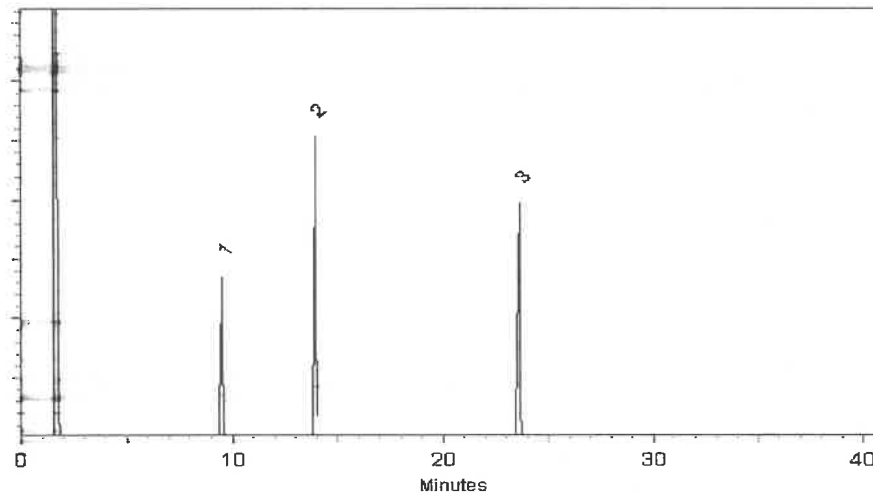
250°C

Det. Temp:

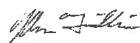
330°C

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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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Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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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

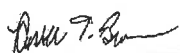
Expiration Date : February 28, 2026 **Storage:** 10°C or colder

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.

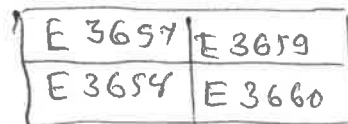
This document has been electronically produced and is valid without a signature.

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)

 **avantors**TM



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

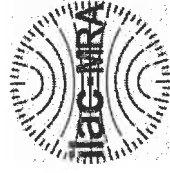

Jamie Ethier
Vice President Global Quality



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

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

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:

- 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 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.



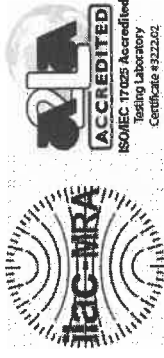
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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.: 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.



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. : 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:

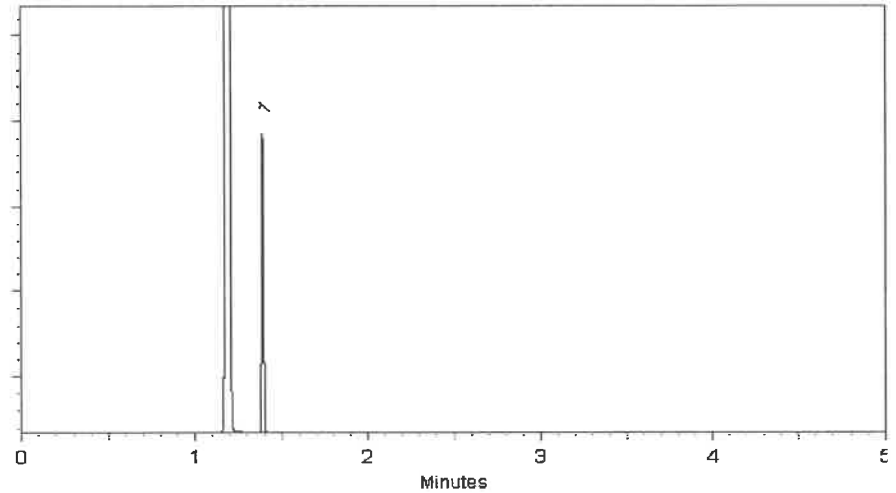
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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.

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:

- 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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Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

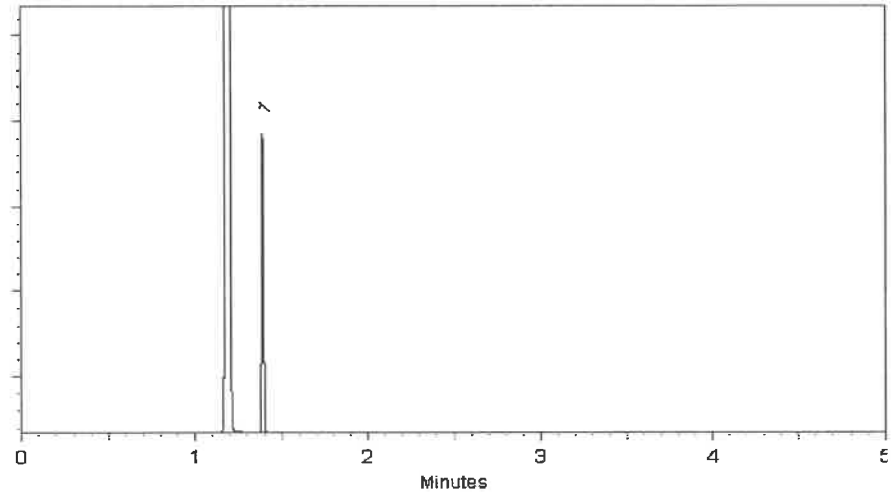
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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.

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.
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- Purity values are rounded to the nearest whole number.

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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Handling Notes:

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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. : 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:

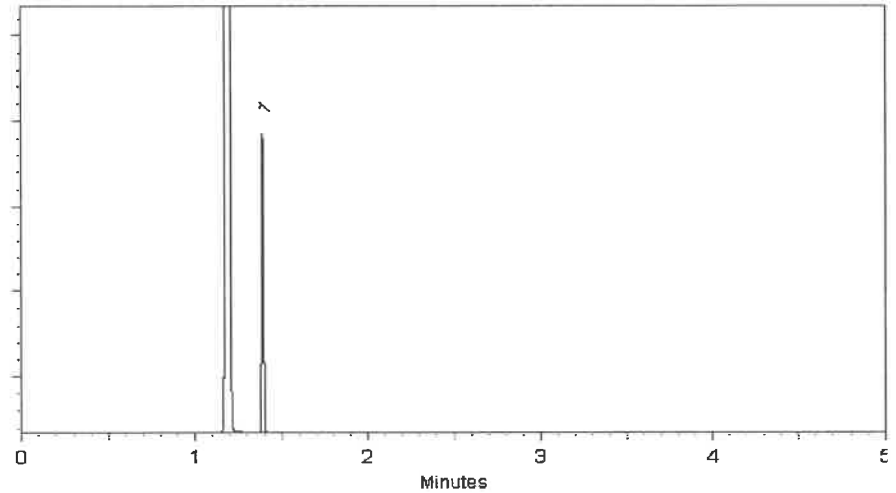
FID

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

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1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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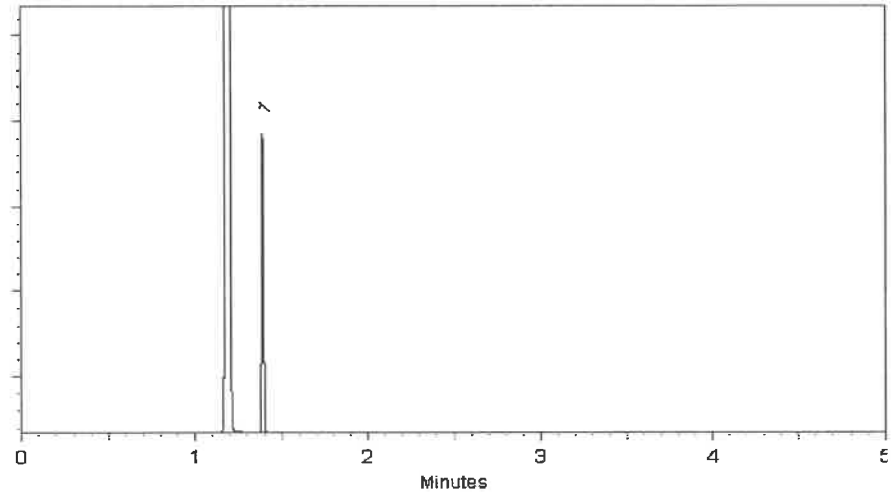
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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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Registered Quality System
Certificate #FM 80397

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1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
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S11749
↓
S11794 } RC / 11/30/23

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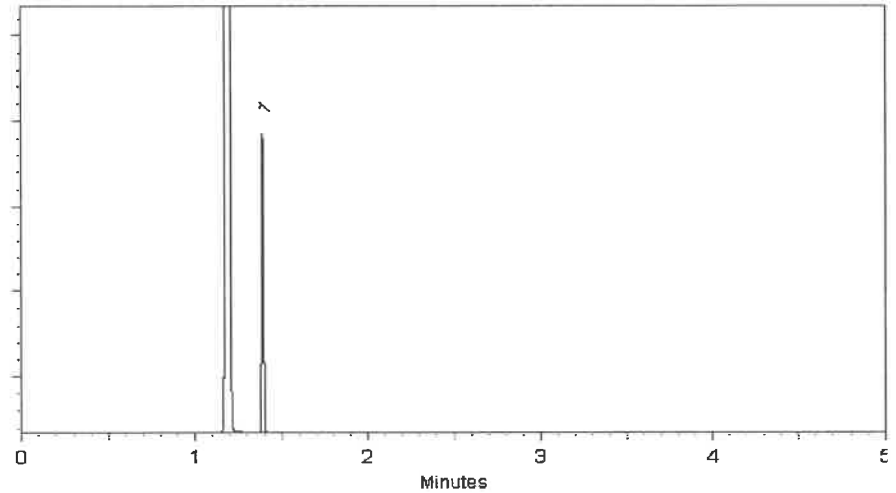
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Sam Moodler - Operations Tech I

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Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

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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

512112 } RC/
↓
912116 } 03/08/24

*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.



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chromatographic plus



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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/
↓ 03/18/24
512146 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
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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:

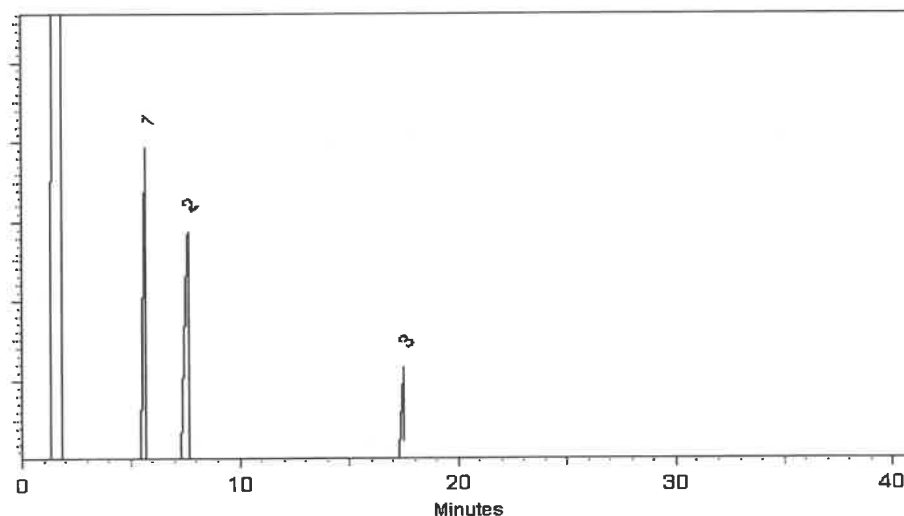
FID

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

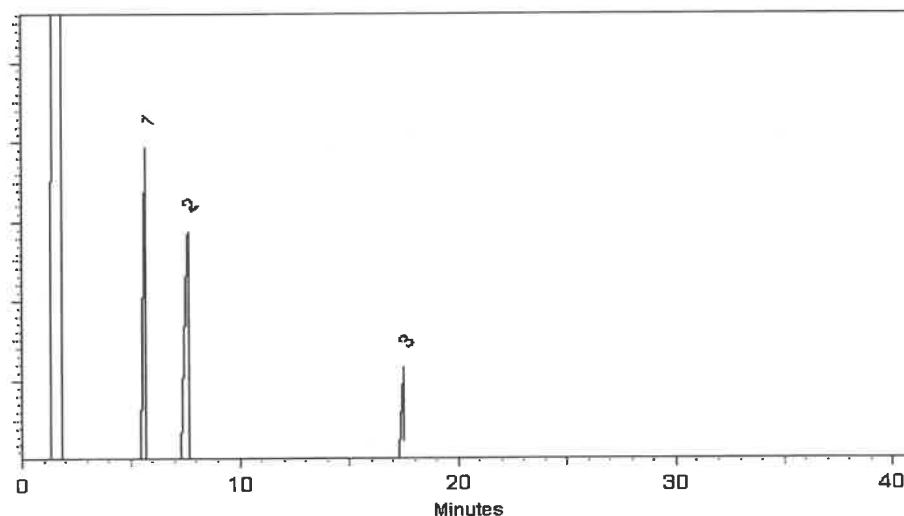
FID

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



110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

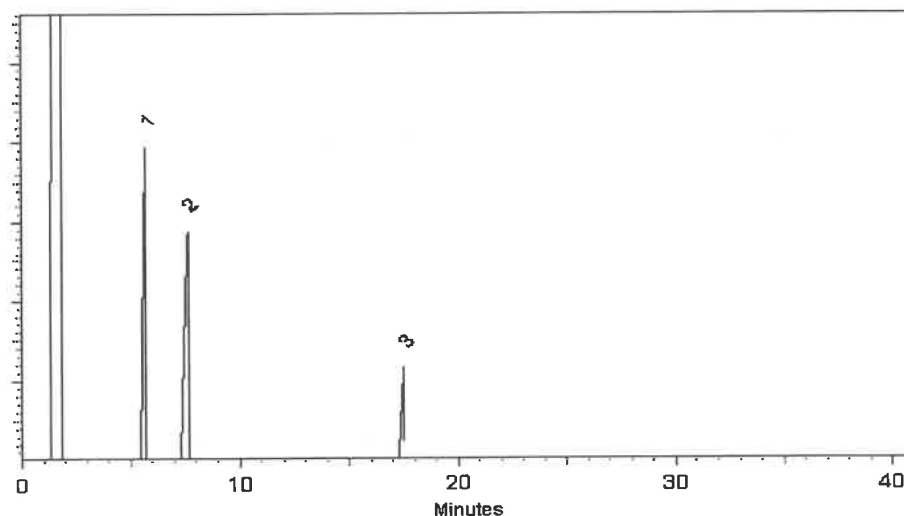
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

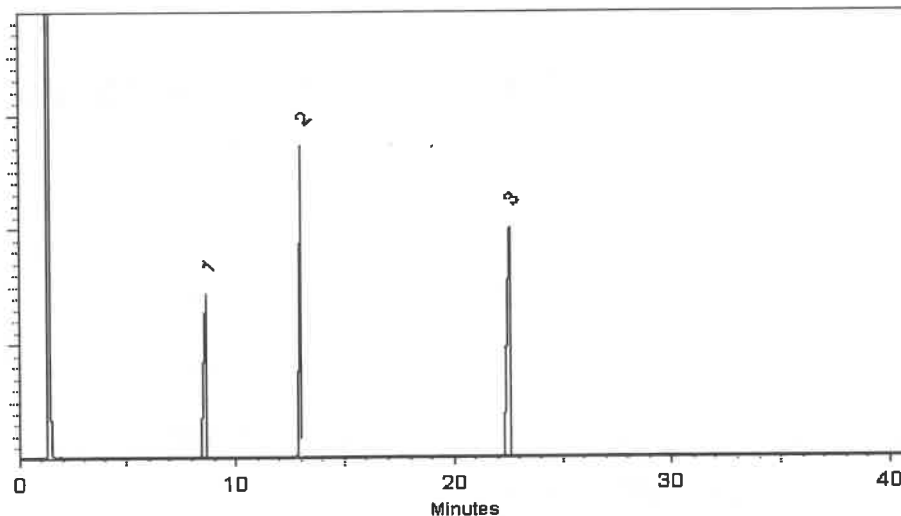
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

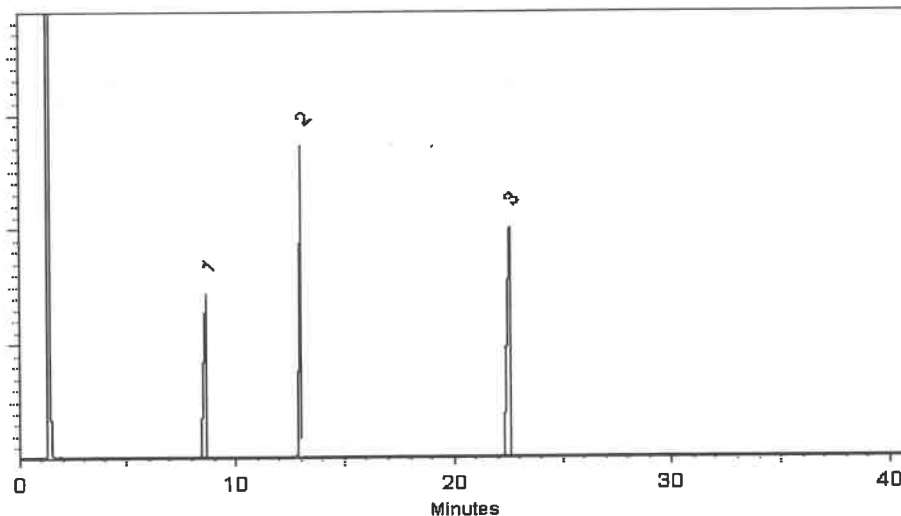
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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by TUV USA to ISO 9001:2015

Date Received: _____

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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

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Date Received: _____

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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	$\leq -10^{\circ}\text{C}$	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 $\pm$ 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12312 } RC/
↓ 05/30/24
S12331

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

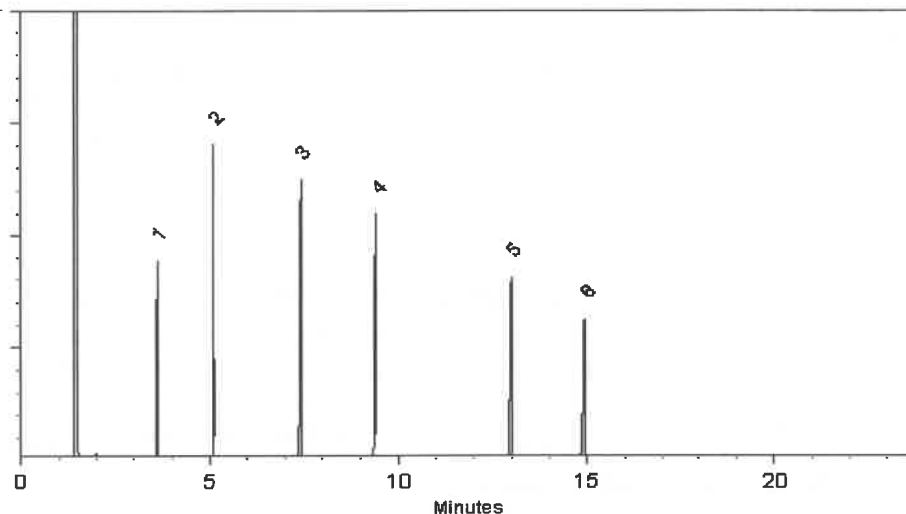
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan
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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gravimetric



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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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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. : 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.

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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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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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)
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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%

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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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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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

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.



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



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Description : Custom 8270 Plus Standard #1

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓ 7/24/24
S12508 }

Rebecca Gingerich - Operations Tech II

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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:

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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
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
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S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

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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

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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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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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)
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Solvent: Methylene chloride
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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

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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.
- 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.



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. : 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

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gravimetric



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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
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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
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General Certified Reference Material 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
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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

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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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Bellefonte, PA 16823-8812
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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



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~512280~~ } RCL
↓
~~512284~~ } 05/24/24

New Numbers Generated.

512790 } RCL
↓
512794 } 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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chromatographic plus



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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
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
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.



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.:** 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
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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
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* 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 Kumbie 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. SVOCs (1311/8220)
2. TCIP VOC (1311/8220)
3. TPH GAO (1311/8220)
4. TCIP Metals (1311/8220)
5. PCBs (8062)
6. Leachability (1030)
7. Corrosivity (9060)
8. TPH DDO (8062)
9.

PRESERVATIVES

COMMENTS

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

OF BOTTLES

1

2

3

4

5

6

7

8

9

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1. IDW-SO-COMP-022825
2. IDW-SO-DRUM-582-022825
3.
4.
5.
6.
7.
8.
9.
10.

SAMPLE MATRIX
COMP GRAB
DATE TIME
5 1230
1 1725

E E E E E E E E
1 2 3 4 5 6 7 8 9

COMMENTS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Conditions of bottles or coolers at receipt:

☐ COMPLIANT ☐ NON COMPLIANT

COOLER TEMP

2.0 °C

1. 2.25

2-25-1720

1. 2.25

Comments:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

2.

2.

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

3.

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